

IR-487

# Witco



FYI-94-000989  
INIT 07/14/94

Organics Division

Witco Corporation, 3230 Brookfield Street, Houston, Texas 77045 Telephone 713-433-7281

**FYI-0794-000989**

March 26, 1987



84940000089

(A)

Ms. Roberta Wedge  
Dynamac Corporation  
11140 Rockville Pike  
Rockville, MD 20852

Dear Ms. Wedge:

Enclosed please find a material safety data sheet for Witco's product, Witcamine 209. Also, please find the statements regarding worker exposure and biodegradability in the attached letter to Dr. Robert Brink of the Environmental Protection Agency.

Sincerely,

WITCO CORPORATION

Charles R. Green  
Divisional R&D Manager  
Governmental Regulations

CRG:olb

Enclosures

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10/13/94



# Witco

Organics Division

Witco Corporation, 3230 Brookfield Street, Houston, Texas 77045 Telephone 713-433-7281

March 10, 1987

Dr. Robert Brink  
Environmental Protection Agency (TS-792)  
Room 535, East Tower  
401 M Street, S.W.  
Washington, DC 20460

Dear Dr. Brink:

I am responding to the request made by Ms. Roberta Wedge of Dynamac Corporation regarding a chemical, 1H-imidazole, 4,5-dihydro-2-nortall oil alkyl derivatives (CAS No. 61791-36-4), which Witco manufactures and markets.

Witco Corporation considers production and process data regarding the above mentioned chemical confidential.

Witco markets the above mentioned chemical to other chemical and oilfield service companies who formulate it into corrosion inhibitors, scale inhibitors and demulsifiers. These products are used in the energy production market area.

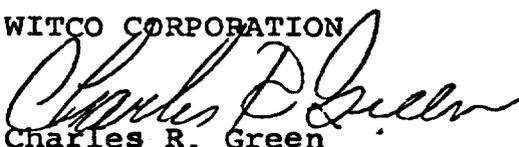
The environmental data is very limited, all clean up of equipment is pumped to our on site disposal well which is over 7,000 feet deep. As to biodegradability, this is a product produced by reacting tall oil fatty acid with diethylene triamine; I believe there is published data for these chemicals. We are not privileged to our customers finished formulations, but most make salts of this imidazoline, i.e., acetate, hydroxy acetate, tall oil acid, dimer/trimer acid, dodecylbenzene sulfonic acid to name a few. These salts of the imidazoline are then formulated with other functional chemicals and diluted with an appropriate diluent before use.

Witco has produced and marketed this product for more than twenty years and never have we had an operator in our plant develop a medical problem relating to it.

Enclosed please find a material safety data sheet for Witcamine 209.

Sincerely,

WITCO CORPORATION

  
Charles R. Green  
Divisional R&D Manager  
Governmental Regulations

CRG:olb

Enclosures



# WITCO MATERIAL SAFETY DATA SHEET

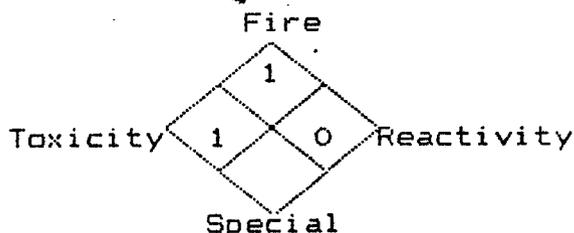
Witcamine 209

PAGE 1

Product Code: 158 5310

CAS NO: 68442-97-7

	HAZARD RATING
N	4 - Extreme
PT	3 - High
	2 - Moderate
A	1 - Slight
	0 - Insignificant



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DIVISION AND LOCATION---SECTION I

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Division: ORGANICS

Location: HOUSTON PLANT, TX

3230 BROOKFIELD ST., HOUSTON, TX, 77045

Emergency Telephone Number: (713) 433-7281

Transportation Emergency: CHEM TREC 1-(800) 424-9300 (U.S. and Canada)

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CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

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Chemical Name:

alkyl imidoamide of tall oil fatty acid

Formula: no data available

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning.  
oxides of nitrogen

Incompatibility (Keep away from):

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients:

1,2-ethanediamine, n-(2-aminoethyl)-

%	<u>CAS #</u>
	111-40-0

Form: liquid

Odor: amine

Appearance: slightly hazy

Color: dark amber

Specific Gravity (water=1): .93

Boiling Point: no data available

Melting Point: not applicable

Solubility in Water (by weight %): insoluble at 25°C

Volatile (by weight %): not applicable

Evaporation Rate: not applicable

Vapor Pressure (mm Hg at 20°C): not applicable

Vapor Density (air=1): no data available

pH (as is): pH(1%): 10 to 12

Stability: Product is stable under normal conditions

Viscosity SUS at 100°F: greater than 100

(Continued on next page)



WITCO MATERIAL SAFETY DATA SHEET

Witcamine 209

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Product Code: 158 5310

CAS NO: 68442-97-7

FIRE AND EXPLOSION DATA---SECTION III

Special Fire Fighting Procedures:

Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards:

none

Flashpoint: (Method Used) Pensky-Martens closed-cup greater than 200°F

Flammable limits %: not applicable

Extinguishing agents:

Drychemical or Waterspray or Waterfog or CO<sub>2</sub> or Foam or Sand/Earth

HEALTH HAZARD DATA---SECTION IV

Permissible concentrations (air):

no data available

Chronic effects of overexposure:

no data available

Acute toxicological properties:

no data available

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Flush with large amounts of water for 15 minutes.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and call a physician

If Swallowed: Call a physician.

SPECIAL PROTECTION INFORMATION---SECTION V

Ventilation Type Required (Local, mechanical, special):

mechanical

Respiratory Protection (Specify type):

not applicable

Protective Gloves: rubber or plastic solvent resistant

Eye Protection: chemical safety goggles.

Other Protective Equipment:

neoprene protective type apron.

(Continued on next page)



WITCO MATERIAL SAFETY DATA SHEET

Witcamine 209

PAGE 3

Product Code: 158 5310

CAS NO: 68442-97-7

HANDLING OF SPILLS OR LEAKS---SECTION VI

Procedures for Clean-Up:

Absorb with an inert material such as sand, soil or vermiculite; sweep up and dispose of in accordance with federal, state and local regulations.

Waste Disposal:

Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS---SECTION VII

Precautions to be taken in handling and storage:

Store between 40°F and 120°F.

TRANSPORTATION DATA---SECTION VIII

D.O.T.: Not Regulated

Reportable Quantity: not applicable

Freight Classification: Oil Well Treating Compound

Special Transportation Notes:

none

COMMENTS---SECTION IX

Signature: Charles Green

Title:

MANAGER - REGULATIONS

Original Date:

Sent to:

Date:

Revision Date: 03/05/87

Supersedes:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.