

CODING FORMS FOR SRC INDEXING

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Submitting Organization	HOECHST CELANESE CORP		
Contractor			
Document Title	INITIAL SUBMISSION: MATERIAL SAFETY DATA SHEET ON 2-ETHYLEHEXYLAMINE, WITH COVER LETTER DATED 7/14/88		
Chemical Category	2-ETHYL-1-HEXANAMINE		

**Hoechst Celanese**



F01-94-001048  
INIT 87/26/94

**74I-0794-001048**



04940000147

Virginia Chemicals Company  
801 Water Street  
Portsmouth, VA 23704  
804 393 3100  
Telex 6717746

July 14, 1988

**Contains No CBI**

Ms. Robert Wedge  
Staff Scientist  
Dynamac Corporation  
The Dynamac Building  
11140 Rockville Pike  
Rockville, MD 20852

Dear Ms Wedge:

We received your letter requesting toxicity information on 2-ethylhexylamine. Please be advised that Virginia Chemicals has no toxicity testing data on file for 2-ethylhexylamine. I am attaching our current Material Safety Data Sheet (MSDS) for 2-ethylhexylamine which includes oral and dermal acute toxicity data as reported in the registry of toxic effects of chemical substances (RTECS).

If I can be of further assistance, please feel free to call me at 804-393-3156.

Sincerely,

M. Dan Brower  
Manager Product Safety

Enclosure

112-88

*Submitted from:  
Douglas Viafore  
DIC Americas, Inc.  
2100 N. Central Rd.  
Fort Lee, NJ 07024*

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**Hoechst**



# 2-ETHYLHEXYLAMINE

VIRGINIA CHEMICALS INC.  
801 WATER STREET  
PONTSMOUTH, VIRGINIA 23704

## MATERIAL SAFETY DATA SHEET

Information Telephone: 804/303-3100

Emergency Telephone: 804/484-5000

CHEMTREC Telephone: 800/424-9300

### I. IDENTIFICATION

PRODUCT NAME: <b>2-Ethylhexylamine</b>	REVISION DATE: <b>3/86</b>
CHEMICAL NAME: <b>2-Ethyl-1-hexanamine</b>	FORMULA: <b>C<sub>8</sub>H<sub>19</sub>N</b>
SYNONYMS: <b>None</b>	MOLECULAR WEIGHT: <b>129.25</b>
D.O.T. HAZARD CLASS: <b>Corrosive material</b>	UN No: <b>1760</b> CAS No: <b>104-75-6</b>
D.O.T. SHIPPING NAME: <b>Corrosive liquid, n.o.s.</b>	CAS NAME: <b>1-Hexanamine, 2-Ethyl-</b>

### II. PHYSICAL DATA

PHYSICAL STATE	<b>Liquid</b>	SPECIFIC GRAVITY (H <sub>2</sub> O = 1)	<b>0.7920 @ 25°C/20°C</b>
BOILING POINT °C. at 760 mm Hg.	<b>169.0</b>	SOLUBILITY IN WATER, wt. %	<b>Insoluble</b>
FREEZING POINT °C	<b>No specific information</b>	VOLATILES, VOLUME %	<b>100</b>
VAPOR PRESSURE AT 20°C, mm Hg.	<b>10</b>	EVAPORATION RATE (Butyl Acetate = 1)	<b>No specific information.</b>

### III. HAZARDOUS COMPONENTS GREATER THAN 1%

MATERIAL	PEL	TLV	POTENTIAL HAZARD
<b>Not a mixture</b>	<b>*</b>	<b>*</b>	<b>*</b>

\*See Section VI.

### IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT, °C	<b>59(138°F)(TCC)</b>	FLAMMABLE LIMITS, Vol. %	LEL <b>No specific info.</b>	UEL <b>No specific info.</b>
NORMAL EXTINGUISHING AGENT	<b>Alcohol-type foam, carbon dioxide, water fog.</b>			

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to cool storage vessel and adjacent tanks. Cover all spills with foam to minimize vapor release. Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may rupture (due to pressure buildup) when exposed to extreme heat. Fire hazard in presence of heat, flame or oxidizers.

### V. REACTIVITY DATA

STABLE <b>X</b>	CONDITIONS TO AVOID	<b>Heated surfaces, sparks, and open flames.</b>
UNSTABLE		

INCOMPATIBILITY (Materials to Avoid)

**Reacts with acids and oxidizing materials.**

HAZARDOUS COMBUSTION OR HAZARDOUS DECOMPOSITION PRODUCTS

**Incomplete combustion may produce NO<sub>x</sub> and carbon monoxide.**

To the best of our knowledge, the information contained herein is accurate. However, neither Virginia Chemicals Inc., its parent company nor their subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information. Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.

PRODUCT NAME: **2-ETHYLHEXYLAMINE**



**VI. HEALTH HAZARD DATA**

ACUTE EFFECTS OF EXPOSURE	TLV	Not established	PEL	Not established
SWALLOWING	Moderately toxic. Oral (rat) LD <sub>50</sub> : 450 mg/kg			
SKIN CONTACT	Moderately toxic by absorption. Skin (rbt) LD <sub>50</sub> : 600mg/kg. May cause severe skin injury.			
INHALATION	Slightly toxic. Inhalation of high concentrations of vapor may produce irritation of respiratory tract and lungs.			
EYE CONTACT	May cause severe eye injury. Damage reversible.			
CHRONIC EFFECTS OF EXPOSURE	No specific information.			
OTHER HEALTH DATA:	Material can be absorbed through the skin.			

EMERGENCY AND FIRST AID PROCEDURES	Remove from exposure. Do not induce vomiting.
SWALLOWING	Obtain medical assistance immediately.
SKIN	Flush affected areas with soap and water for at least 15 minutes.
INHALATION	Remove to fresh air. Obtain medical assistance immediately.
EYES	Flush with water for at least 15 minutes. Obtain medical assistance immediately.

**VII. SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED	Confine spilled material to prevent contamination of ground and surface water. Uncontrolled spills exceeding 100 lbs. may be reportable to the National Response Center (1-800-424-8802).
WASTE DISPOSAL METHOD	Biological treatment or incineration are effective disposal methods. Method must be approved by local state or federal agency. For disposal, this material is hazardous waste under current RCRA regulations.

**VIII. SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION	Gas mask suitable for ammonia vapors or self-contained breathing apparatus (SCBA).		
PROTECTIVE GLOVES	Clean Neoprene gloves	EYE PROTECTION	Face shield or chemical splash goggles.
VENTILATION	Exhaust fans to provide localized ventilation.	SPECIAL EQUIPMENT	Impervious clothing (e.g., neoprene) to protect exposed body areas.

**IX. SPECIAL PRECAUTIONS**

HANDLING AND STORING:	Store in closed, leak-proof, stainless or carbon steel containers, segregated from acids and oxidizers. Store and use in areas free from sparks, open flames and heated surfaces. Ground containers and system before unloading.
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OTHER:	Safety showers and eyewash facilities must be immediately available. Exhaust systems and transfer pumps must be equipped with explosion-proof drives.	LABEL CODE: 20-124
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