



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323150

**A. GENERAL INFORMATION**

GENERATOR EPA ID #/REGISTRATION # **CAP000006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME: **US Colloidal Technologies**  
 CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME: **Kemron Environmental**  
 CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

**B. WASTE DESCRIPTION**

WASTE DESCRIPTION: **sodium bisulfate**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

**C. PHYSICAL PROPERTIES (at 25C or 77F)**

<b>PHYSICAL STATE</b> <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> 1 2 3 TOP <b>0.00</b> MIDDLE <b>0.00</b> BOTTOM <b>0.00</b> % BY VOLUME (Approx.)				<b>VISCOSITY (If liquid present)</b> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>varies</b>
	<b>ODOR</b> <input checked="" type="checkbox"/> NONE MILD STRONG Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) > 200 (>93) Actual:	<b>pH</b> <= 2 <input checked="" type="checkbox"/> 2.1 - 6.9 7 (Neutral) 7.1 - 12.4 >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) <input checked="" type="checkbox"/> > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> <input checked="" type="checkbox"/> < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0 Actual:		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

**D. COMPOSITION**

(List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SODIUM BISULFATE	100.000	100.000	%				

ANY METAL OBJECTS PRESENT? YES  NO

If yes include dimension:

**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

**MSDS**

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004	ARSENIC	5.0			ALUMINUM			
D005	BARIUM	100.0			ANTIMONY			
D006	CADMIUM	1.0			BERYLLIUM			
D007	CHROMIUM	5.0			CALCIUM			
D008	LEAD	5.0			COPPER			
D009	MERCURY	0.2			MAGNESIUM			
D010	SELENIUM	1.0			MOLYBDENUM			
D011	SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>					POTASSIUM			
D018	BENZENE	0.5			SILICON			
D019	CARBON TETRACHLORIDE	0.5			SODIUM			
D021	CHLOROBENZENE	100.0			THALLIUM			
D022	CHLOROFORM	6.0			TIN			
D028	1,2-DICHLOROETHANE	0.5			VANADIUM			
D029	1,1-DICHLOROETHYLENE	0.7			ZINC			
D035	METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039	TETRACHLOROETHYLENE	0.7			BROMINE			
D040	TRICHLOROETHYLENE	0.5			CHLORINE			
D043	VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI-VOLATILE COMPOUND</b>					IODINE			
D023	o-CRESOL	200.0			SULFUR			
D024	m-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D025	p-CRESOL	200.0			AMMONIA			
D026	CRESOL (TOTAL)	200.0			REACTIVE SULFIDE			
D027	1,4-DICHLOROBENZENE	7.5			CYANIDE-TOTAL			
D030	2,4-DINITROTOLUENE	0.13			CYANIDE AMENABLE			
D032	HEXACHLOROBENZENE	0.13			CYANIDE REACTIVE			
D033	HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>			
D034	HEXACHLOROETHANE	3.0			PHENOL			
D036	NITROBENZENE	2.0			Total Petroleum Hydrocarbons			
D037	PENTACHLOROPHENOL	100.0			<b>OTHER</b>			
D038	PYRIDINE	5.0			<b>HOCs</b>			
D041	2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE			
D042	2,4,6-TRICHLOROPHENOL	2.0			< 1000 PPM			
<b>PESTICIDES AND HERBICIDES</b>					>= 1000 PPM			
D012	ENDRIN	0.02			<b>PCBs</b>			
D013	LINDANE	0.4			<input checked="" type="checkbox"/> NONE			
D014	METHOXYCHLOR	10.0			< 50 PPM			
D015	TOXAPHENE	0.5			>= 50 PPM			
D016	2,4-D	10.0			IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?			
D017	2,4,5-TP (SILVEX)	1.0			YES	<input checked="" type="checkbox"/>	NO	
D020	CHLORDANE	0.03						
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008						

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



F. REGULATORY STATUS

YES  NO USEPA HAZARDOUS WASTE?
 YES NO DO ANY STATE WASTE CODES APPLY?
Texas Waste Code 181
YES  NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: Not subject to LDR
VARIANCE INFO:
YES  NO IS THIS A UNIVERSAL WASTE?
YES  NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?
YES  NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
YES  NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
YES  NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.
YES  NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
YES  NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
YES  NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
YES  NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
YES  NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
YES  NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN3260, CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S., (SODIUM BISULFATE), 8, PG II

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY  ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

CONTAINERIZED BULK LIQUID BULK SOLID 0-0
0-0 CONTAINERS/SHIPMENT GALLONS/SHIPMENT: 0 Min -0 Max GAL. SHIPMENT UOM: TON YARD
FROM TANKS: TANK SIZE GAL. PER SHIPMENT: MIN MAX
FROM DRUMS STORAGE CAPACITY: TON MAX
CONTAINER TYPE: CUBIC YARD BOX VEHICLE TYPE: VAC TRUCK TANK TRUCK RAILROAD TANK CAR DUMP TRAILER
PALLETT ROLL OFF BOX
TOTE TANK INTERMODAL ROLLOFF BOX
OTHER: OTHER: CUSCO/FACTOR
 DRUM SIZE: 55 CHECK COMPATIBLE STORAGE MATERIALS. STEEL STAINLESS STEEL
STEEL RUBBER LINED FIBERGLASS LINED
 FIBER DERAKANE OTHER
PLASTIC OTHER
OTHER

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W319

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323155

**A. GENERAL INFORMATION**

GENERATOR EPA ID #/REGISTRATION # **CAP000006011** GENERATOR NAME: **US Colloidal Technologies**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369** CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 ADDRESS **9330 7th Street** PHONE:  
 CUSTOMER CODE (Assigned by Clean Harbors) **KE0387** CUSTOMER NAME: **Kemron Environmental**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard** CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

**B. WASTE DESCRIPTION**

WASTE DESCRIPTION: **Kasil potassium silicate**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

**C. PHYSICAL PROPERTIES (at 25C or 77F)**

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1    2    3    TOP <b>0.00</b> % BY VOLUME (Approx.)    MIDDLE <b>0.00</b> BOTTOM <b>0.00</b>				<b>VISCOSITY (If liquid present)</b> <input checked="" type="checkbox"/> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <i>varies</i>
	<b>ODOR</b> NONE <input checked="" type="checkbox"/> MILD STRONG Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93) Actual:	<b>pH</b> <= 2 2.1 - 6.9 7 (Neutral) <input checked="" type="checkbox"/> 7.1 - 12.4 >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) 1.0 (e.g. Water) <input checked="" type="checkbox"/> 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1    > 20 0.1 - 1.0    Unknown 1.1 - 5.0    Actual: 5.1 - 20.0		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

**D. COMPOSITION**

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SILICA ACID, POTASSIUM SALT AND POTASSIUM SILICATE	39.000	39.000	%	WATER	61.000	61.000	%

ANY METAL OBJECTS PRESENT?    YES     NO

If yes include dimension:

**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

MSDS	RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM	
D004		ARSENIC	5.0			ALUMINUM				
D005		BARIUM	100.0			ANTIMONY				
D006		CADMIUM	1.0			BERYLLIUM				
D007		CHROMIUM	5.0			CALCIUM				
D008		LEAD	5.0			COPPER				
D009		MERCURY	0.2			MAGNESIUM				
D010		SELENIUM	1.0			MOLYBDENUM				
D011		SILVER	5.0			NICKEL				
<b>VOLATILE COMPOUNDS</b>						POTASSIUM				
D018		BENZENE	0.5			SILICON				
D019		CARBON TETRACHLORIDE	0.5			SODIUM				
D021		CHLOROBENZENE	100.0			THALLIUM				
D022		CHLOROFORM	6.0			TIN				
D028		1,2-DICHLOROETHANE	0.5			VANADIUM				
D029		1,1-DICHLOROETHYLENE	0.7			ZINC				
D035		METHYL ETHYL KETONE	200.0			<b>NON METALS</b>				
D039		TETRACHLOROETHYLENE	0.7			BROMINE				
D040		TRICHLOROETHYLENE	0.5			CHLORINE				
D043		VINYL CHLORIDE	0.2			FLUORINE				
<b>SEMI-VOLATILE COMPOUND</b>						IODINE				
D023		o-CRESOL	200.0			SULFUR				
D024		m-CRESOL	200.0			<b>OTHER NON-METALS</b>				
D025		p-CRESOL	200.0			AMMONIA				
D026		CRESOL (TOTAL)	200.0			REACTIVE SULFIDE				
D027		1,4-DICHLOROBENZENE	7.5			CYANIDE-TOTAL				
D030		2,4-DINITROTOLUENE	0.13			CYANIDE AMENABLE				
D032		HEXACHLOROBENZENE	0.13			CYANIDE REACTIVE				
D033		HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>				
D034		HEXACHLOROETHANE	3.0			PHENOL				
D036		NITROBENZENE	2.0			Total Petroleum Hydrocarbons				
D037		PENTACHLOROPHENOL	100.0			<b>OTHER</b>				
D038		PYRIDINE	5.0			<b>HOCs</b>		<b>PCBs</b>		
D041		2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE	IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?		
D042		2,4,6-TRICHLOROPHENOL	2.0		< 1000 PPM	< 50 PPM	YES			<input type="checkbox"/> NO
					>= 1000 PPM	>=50 PPM				
<b>PESTICIDES AND HERBICIDES</b>										
D012		ENDRIN	0.02							
D013		LINDANE	0.4							
D014		METHOXYCHLOR	10.0							
D015		TOXAPHENE	0.5							
D016		2,4-D	10.0							
D017		2,4,5-TP (SILVEX)	1.0							
D020		CHLORDANE	0.03							
D031		HEPTACHLOR (AND ITS EPOXIDE)	0.008							
<b>ADDITIONAL HAZARDS</b>										
DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?										
YES <input checked="" type="checkbox"/> NO (If yes, explain)										
ASBESTOS			FUMING / SMOKING WASTE			RADIOACTIVE				
DEA REGULATED SUBSTANCE			INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT			REDUCING AGENT				
DIOXIN			OXIDIZER			SHOCK SENSITIVE				
EXPLOSIVE			OSHA REGULATED CARCINOGENS			SPONTANEOUSLY IGNITES WITH AIR				
HERBICIDE			PESTICIDE			THERMALLY SENSITIVE				
NONE OF THE ABOVE			POLYMERIZABLE			WATER REACTIVE				

**F. REGULATORY STATUS**

YES  NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?  
**141**  
 Texas Waste Code

YES  NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?  
 LDR CATEGORY: **Not subject to LDR**  
 VARIANCE INFO:

YES  NO IS THIS A UNIVERSAL WASTE?

YES  NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?

YES  NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?

YES  NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES  NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?  
 IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.

YES  NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)  
 IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO

YES  NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES  NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES  NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?

YES  NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?

YES  NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

**G. DOT/TDG INFORMATION**

DOT/TDG PROPER SHIPPING NAME:

**NONE, NON RCRA HAZARDOUS WASTE LIQUIDS, (POTASSIUM SILICATE SOLUTION)**

**H. TRANSPORTATION REQUIREMENTS**

ESTIMATED SHIPMENT FREQUENCY  ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER  
 IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

<input checked="" type="checkbox"/> CONTAINERIZED		<input type="checkbox"/> BULK LIQUID		<input type="checkbox"/> BULK SOLID	
1-5 CONTAINERS/SHIPMENT	GALLONS/SHIPMENT: <b>0 Min -0 Max</b>	GAL.	SHIPMENT UOM:	TON	YARD
STORAGE CAPACITY:	FROM TANKS: TANK SIZE	GAL.	PER SHIPMENT:	MIN	MAX
CONTAINER TYPE:	FROM DRUMS		STORAGE CAPACITY		TON/YD
CUBIC YARD BOX	VEHICLE TYPE:		VEHICLE TYPE:		
PALLET	VAC TRUCK		DUMP TRAILER		
TOTE TANK	TANK TRUCK		ROLL OFF BOX		
OTHER:	RAILROAD TANK CAR		INTERMODAL ROLLOFF BOX		
<input checked="" type="checkbox"/> DRUM SIZE: <b>55</b>	CHECK COMPATIBLE STORAGE MATERIALS.		CUSCO/VECTOR		
CONTAINER MATERIAL:	STEEL	STAINLESS STEEL	OTHER		
<input checked="" type="checkbox"/> STEEL	RUBBER LINED	FIBERGLASS LINED			
FIBER	DERAKANE				
PLASTIC	OTHER				
OTHER					

**I. SPECIAL REQUEST**

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:  
 SPECIAL WASTE HANDLING REQUIREMENTS:  
 OTHER COMMENTS OR REQUESTS:

**J. BIENNIAL / ANNUAL REPORTING INFORMATION**

SIC CODE **2899** SOURCE CODE **G09** FORM CODE **W119**

**K. SAMPLE STATUS**

	YES	SAMPLED BY	DATE SAMPLED	WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED	NO			

**GENERATOR'S CERTIFICATION**

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE	NAME (PRINT)	TITLE	DATE
_____	_____	_____	_____



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323157

**A. GENERAL INFORMATION**

GENERATOR EPA ID #/REGISTRATION # **CAP000006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME:  
 CITY **Rancho Cucamonga**

**US Colloidal Technologies**

STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME: **Kemron Environmental**  
 CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

**B. WASTE DESCRIPTION**

WASTE DESCRIPTION: **sodium hydroxide solid**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

**C. PHYSICAL PROPERTIES (at 25C or 77F)**

<b>PHYSICAL STATE</b> <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> 1 2 3 TOP <b>0.00</b> % BY VOLUME (Approx.) MIDDLE <b>0.00</b> BOTTOM <b>0.00</b>				<b>VISCOSITY (If liquid present)</b> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>varies</b>
	<b>ODOR</b> NONE <input checked="" type="checkbox"/> MILD STRONG  Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) > 200 (>93)  Actual:	<b>pH</b> <= 2 2.1 - 6.9 7 (Neutral) <input checked="" type="checkbox"/> 7.1 - 12.4 >= 12.5  Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) <input checked="" type="checkbox"/> > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0  Actual:		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2)  Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>						mm Hg	

**D. COMPOSITION**

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SODIUM HYDROXIDE FLAKES	100.000	100.000	%				

ANY METAL OBJECTS PRESENT? YES  NO

If yes include dimension:



E. CONSTITUENTS -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

MSDS	RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004		ARSENIC	5.0			ALUMINUM			
D005		BARIUM	100.0			ANTIMONY			
D006		CADMIUM	1.0			BERYLLIUM			
D007		CHROMIUM	5.0			CALCIUM			
D008		LEAD	5.0			COPPER			
D009		MERCURY	0.2			MAGNESIUM			
D010		SELENIUM	1.0			MOLYBDENUM			
D011		SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>						POTASSIUM			
D018		BENZENE	0.5			SILICON			
D019		CARBON TETRACHLORIDE	0.5			SODIUM			
D021		CHLOROBENZENE	100.0			THALLIUM			
D022		CHLOROFORM	6.0			TIN			
D028		1,2-DICHLOROETHANE	0.5			VANADIUM			
D029		1,1-DICHLOROETHYLENE	0.7			ZINC			
D035		METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039		TETRACHLOROETHYLENE	0.7			BROMINE			
D040		TRICHLOROETHYLENE	0.5			CHLORINE			
D043		VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI-VOLATILE COMPOUND</b>						IODINE			
D023		o-CRESOL	200.0			SULFUR			
D024		m-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D025		p-CRESOL	200.0			AMMONIA			
D026		CRESOL (TOTAL)	200.0			REACTIVE SULFIDE			
D027		1,4-DICHLOROBENZENE	7.5			CYANIDE-TOTAL			
D030		2,4-DINITROTOLUENE	0.13			CYANIDE AMENABLE			
D032		HEXACHLOROBENZENE	0.13			CYANIDE REACTIVE			
D033		HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>			
D034		HEXACHLOROETHANE	3.0			PHENOL			
D036		NITROBENZENE	2.0			Total Petroleum Hydrocarbons			
D037		PENTACHLOROPHENOL	100.0			<b>OTHER</b>			
D038		PYRIDINE	5.0			<b>HOCs</b>		<b>PCBs</b>	
D041		2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE	IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?	
D042		2,4,6-TRICHLOROPHENOL	2.0			< 1000 PPM	< 50 PPM		
						>= 1000 PPM	>= 50 PPM		
<b>PESTICIDES AND HERBICIDES</b>						YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
D012		ENDRIN	0.02						
D013		LINDANE	0.4						
D014		METHOXYCHLOR	10.0						
D015		TOXAPHENE	0.5						
D016		2,4-D	10.0						
D017		2,4,5-TP (SILVEX)	1.0						
D020		CHLORDANE	0.03						
D031		HEPTACHLOR (AND ITS EPOXIDE)	0.008						

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



**F. REGULATORY STATUS**

YES  NO USEPA HAZARDOUS WASTE?

YES NO DO ANY STATE WASTE CODES APPLY?  
 141  
 Texas Waste Code

YES  NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?  
 LDR CATEGORY: **Not subject to LDR**  
 VARIANCE INFO:

YES  NO IS THIS A UNIVERSAL WASTE?

YES  NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?

YES  NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?

YES  NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?

YES  NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?  
 IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.

YES  NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAPE RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)  
 IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO

YES  NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?

YES  NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?

YES  NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?

YES  NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?

YES  NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

**G. DOT/TDG INFORMATION**

DOT/TDG PROPER SHIPPING NAME:  
**UN1823, SODIUM HYDROXIDE, SOLID, 8, PG II**

**H. TRANSPORTATION REQUIREMENTS**

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY  YEARLY OTHER  
 IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

CONTAINERIZED	BULK LIQUID		BULK SOLID	
	GALLONS/SHIPMENT:	SHIPMENT UOM:	TON	YARD
0-0 CONTAINERS/SHIPMENT	0 Min -0 Max	GAL.	MIN	MAX
STORAGE CAPACITY:	FROM TANKS: TANK SIZE	GAL.	PER SHIPMENT:	TON/YD
CONTAINER TYPE:	FROM DRUMS		STORAGE CAPACITY	
CUBIC YARD BOX	VEHICLE TYPE:		VEHICLE TYPE:	
PALLET	VAC TRUCK		DUMP TRAILER	
TOTE TANK	TANK TRUCK		ROLL OFF BOX	
OTHER: df	RAILROAD TANK CAR		INTERMODAL ROLLOFF BOX	
<input checked="" type="checkbox"/> DRUM SIZE: 55	CHECK COMPATIBLE STORAGE MATERIALS.		CUSCO/VECTOR	
CONTAINER MATERIAL:	STEEL	STAINLESS STEEL	OTHER	
<input checked="" type="checkbox"/> STEEL	RUBBER LINED	FIBERGLASS LINED		
FIBER	DERAKANE			
PLASTIC	OTHER			
OTHER				

**I. SPECIAL REQUEST**

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:  
 SPECIAL WASTE HANDLING REQUIREMENTS:  
 OTHER COMMENTS OR REQUESTS:

**J. BIENNIAL / ANNUAL REPORTING INFORMATION**

SIC CODE **2899** SOURCE CODE **G11** FORM CODE **W319**

**K. SAMPLE STATUS**

YES SAMPLED BY DATE SAMPLED WHERE SENT  
 REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

**GENERATOR'S CERTIFICATION**

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323160

## A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **CAP000006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME:  
 CITY **Rancho Cucamonga**

**US Colloidal Technologies**

STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME: **Kemron Environmental**  
 CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

## B. WASTE DESCRIPTION

WASTE DESCRIPTION: **sodium hydroxide solution**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

## C. PHYSICAL PROPERTIES (at 25C or 77F)

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1    2    3    TOP <b>0.00</b> MIDDLE <b>0.00</b> BOTTOM <b>0.00</b> % BY VOLUME (Approx.)				<b>VISCOSITY (If liquid present)</b> <input checked="" type="checkbox"/> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>varies</b>
	<b>ODOR</b> <input checked="" type="checkbox"/> NONE MILD STRONG  Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93) Actual:	<b>pH</b> <= 2 2.1 - 6.9 7 (Neutral) 7.1 - 12.4 <input checked="" type="checkbox"/> >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1    > 20 0.1 - 1.0    Unknown 1.1 - 5.0    Actual: 5.1 - 20.0		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

**D. COMPOSITION** (List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SODIUM HYDROXIDE	50.000	50.000	%	WATER	50.000	50.000	%

ANY METAL OBJECTS PRESENT?    YES     NO

If yes include dimension:





F. REGULATORY STATUS

- USEPA HAZARDOUS WASTE? D002
DO ANY STATE WASTE CODES APPLY? 122
IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268? This is subject to LDR.
IS THIS A UNIVERSAL WASTE?
IS THIS A WASTEWATER PER 40 CFR PART 268.2?
IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

UN1824, WASTE SODIUM HYDROXIDE SOLUTION, 8, PG II

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY [X] ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

Form with fields for CONTAINERIZED, BULK LIQUID, BULK SOLID, STORAGE CAPACITY, CONTAINER TYPE, VEHICLE TYPE, and materials.

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W110

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323163

**A. GENERAL INFORMATION**

GENERATOR EPA ID #/REGISTRATION # **CAP000006011** GENERATOR NAME: **US Colloidal Technologies**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369** CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 ADDRESS **9330 7th Street** PHONE:  
 CUSTOMER CODE (Assigned by Clean Harbors) **KE0387** CUSTOMER NAME: **Kemron Environmental**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard** CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

**B. WASTE DESCRIPTION**

WASTE DESCRIPTION: **sodium silicate**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

**C. PHYSICAL PROPERTIES (at 25C or 77F)**

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1    2    3    TOP <b>0.00</b> % BY VOLUME (Approx.)    MIDDLE <b>0.00</b> BOTTOM <b>0.00</b>		<b>VISCOSITY (If liquid present)</b> <input checked="" type="checkbox"/> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>varies</b>
	<b>ODOR</b> <input checked="" type="checkbox"/> NONE MILD STRONG Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)	<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)	<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 -140 (38-60) 141 -200 (60-93) <input checked="" type="checkbox"/> > 200 (>93) Actual:	<b>pH</b> <= 2 2.1 - 6.9 7 (Neutral) <input checked="" type="checkbox"/> 7.1 - 12.4 >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1    > 20 0.1 - 1.0    Unknown 1.1 - 5.0    Actual: 5.1 - 20.0	<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:	
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg	

**D. COMPOSITION**

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SODIUM SILICATE	40.000	40.000	%	WATER	60.000	60.000	%

ANY METAL OBJECTS PRESENT?    YES     NO

If yes include dimension:



**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

MSDS RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004	ARSENIC	5.0			ALUMINUM			
D005	BARIUM	100.0			ANTIMONY			
D006	CADMIUM	1.0			BERYLLIUM			
D007	CHROMIUM	5.0			CALCIUM			
D008	LEAD	5.0			COPPER			
D009	MERCURY	0.2			MAGNESIUM			
D010	SELENIUM	1.0			MOLYBDENUM			
D011	SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>					POTASSIUM			
D018	BENZENE	0.5			SILICON			
D019	CARBON TETRACHLORIDE	0.5			SODIUM			
D021	CHLOROBENZENE	100.0			THALLIUM			
D022	CHLOROFORM	6.0			TIN			
D028	1,2-DICHLOROETHANE	0.5			VANADIUM			
D029	1,1-DICHLOROETHYLENE	0.7			ZINC			
D035	METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039	TETRACHLOROETHYLENE	0.7			BROMINE			
D040	TRICHLOROETHYLENE	0.5			CHLORINE			
D043	VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI-VOLATILE COMPOUND</b>					IODINE			
D023	o-CRESOL	200.0			SULFUR			
D024	m-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D025	p-CRESOL	200.0			AMMONIA			
D026	CRESOL (TOTAL)	200.0			REACTIVE SULFIDE			
D027	1,4-DICHLOROBENZENE	7.5			CYANIDE-TOTAL			
D030	2,4-DINITROTOLUENE	0.13			CYANIDE AMENABLE			
D032	HEXACHLOROBENZENE	0.13			CYANIDE REACTIVE			
D033	HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>			
D034	HEXACHLOROETHANE	3.0			PHENOL			
D036	NITROBENZENE	2.0			Total Petroleum Hydrocarbons			
D037	PENTACHLOROPHENOL	100.0			<b>OTHER</b>			
D038	PYRIDINE	5.0			<b>HOCs</b>		<b>PCBs</b>	
D041	2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE	IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?	
D042	2,4,6-TRICHLOROPHENOL	2.0			< 1000 PPM	< 50 PPM		
					>= 1000 PPM	>=50 PPM		
<b>PESTICIDES AND HERBICIDES</b>							YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	
D012	ENDRIN	0.02						
D013	LINDANE	0.4						
D014	METHOXYCHLOR	10.0						
D015	TOXAPHENE	0.5						
D016	2,4-D	10.0						
D017	2,4,5-TP (SILVEX)	1.0						
D020	CHLORDANE	0.03						
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008						

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



F. REGULATORY STATUS

YES  NO USEPA HAZARDOUS WASTE?
DO ANY STATE WASTE CODES APPLY?
Texas Waste Code 141
IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: Not subject to LDR
IS THIS A UNIVERSAL WASTE?
IS THIS A WASTEWATER PER 40 CFR PART 268.2?
IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.
IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NONE, NON RCRA HAZARDOUS WASTE LIQUIDS, (SODIUM SILICATE, WATER)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY  OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

CONTAINERIZED 1-5 CONTAINERS/SHIPMENT
BULK LIQUID 0 Min -0 Max
BULK SOLID 0-0
STORAGE CAPACITY:
CONTAINER TYPE: CUBIC YARD BOX PALLET TOTE TANK OTHER:
DRUM SIZE: 55
CONTAINER MATERIAL: STEEL FIBER PLASTIC OTHER
GALLONS/SHIPMENT: FROM TANKS: TANK SIZE FROM DRUMS
VEHICLE TYPE: VAC TRUCK TANK TRUCK RAILROAD TANK CAR
CHECK COMPATIBLE STORAGE MATERIALS. STEEL RUBBER LINED DERAKANE OTHER STAINLESS STEEL FIBERGLASS LINED
SHIPMENT UOM: TON MIN YARD MAX TON/YD
PER SHIPMENT: STORAGE CAPACITY
VEHICLE TYPE: DUMP TRAILER ROLL OFF BOX INTERMODAL ROLLOFF BOX CUSCO/VECTOR OTHER

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W119

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323166

## A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **CAP000006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME:  
 CITY **Rancho Cucamonga**

**US Colloidal Technologies**

STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME:  
 CITY **Atlanta**

**Kemron Environmental**  
 STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

## B. WASTE DESCRIPTION

WASTE DESCRIPTION: **Odorless Mineral Spirits**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**Out of Date**

## C. PHYSICAL PROPERTIES (at 25C or 77F)

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1    2    3    TOP <b>0.00</b> MIDDLE <b>0.00</b> BOTTOM <b>0.00</b> % BY VOLUME (Approx.)				<b>VISCOSITY (If liquid present)</b> <input checked="" type="checkbox"/> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>yellow</b>
	<b>ODOR</b> <input checked="" type="checkbox"/> NONE MILD STRONG  Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) <input checked="" type="checkbox"/> 101 - 140 (38-60) 141 - 200 (60-93) > 200 (>93)  Actual:	<b>pH</b> <= 2 2.1 - 6.9 7 (Neutral) <input checked="" type="checkbox"/> 7.1 - 12.4 >= 12.5  Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1    > 20 0.1 - 1.0    Unknown 1.1 - 5.0    Actual: 5.1 - 20.0		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2)  Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

## D. COMPOSITION

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
<b>NAPHTHA (PETROLEUM)</b>	<b>90.000</b>	<b>100.000</b>	<b>%</b>	<b>WATER</b>	<b>1.000</b>	<b>10.000</b>	<b>%</b>

ANY METAL OBJECTS PRESENT?    YES     NO

If yes include dimension:



**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

msds	RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
	D004	ARSENIC	5.0			ALUMINUM			
	D005	BARIUM	100.0			ANTIMONY			
	D006	CADMIUM	1.0			BERYLLIUM			
	D007	CHROMIUM	5.0			CALCIUM			
	D008	LEAD	5.0			COPPER			
	D009	MERCURY	0.2			MAGNESIUM			
	D010	SELENIUM	1.0			MOLYBDENUM			
	D011	SILVER	5.0			NICKEL			
		<b>VOLATILE COMPOUNDS</b>				POTASSIUM			
	D018	BENZENE	0.5			SILICON			
	D019	CARBON TETRACHLORIDE	0.5			SODIUM			
	D021	CHLOROBENZENE	100.0			THALLIUM			
	D022	CHLOROFORM	6.0			TIN			
	D028	1,2-DICHLOROETHANE	0.5			VANADIUM			
	D029	1,1-DICHLOROETHYLENE	0.7			ZINC			
	D035	METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
	D039	TETRACHLOROETHYLENE	0.7			BROMINE			
	D040	TRICHLOROETHYLENE	0.5			CHLORINE			
	D043	VINYL CHLORIDE	0.2			FLUORINE			
		<b>SEMI-VOLATILE COMPOUND</b>				IODINE			
	D023	o-CRESOL	200.0			SULFUR			
	D024	m-CRESOL	200.0			<b>OTHER NON-METALS</b>			
	D025	p-CRESOL	200.0			AMMONIA			
	D026	CRESOL (TOTAL)	200.0			REACTIVE SULFIDE			
	D027	1,4-DICHLOROBENZENE	7.5			CYANIDE-TOTAL			
	D030	2,4-DINITROTOLUENE	0.13			CYANIDE AMENABLE			
	D032	HEXACHLOROBENZENE	0.13			CYANIDE REACTIVE			
	D033	HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>			
	D034	HEXACHLOROETHANE	3.0			PHENOL			
	D036	NITROBENZENE	2.0			Total Petroleum Hydrocarbons			
	D037	PENTACHLOROPHENOL	100.0			<b>OTHER</b>			
	D038	PYRIDINE	5.0			<b>HOCs</b>			
	D041	2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE			
	D042	2,4,6-TRICHLOROPHENOL	2.0			< 1000 PPM			
		<b>PESTICIDES AND HERBICIDES</b>				>= 1000 PPM			
	D012	ENDRIN	0.02			<b>PCBs</b>			
	D013	LINDANE	0.4			<input checked="" type="checkbox"/> NONE			
	D014	METHOXYCHLOR	10.0			< 50 PPM			
	D015	TOXAPHENE	0.5			>=50 PPM			
	D016	2,4-D	10.0			IF PCBS ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?			
	D017	2,4,5-TP (SILVEX)	1.0			YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
	D020	CHLORDANE	0.03						
	D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008						

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



F. REGULATORY STATUS

- YES [X] NO USEPA HAZARDOUS WASTE?
YES [X] NO DO ANY STATE WASTE CODES APPLY?
Texas Waste Code
YES [X] NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: Not subject to LDR
VARIANCE INFO:
YES [X] NO IS THIS A UNIVERSAL WASTE?
YES [X] NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?
YES [X] NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
YES [X] NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
YES [X] NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.
YES [X] NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
YES [X] NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
YES [X] NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
YES [X] NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
YES [X] NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
YES [X] NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NA1993, COMBUSTIBLE LIQUID, N.O.S., (NAPHTHA PETROLEUM), COMBUSTIBLE LIQUID, PG III

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY [X] ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

Form with columns for CONTAINERIZED, BULK LIQUID, and BULK SOLID. Includes fields for GALLONS/SHIPMENT, SHIPMENT UOM, STORAGE CAPACITY, VEHICLE TYPE, and CONTAINER MATERIAL.

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W219

K. SAMPLE STATUS

REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED YES [X] NO SAMPLED BY DATE SAMPLED WHERE SENT

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323168

## A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **CAP000006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME: **US Colloidal Technologies**  
 CITY **Rancho Cucamonga**

STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME: **Kemron Environmental**  
 CITY **Atlanta**

STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

## B. WASTE DESCRIPTION

WASTE DESCRIPTION: **sodium metasilicate, Meso pentabead**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

## C. PHYSICAL PROPERTIES (at 25C or 77F)

<b>PHYSICAL STATE</b> <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> 1 2 3 TOP <b>0.00</b> MIDDLE <b>0.00</b> BOTTOM <b>0.00</b> % BY VOLUME (Approx.)				<b>VISCOSITY (If liquid present)</b> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>varies</b>
	<b>ODOR</b> <input checked="" type="checkbox"/> NONE MILD STRONG Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 -140 (38-60) 141 -200 (60-93) > 200 (>93) Actual:	<b>pH</b> <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0 > 20 <input checked="" type="checkbox"/> Unknown Actual:		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

## D. COMPOSITION

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SODIUM METASILICATE POWDER	100.000	100.000	%				

ANY METAL OBJECTS PRESENT? YES  NO

If yes include dimension:

E. CONSTITUENTS -- Are these values based on testing or knowledge?  Knowledge Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

generator

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004	ARSENIC	5.0			ALUMINUM			
D005	BARIUM	100.0			ANTIMONY			
D006	CADMIUM	1.0			BERYLLIUM			
D007	CHROMIUM	5.0			CALCIUM			
D008	LEAD	5.0			COPPER			
D009	MERCURY	0.2			MAGNESIUM			
D010	SELENIUM	1.0			MOLYBDENUM			
D011	SILVER	5.0			NICKEL			
					POTASSIUM			
					SILICON			
					SODIUM			
					THALLIUM			
					TIN			
					VANADIUM			
					ZINC			
					<b>NON METALS</b>			
					BROMINE			
					CHLORINE			
					FLUORINE			
					IODINE			
					SULFUR			
					<b>OTHER NON-METALS</b>			
					AMMONIA			
					REACTIVE SULFIDE			
					CYANIDE-TOTAL			
					CYANIDE AMENABLE			
					CYANIDE REACTIVE			
					<b>OTHER CHEMICALS</b>			
					PHENOL			
					Total Petroleum Hydrocarbons			
					<b>OTHER</b>			
					<b>HOCS</b>			
					<input checked="" type="checkbox"/> NONE			
					< 1000 PPM			
					>= 1000 PPM			
					<b>PCBs</b>			
					<input checked="" type="checkbox"/> NONE			
					< 50 PPM			
					>=50 PPM			
					IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?			
					YES	<input checked="" type="checkbox"/>	NO	

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



F. REGULATORY STATUS

YES  NO USEPA HAZARDOUS WASTE?
 YES NO DO ANY STATE WASTE CODES APPLY?
141
Texas Waste Code
YES  NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: Not subject to LDR
VARIANCE INFO:
YES  NO IS THIS A UNIVERSAL WASTE?
YES  NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?
YES  NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
YES  NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
YES  NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.
YES  NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
YES  NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
YES  NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
YES  NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
YES  NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
YES  NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:
NONE, NON RCRA HAZARDOUS WASTE SOLIDS, (SODIUM METASILICATE)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY  ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:
 CONTAINERIZED BULK LIQUID BULK SOLID 0-0
1-3 CONTAINERS/SHIPMENT GALLONS/SHIPMENT: 0 Min -0 Max GAL. SHIPMENT UOM: TON YARD
FROM TANKS: TANK SIZE GAL. PER SHIPMENT: MIN MAX
FROM DRUMS STORAGE CAPACITY TON MAX TON/YD
CONTAINER TYPE: VEHICLE TYPE: VEHICLE TYPE:
CUBIC YARD BOX VAC TRUCK DUMP TRAILER
PALLET TANK TRUCK ROLL OFF BOX
TOTE TANK RAILROAD TANK CAR INTERMODAL ROLLOFF BOX
OTHER: OTHER CUSCO/VECTOR
 DRUM SIZE: 55 CHECK COMPATIBLE STORAGE MATERIALS. OTHER
CONTAINER MATERIAL: STEEL STAINLESS STEEL
STEEL RUBBER LINED FIBERGLASS LINED
FIBER DERAKANE
PLASTIC OTHER
OTHER

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W319

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN NO
SUPPLIED

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004	ARSENIC	5.0			ALUMINUM			
D005	BARIUM	100.0			ANTIMONY			
D006	CADMIUM	1.0			BERYLLIUM			
D007	CHROMIUM	5.0			CALCIUM			
D008	LEAD	5.0			COPPER			
D009	MERCURY	0.2			MAGNESIUM			
D010	SELENIUM	1.0			MOLYBDENUM			
D011	SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>					POTASSIUM			
D018	BENZENE	0.5			SILICON			
D019	CARBON TETRACHLORIDE	0.5			SODIUM			
D021	CHLOROBENZENE	100.0			THALLIUM			
D022	CHLOROFORM	6.0			TIN			
D028	1,2-DICHLOROETHANE	0.5			VANADIUM			
D029	1,1-DICHLOROETHYLENE	0.7			ZINC			
D035	METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039	TETRACHLOROETHYLENE	0.7			BROMINE			
D040	TRICHLOROETHYLENE	0.5			CHLORINE			
D043	VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI-VOLATILE COMPOUND</b>					IODINE			
D023	o-CRESOL	200.0			SULFUR			
D024	m-CRESOL	200.0						
D025	p-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D026	CRESOL (TOTAL)	200.0			AMMONIA			
D027	1,4-DICHLOROBENZENE	7.5			REACTIVE SULFIDE			
D030	2,4-DINITROTOLUENE	0.13			CYANIDE-TOTAL			
D032	HEXACHLOROBENZENE	0.13			CYANIDE AMENABLE			
D033	HEXACHLOROBUTADIENE	0.5			CYANIDE REACTIVE			
D034	HEXACHLOROETHANE	3.0			<b>OTHER CHEMICALS</b>			
D036	NITROBENZENE	2.0			PHENOL			
D037	PENTACHLOROPHENOL	100.0			Total Petroleum Hydrocarbons			
D038	PYRIDINE	5.0						
D041	2,4,5-TRICHLOROPHENOL	400.0			<b>OTHER</b>			
D042	2,4,6-TRICHLOROPHENOL	2.0			<b>HOCs</b>			
<b>PESTICIDES AND HERBICIDES</b>					<b>PCBs</b>			
D012	ENDRIN	0.02			NONE			
D013	LINDANE	0.4			< 1000 PPM			
D014	METHOXYCHLOR	10.0			>= 1000 PPM			
D015	TOXAPHENE	0.5						
D016	2,4-D	10.0						
D017	2,4,5-TP (SILVEX)	1.0						
D020	CHLORDANE	0.03						
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008						
<b>ADDITIONAL HAZARDS</b>								

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



F. REGULATORY STATUS

- YES [checked] NO USEPA HAZARDOUS WASTE?
YES [checked] NO DO ANY STATE WASTE CODES APPLY?
Texas Waste Code
YES NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY:
VARIANCE INFO:
YES NO IS THIS A UNIVERSAL WASTE?
YES NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?
YES NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
YES NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
YES NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.
YES NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
YES NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
YES NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
YES NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
YES NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
YES NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

Table with columns for CONTAINERIZED (0-0), BULK LIQUID (0 Min -0 Max), and BULK SOLID (0-0). Rows include STORAGE CAPACITY, CONTAINER TYPE, DRUM SIZE, CONTAINER MATERIAL, GALLONS/SHIPMENT, VEHICLE TYPE, and SHIPMENT UOM.

I. SPECIAL REQUEST

- SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE FORM CODE

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE





# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323210

## A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **CAP000006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME: **US Colloidal Technologies**  
 CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME: **Kemron Environmental**  
 CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

## B. WASTE DESCRIPTION

WASTE DESCRIPTION: **sulfur**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

## C. PHYSICAL PROPERTIES (at 25C or 77F)

<b>PHYSICAL STATE</b> <input checked="" type="checkbox"/> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> 1 2 3 TOP <b>0.00</b> % BY VOLUME (Approx.) MIDDLE <b>0.00</b> BOTTOM <b>0.00</b>				<b>VISCOSITY (If liquid present)</b> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>varies</b>
	<b>ODOR</b> <input checked="" type="checkbox"/> NONE MILD STRONG  Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) <input checked="" type="checkbox"/> > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 -140 (38-60) 141 -200 (60-93) > 200 (>93)  Actual:	<b>pH</b> <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5  Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) <input checked="" type="checkbox"/> > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1 0.1 - 1.0 1.1 - 5.0 5.1 - 20.0  Actual:		<b>BTU/LB (MJ/kg)</b> <input checked="" type="checkbox"/> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2)  Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

## D. COMPOSITION

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
SULFUR	100.000	100.000	%				

ANY METAL OBJECTS PRESENT? YES  NO

If yes include dimension:

E. CONSTITUENTS -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

**generators**

RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004	ARSENIC	5.0			ALUMINUM			
D005	BARIIUM	100.0			ANTIMONY			
D006	CADMIUM	1.0			BERYLLIUM			
D007	CHROMIUM	5.0			CALCIUM			
D008	LEAD	5.0			COPPER			
D009	MERCURY	0.2			MAGNESIUM			
D010	SELENIUM	1.0			MOLYBDENUM			
D011	SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>					POTASSIUM			
D018	BENZENE	0.5			SILICON			
D019	CARBON TETRACHLORIDE	0.5			SODIUM			
D021	CHLOROBENZENE	100.0			THALLIUM			
D022	CHLOROFORM	6.0			TIN			
D028	1,2-DICHLOROETHANE	0.5			VANADIUM			
D029	1,1-DICHLOROETHYLENE	0.7			ZINC			
D035	METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039	TETRACHLOROETHYLENE	0.7			BROMINE			
D040	TRICHLOROETHYLENE	0.5			CHLORINE			
D043	VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI-VOLATILE COMPOUND</b>					IODINE			
D023	o-CRESOL	200.0			SULFUR			
D024	m-CRESOL	200.0						
D025	p-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D026	CRESOL (TOTAL)	200.0			AMMONIA			
D027	1,4-DICHLOROBENZENE	7.5			REACTIVE SULFIDE			
D030	2,4-DINITROTOLUENE	0.13			CYANIDE-TOTAL			
D032	HEXACHLOROBENZENE	0.13			CYANIDE AMENABLE			
D033	HEXACHLOROBUTADIENE	0.5			CYANIDE REACTIVE			
D034	HEXACHLOROETHANE	3.0			<b>OTHER CHEMICALS</b>			
D036	NITROBENZENE	2.0			PHENOL			
D037	PENTACHLOROPHENOL	100.0			Total Petroleum Hydrocarbons			
D038	PYRIDINE	5.0						
D041	2,4,5-TRICHLOROPHENOL	400.0			<b>OTHER</b>			
D042	2,4,6-TRICHLOROPHENOL	2.0			<b>HOCS</b>			
<b>PESTICIDES AND HERBICIDES</b>					<input checked="" type="checkbox"/> NONE			
D012	ENDRIN	0.02			< 1000 PPM			
D013	LINDANE	0.4			>= 1000 PPM			
D014	METHOXYCHLOR	10.0			<b>PCBs</b>			
D015	TOXAPHENE	0.5			<input checked="" type="checkbox"/> NONE			
D016	2,4-D	10.0			< 50 PPM			
D017	2,4,5-TP (SILVEX)	1.0			>=50 PPM			
D020	CHLORDANE	0.03			IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?			
D031	HEPTACHLOR (AND ITS EPOXIDE)	0.008			YES	<input checked="" type="checkbox"/>	NO	

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |





# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323212

**A. GENERAL INFORMATION**

GENERATOR EPA ID #/REGISTRATION # **CAP000006011** GENERATOR NAME: **US Colloidal Technologies**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369** CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 ADDRESS **9330 7th Street** PHONE:  
 CUSTOMER CODE (Assigned by Clean Harbors) **KE0387** CUSTOMER NAME: **Kemron Environmental**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard** CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

**B. WASTE DESCRIPTION**

WASTE DESCRIPTION: **diethanolamine**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**expired**

**C. PHYSICAL PROPERTIES (at 25C or 77F)**

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1    2    3    TOP <b>0.00</b> % BY VOLUME (Approx.)    MIDDLE <b>0.00</b> BOTTOM <b>0.00</b>				<b>VISCOSITY (If liquid present)</b> 1 - 100 (e.g. WATER) <input checked="" type="checkbox"/> 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <i>varies</i>
	<b>ODOR</b> NONE <input checked="" type="checkbox"/> MILD STRONG  Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <input checked="" type="checkbox"/> <= 1% 1-9% >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93) Actual:	<b>pH</b> <= 2 2.1 - 6.9 7 (Neutral) 7.1 - 12.4 <input checked="" type="checkbox"/> >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1    > 20 0.1 - 1.0    Unknown 1.1 - 5.0    Actual: 5.1 - 20.0		<b>BTU/LB (MJ/kg)</b> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) > 10,000 (>23.2) Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

**D. COMPOSITION**

(List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
DIETHANOLAMINE	100.000	100.000	%				

ANY METAL OBJECTS PRESENT?    YES     NO

If yes include dimension:

**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

MSDS	RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004		ARSENIC	5.0			ALUMINUM			
D005		BARIIUM	100.0			ANTIMONY			
D006		CADIUM	1.0			BERYLLIUM			
D007		CHROMIUM	5.0			CALCIUM			
D008		LEAD	5.0			COPPER			
D009		MERCURY	0.2			MAGNESIUM			
D010		SELENIUM	1.0			MOLYBDENUM			
D011		SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>						POTASSIUM			
D018		BENZENE	0.5			SILICON			
D019		CARBON TETRACHLORIDE	0.5			SODIUM			
D021		CHLOROBENZENE	100.0			THALLIUM			
D022		CHLOROFORM	6.0			TIN			
D028		1,2-DICHLOROETHANE	0.5			VANADIUM			
D029		1,1-DICHLOROETHYLENE	0.7			ZINC			
D035		METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039		TETRACHLOROETHYLENE	0.7			BROMINE			
D040		TRICHLOROETHYLENE	0.5			CHLORINE			
D043		VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI-VOLATILE COMPOUND</b>						IODINE			
D023		o-CRESOL	200.0			SULFUR			
D024		m-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D025		p-CRESOL	200.0			AMMONIA			
D026		CRESOL (TOTAL)	200.0			REACTIVE SULFIDE			
D027		1,4-DICHLOROBENZENE	7.5			CYANIDE-TOTAL			
D030		2,4-DINITROTOLUENE	0.13			CYANIDE AMENABLE			
D032		HEXACHLOROBENZENE	0.13			CYANIDE REACTIVE			
D033		HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>			
D034		HEXACHLOROETHANE	3.0			PHENOL			
D036		NITROBENZENE	2.0			Total Petroleum Hydrocarbons			
D037		PENTACHLOROPHENOL	100.0			<b>OTHER</b>			
D038		PYRIDINE	5.0			<b>HOCs</b>		<b>PCBs</b>	
D041		2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE		
D042		2,4,6-TRICHLOROPHENOL	2.0			< 1000 PPM	< 50 PPM		
<b>PESTICIDES AND HERBICIDES</b>						>= 1000 PPM	>=50 PPM		
D012		ENDRIN	0.02			IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?			
D013		LINDANE	0.4			YES	<input checked="" type="checkbox"/>	NO	
D014		METHOXYCHLOR	10.0						
D015		TOXAPHENE	0.5						
D016		2,4-D	10.0						
D017		2,4,5-TP (SILVEX)	1.0						
D020		CHLORDANE	0.03						
D031		HEPTACHLOR (AND ITS EPOXIDE)	0.008						

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |



F. REGULATORY STATUS

- USEPA HAZARDOUS WASTE? D002
DO ANY STATE WASTE CODES APPLY? 331
IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268? Not subject to LDR
IS THIS A UNIVERSAL WASTE?
IS THIS A WASTEWATER PER 40 CFR PART 268.2?
IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/DTG INFORMATION

DOT/DTG PROPER SHIPPING NAME:

UN2491, WASTE ETHANOLAMINE, 8, PG III

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY [X] ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

Form with columns for CONTAINERIZED, BULK LIQUID, and BULK SOLID. Includes fields for storage capacity, container type, vehicle type, and materials.

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W219

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323213

**A. GENERAL INFORMATION**

GENERATOR EPA ID #/REGISTRATION # **CAP000006011** GENERATOR NAME: **US Colloidal Technologies**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369** CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 ADDRESS **9330 7th Street** PHONE:  
 CUSTOMER CODE (Assigned by Clean Harbors) **KE0387** CUSTOMER NAME: **Kemron Environmental**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard** CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

**B. WASTE DESCRIPTION**

WASTE DESCRIPTION: **Oil, mineral**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**Expired shelf life**

**C. PHYSICAL PROPERTIES (at 25C or 77F)**

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID <input checked="" type="checkbox"/> LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> <input checked="" type="checkbox"/> 1    2    3    TOP <b>0.00</b> MIDDLE <b>0.00</b> BOTTOM <b>0.00</b> % BY VOLUME (Approx.)				<b>VISCOSITY (If liquid present)</b> <input checked="" type="checkbox"/> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>Dark</b>
	<b>ODOR</b> NONE <input checked="" type="checkbox"/> MILD STRONG Describe:	<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) <input checked="" type="checkbox"/> >= 130 (>54)		<b>MELTING POINT °F (°C)</b> < 140 (<60) 140-200 (60-93) > 200 (>93)		<b>TOTAL ORGANIC CARBON</b> <= 1% 1-9% <input checked="" type="checkbox"/> >= 10%	
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 - 140 (38-60) 141 - 200 (60-93) <input checked="" type="checkbox"/> > 200 (>93) Actual:	<b>pH</b> <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5 Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1    > 20 0.1 - 1.0    Unknown 1.1 - 5.0    Actual: 5.1 - 20.0		<b>BTU/LB (MJ/kg)</b> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) <input checked="" type="checkbox"/> > 10,000 (>23.2) Actual:		
<b>VAPOR PRESSURE (for liquids only)</b> 0    mm Hg							

**D. COMPOSITION**

(List the complete composition of the waste, include any inert components and /or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
MINERAL OIL	99.000	100.000	%				

ANY METAL OBJECTS PRESENT?    YES        NO

If yes include dimension:

**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
 If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

MSDS		RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM	
D004	ARSENIC			5.0			ALUMINUM				
D005	BARIUM			100.0			ANTIMONY				
D006	CADMIUM			1.0			BERYLLIUM				
D007	CHROMIUM			5.0			CALCIUM				
D008	LEAD			5.0			COPPER				
D009	MERCURY			0.2			MAGNESIUM				
D010	SELENIUM			1.0			MOLYBDENUM				
D011	SILVER			5.0			NICKEL				
<b>VOLATILE COMPOUNDS</b>							POTASSIUM				
D018	BENZENE			0.5			SILICON				
D019	CARBON TETRACHLORIDE			0.5			SODIUM				
D021	CHLOROBENZENE			100.0			THALLIUM				
D022	CHLOROFORM			6.0			TIN				
D028	1,2-DICHLOROETHANE			0.5			VANADIUM				
D029	1,1-DICHLOROETHYLENE			0.7			ZINC				
D035	METHYL ETHYL KETONE			200.0			<b>NON METALS</b>				
D039	TETRACHLOROETHYLENE			0.7			BROMINE				
D040	TRICHLOROETHYLENE			0.5			CHLORINE				
D043	VINYL CHLORIDE			0.2			FLUORINE				
<b>SEMI-VOLATILE COMPOUND</b>							IODINE				
D023	o-CRESOL			200.0			SULFUR				
D024	m-CRESOL			200.0			<b>OTHER NON-METALS</b>				
D025	p-CRESOL			200.0			AMMONIA				
D026	CRESOL (TOTAL)			200.0			REACTIVE SULFIDE				
D027	1,4-DICHLOROBENZENE			7.5			CYANIDE-TOTAL				
D030	2,4-DINITROTOLUENE			0.13			CYANIDE AMENABLE				
D032	HEXACHLOROBENZENE			0.13			CYANIDE REACTIVE				
D033	HEXACHLOROBUTADIENE			0.5			<b>OTHER CHEMICALS</b>				
D034	HEXACHLOROETHANE			3.0			PHENOL				
D036	NITROBENZENE			2.0			Total Petroleum Hydrocarbons				
D037	PENTACHLOROPHENOL			100.0			<b>OTHER</b>				
D038	PYRIDINE			5.0			<b>HOCs</b>		<b>PCBs</b>		
D041	2,4,5-TRICHLOROPHENOL			400.0			<input checked="" type="checkbox"/> NONE	<input checked="" type="checkbox"/> NONE	IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?		
D042	2,4,6-TRICHLOROPHENOL			2.0		< 1000 PPM	< 50 PPM				
						>= 1000 PPM	>=50 PPM				
<b>PESTICIDES AND HERBICIDES</b>							YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>	
D012	ENDRIN			0.02							
D013	LINDANE			0.4							
D014	METHOXYCHLOR			10.0							
D015	TOXAPHENE			0.5							
D016	2,4-D			10.0							
D017	2,4,5-TP (SILVEX)			1.0							
D020	CHLORDANE			0.03							
D031	HEPTACHLOR (AND ITS EPOXIDE)			0.008							

**ADDITIONAL HAZARDS**  
 DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
 YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |





F. REGULATORY STATUS

- YES [checked] NO USEPA HAZARDOUS WASTE?
[checked] YES NO DO ANY STATE WASTE CODES APPLY?
331
Texas Waste Code
YES [checked] NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?
LDR CATEGORY: Not subject to LDR
VARIANCE INFO:
YES [checked] NO IS THIS A UNIVERSAL WASTE?
YES [checked] NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?
YES [checked] NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
YES [checked] NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
YES [checked] NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?
IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401.
YES [checked] NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)
IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
YES [checked] NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
YES [checked] NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
YES [checked] NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
YES [checked] NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
YES [checked] NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

G. DOT/TDG INFORMATION

DOT/TDG PROPER SHIPPING NAME:

NONE, NON RCRA HAZARDOUS WASTE LIQUIDS, (OIL)

H. TRANSPORTATION REQUIREMENTS

ESTIMATED SHIPMENT FREQUENCY ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY [checked] OTHER Varies
IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

Form with fields for CONTAINERIZED (0-0), BULK LIQUID (0 Min -0 Max), BULK SOLID (0-0), STORAGE CAPACITY, CONTAINER TYPE, VEHICLE TYPE, and CONTAINER MATERIAL.

I. SPECIAL REQUEST

SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:
SPECIAL WASTE HANDLING REQUIREMENTS:
OTHER COMMENTS OR REQUESTS:

J. BIENNIAL / ANNUAL REPORTING INFORMATION

SIC CODE 2899 SOURCE CODE G11 FORM CODE W219

K. SAMPLE STATUS

YES SAMPLED BY DATE SAMPLED WHERE SENT
REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE



# WASTE MATERIAL PROFILE SHEET

Clean Harbors Profile No. CH323218

## A. GENERAL INFORMATION

GENERATOR EPA ID #/REGISTRATION # **CAP00006011**  
 GENERATOR CODE (Assigned by Clean Harbors) **US2369**  
 ADDRESS **9330 7th Street**

GENERATOR NAME: **US Colloidal Technologies**  
 CITY **Rancho Cucamonga** STATE/PROVINCE **CA** ZIP/POSTAL CODE **91730**  
 PHONE:

CUSTOMER CODE (Assigned by Clean Harbors) **KE0387**  
 ADDRESS **1359-A Ellsworth Industrial Boulevard**

CUSTOMER NAME: **Kemron Environmental**  
 CITY **Atlanta** STATE/PROVINCE **GA** ZIP/POSTAL CODE **30318**

## B. WASTE DESCRIPTION

WASTE DESCRIPTION: **Castor Oil Pressed,**

PROCESS GENERATING WASTE (Please provide detailed description of process generating waste):

**Expired shelf life**

## C. PHYSICAL PROPERTIES (at 25C or 77F)

<b>PHYSICAL STATE</b> SOLID WITHOUT FREE LIQUID POWDER MONOLITHIC SOLID LIQUID WITH NO SOLIDS LIQUID/SOLID MIXTURE % FREE LIQUID % SETTLED SOLID % TOTAL SUSPENDED SOLID <input checked="" type="checkbox"/> SLUDGE GAS/AEROSOL	<b>NUMBER OF PHASES/LAYERS</b> 1 2 3 TOP <b>0.00</b> % BY VOLUME (Approx.) MIDDLE <b>0.00</b> BOTTOM <b>0.00</b>				<b>VISCOSITY (If liquid present)</b> 1 - 100 (e.g. WATER) 101 - 500 (e.g. MOTOR OIL) 501 - 10,000 (e.g. MOLASSES) > 10,000		<b>COLOR</b>  <b>Dark</b>
	<b>ODOR</b> NONE <input checked="" type="checkbox"/> MILD STRONG  Describe:		<b>BOILING POINT °F (°C)</b> <= 95 (<=35) 95 - 100 (35-38) 101 - 129 (38-54) >= 130 (>54)		<b>MELTING POINT °F (°C)</b> <input checked="" type="checkbox"/> < 140 (<60) 140-200 (60-93) > 200 (>93)		<b>TOTAL ORGANIC CARBON</b>  <= 1% 1-9% <input checked="" type="checkbox"/> >= 10%
<b>FLASH POINT °F (°C)</b> < 73 (<23) 73 - 100 (23-38) 101 -140 (38-60) 141 -200 (60-93) > 200 (>93)  Actual:	<b>pH</b> <= 2 2.1 - 6.9 <input checked="" type="checkbox"/> 7 (Neutral) 7.1 - 12.4 >= 12.5  Actual:	<b>SPECIFIC GRAVITY</b> < 0.8 (e.g. Gasoline) 0.8-1.0 (e.g. Ethanol) <input checked="" type="checkbox"/> 1.0 (e.g. Water) 1.0-1.2 (e.g. Antifreeze) > 1.2 (e.g. Methylene Chloride)	<b>ASH</b> < 0.1 0.1 - 1.0 <input checked="" type="checkbox"/> Unknown 1.1 - 5.0 Actual: 5.1 - 20.0		<b>BTU/LB (MJ/kg)</b> < 2,000 (<4.6) 2,000-5,000 (4.6-11.6) 5,000-10,000 (11.6-23.2) <input checked="" type="checkbox"/> > 10,000 (>23.2)  Actual:		
<b>VAPOR PRESSURE (for liquids only)</b>				mm Hg			

## D. COMPOSITION

(List the complete composition of the waste, include any inert components and/or debris. Ranges for individual components are acceptable. If a trade name is used, please supply an MSDS. Please do not use abbreviations.)

Chemical	MIN	MAX	UOM	Chemical	MIN	MAX	UOM
THICK OIL	99.000	100.000	%				

ANY METAL OBJECTS PRESENT? YES  NO

If yes include dimension:

**E. CONSTITUENTS** -- Are these values based on testing or knowledge?  Knowledge  Testing  
If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

MSDS	RCRA	REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm	OTHER METALS	MIN	MAX	UOM
D004		ARSENIC	5.0			ALUMINUM			
D005		BARIIUM	100.0			ANTIMONY			
D006		CADMIUM	1.0			BERYLLIUM			
D007		CHROMIUM	5.0			CALCIUM			
D008		LEAD	5.0			COPPER			
D009		MERCURY	0.2			MAGNESIUM			
D010		SELENIUM	1.0			MOLYBDENUM			
D011		SILVER	5.0			NICKEL			
<b>VOLATILE COMPOUNDS</b>						POTASSIUM			
D018		BENZENE	0.5			SILICON			
D019		CARBON TETRACHLORIDE	0.5			SODIUM			
D021		CHLOROBENZENE	100.0			THALLIUM			
D022		CHLOROFORM	6.0			TIN			
D028		1,2-DICHLOROETHANE	0.5			VANADIUM			
D029		1,1-DICHLOROETHYLENE	0.7			ZINC			
D035		METHYL ETHYL KETONE	200.0			<b>NON METALS</b>			
D039		TETRACHLOROETHYLENE	0.7			BROMINE			
D040		TRICHLOROETHYLENE	0.5			CHLORINE			
D043		VINYL CHLORIDE	0.2			FLUORINE			
<b>SEMI -VOLATILE COMPOUND</b>						IODINE			
D023		o-CRESOL	200.0			SULFUR			
D024		m-CRESOL	200.0			<b>OTHER NON-METALS</b>			
D025		p-CRESOL	200.0			<b>AMMONIA</b>			
D026		CRESOL (TOTAL)	200.0			<b>REACTIVE SULFIDE</b>			
D027		1,4-DICHLOROBENZENE	7.5			<b>CYANIDE-TOTAL</b>			
D030		2,4-DINITROTOLUENE	0.13			<b>CYANIDE AMENABLE</b>			
D032		HEXACHLOROBENZENE	0.13			<b>CYANIDE REACTIVE</b>			
D033		HEXACHLOROBUTADIENE	0.5			<b>OTHER CHEMICALS</b>			
D034		HEXACHLOROETHANE	3.0			PHENOL			
D036		NITROBENZENE	2.0			Total Petroleum Hydrocarbons			
D037		PENTACHLOROPHENOL	100.0			<b>OTHER</b>			
D038		PYRIDINE	5.0			<b>HOCs</b>			
D041		2,4,5-TRICHLOROPHENOL	400.0			<input checked="" type="checkbox"/> NONE			
D042		2,4,6-TRICHLOROPHENOL	2.0			< 1000 PPM			
<b>PESTICIDES AND HERBICIDES</b>						>= 1000 PPM			
D012		ENDRIN	0.02			<input checked="" type="checkbox"/> NONE			
D013		LINDANE	0.4			< 50 PPM			
D014		METHOXYCHLOR	10.0			>=50 PPM			
D015		TOXAPHENE	0.5			IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?			
D016		2,4-D	10.0			YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>			
D017		2,4,5-TP (SILVEX)	1.0						
D020		CHLORDANE	0.03						
D031		HEPTACHLOR (AND ITS EPOXIDE)	0.008						

**ADDITIONAL HAZARDS**  
DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?  
YES  NO (If yes, explain)

- |                         |  |                                |
|-------------------------|--|--------------------------------|
| ASBESTOS                | FUMING / SMOKING WASTE                       | RADIOACTIVE                    |
| DEA REGULATED SUBSTANCE | INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT | REDUCING AGENT                 |
| DIOXIN                  | OXIDIZER                                     | SHOCK SENSITIVE                |
| EXPLOSIVE               | OSHA REGULATED CARCINOGENS                   | SPONTANEOUSLY IGNITES WITH AIR |
| HERBICIDE               | PESTICIDE                                    | THERMALLY SENSITIVE            |
| NONE OF THE ABOVE       | POLYMERIZABLE                                | WATER REACTIVE                 |

**F. REGULATORY STATUS**

- YES  NO USEPA HAZARDOUS WASTE? \_\_\_\_\_
- YES NO DO ANY STATE WASTE CODES APPLY?  
**331**  
 Texas Waste Code \_\_\_\_\_
- YES  NO IS THIS WASTE PROHIBITED FROM LAND DISPOSAL WITHOUT FURTHER TREATMENT PER 40 CFR PART 268?  
 LDR CATEGORY: **Not subject to LDR**  
 VARIANCE INFO: \_\_\_\_\_
- YES  NO IS THIS A UNIVERSAL WASTE?
- YES  NO IS THIS A WASTEWATER PER 40 CFR PART 268.2?
- YES  NO IF ANY WASTE CODES D001, D002, D003 (OTHER THAN REACTIVE CYANIDE OR REACTIVE SULFIDE), D004-D0011, D012-DO17 NON-WASTEWATERS, OR D018- D043 APPLY, ARE ANY UNDERLYING HAZARDOUS (UHCs) PRESENT ABOVE UNIVERSAL TREATMENT STANDARDS (UTS)?
- YES  NO DOES TREATMENT OF THIS WASTE GENERATE A F006 OR F019 SLUDGE?
- YES  NO IS THIS WASTE SUBJECT TO CATEGORICAL PRETREATMENT DISCHARGE STANDARDS?  
 IF YES, SPECIFY POINT SOURCE CATEGORY LISTED IN 40 CFR PART 401. \_\_\_\_\_
- YES  NO IS THIS WASTE REGULATED UNDER THE BENZENE NESHAP RULES? (IS THIS WASTE FROM A CHEMICAL MANUFACTURING, COKE BY-PRODUCT RECOVERY, OR PETROLEUM REFINERY PROCESS?)  
 IF YES, IS THE GENERATOR'S TOTAL ANNUAL BENZENE >= 10 MEGAGRAMS? YES NO
- YES  NO DOES THIS WASTE CONTAIN VOC'S IN CONCENTRATIONS >=500 PPM?
- YES  NO DOES THE WASTE CONTAIN GREATER THAN 20% OF ORGANIC CONSTITUENTS WITH A VAPOR PRESSURE >= .3KPA (.044 PSIA)?
- YES  NO DOES THIS WASTE CONTAIN AN ORGANIC CONSTITUENT WHICH IN ITS PURE FORM HAS A VAPOR PRESSURE GREATER THAN 77 KPa (11.2PSIA)?
- YES  NO IS THIS CERCLA REGULATED (SUPERFUND ) WASTE ?
- YES  NO IS THIS WASTE REGULATED UNDER THE OZONE DEPLETING SUBSTANCE ACT FOR ONTARIO?

**G. DOT/TDG INFORMATION**

DOT/TDG PROPER SHIPPING NAME:

**NONE, NON RCRA HAZARDOUS WASTE LIQUIDS, (PRESSED OIL)**

**H. TRANSPORTATION REQUIREMENTS**

ESTIMATED SHIPMENT FREQUENCY  ONE TIME WEEKLY MONTHLY QUARTERLY YEARLY OTHER  
 IF BULK LIQUID OR BULK SOLID PLEASE INDICATE THE EXPECTED NUMBER OF LOADS PER SHIPPING FREQUENCY:

<input checked="" type="checkbox"/> CONTAINERIZED		BULK LIQUID		BULK SOLID		0 - 0	
0-0 CONTAINERS/SHIPMENT	GALLONS/SHIPMENT: <b>0 Min -0 Max</b>	GAL.	SHIPMENT UOM:	TON	YARD		
STORAGE CAPACITY:	FROM TANKS: TANK SIZE	GAL.	PER SHIPMENT:	MIN	MAX		
CONTAINER TYPE:	FROM DRUMS		STORAGE CAPACITY		TON/YD		
CUBIC YARD BOX	VEHICLE TYPE:		VEHICLE TYPE:				
PALLET	VAC TRUCK		DUMP TRAILER				
TOTE TANK	TANK TRUCK		ROLL OFF BOX				
OTHER: _____	RAILROAD TANK CAR		INTERMODAL ROLLOFF BOX				
<input checked="" type="checkbox"/> DRUM SIZE: <b>30</b>	CHECK COMPATIBLE STORAGE MATERIALS.		CUSCOVACTOR				
CONTAINER MATERIAL:	STEEL	STAINLESS STEEL	OTHER _____				
STEEL	RUBBER LINED	FIBERGLASS LINED					
FIBER	DERAKANE						
PLASTIC	OTHER _____						
<input checked="" type="checkbox"/> OTHER <b>varies</b>							

**I. SPECIAL REQUEST**

- SPECIFIC DISPOSAL RESTRICTIONS OR REQUESTS:  
 SPECIAL WASTE HANDLING REQUIREMENTS:  
 OTHER COMMENTS OR REQUESTS:

**J. BIENNIAL / ANNUAL REPORTING INFORMATION**

SIC CODE **2899** SOURCE CODE **G11** FORM CODE **W219**

**K. SAMPLE STATUS**

YES SAMPLED BY DATE SAMPLED WHERE SENT  
 REPRESENTATIVE SAMPLE HAS BEEN SUPPLIED NO

**GENERATOR'S CERTIFICATION**

I hereby certify that all information submitted in this and attached documents is correct to the best of my knowledge. I also certify that any samples submitted are representative of the actual waste. If Clean Harbors discovers a discrepancy during the approval process, Generator grants Clean Harbors the authority to amend the profile, as Clean Harbors deems necessary, to reflect the discrepancy.

AUTHORIZED SIGNATURE NAME (PRINT) TITLE DATE