

Material Safety Data Sheet

Page : 1

Original Date: 10/29/1997

Revision Date: 11/06/2001

BASF CORPORATION  
3000 CONTINENTAL DRIVE NORTH

MOUNT OLIVE, NJ 07828

(973) 426-4671

EMERGENCY TELEPHONE: (800) 424-9300 CHEMTREC

(800) 832-HELP (BASF Hotline)

BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

POLYETHERAMINE D 400

Product ID: NCI 102091

Common Chemical Name:

POLYETHERAMINE D 400

Synonyms:

NONE

Molecular Formula:

NONE

Chemical Family: Not Applicable

Molecular Wt.: NOT APPLICABLE

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount	
POLY(OXY(METHYL-1,2-ETHAN	9046-10-0	< 97.0	%
PEL/TLV NOT ESTABLISHED			
WATER	7732-18-5	> 0.3	%
PEL/TLV NOT ESTABLISHED			
BYPRODUCTS	BYPRODUCTS	< 3.0	%
PEL/TLV NOT ESTABLISHED			

SECTION 3 - PHYSICAL PROPERTIES

Color:	Light Yellow				
Form/Appearance:	Liquid				
Odor:	Amine				
	Typical	Low/High	U.O.M.		
Specific Gravity:	0.97			@ 20	DEG C
Viscosity:	26.5		MM2S	@ 23	DEG.
pH:	11			@ 20 C	
pH method:	(10 G/L WATER)				
	Typical	Low/High	Deg.	@	Pressure
Boiling Pt:	> 200		C	1	ATMOSPHERES
Freezing Pt:	< -40		C	1	ATMOSPHERES
Decomp. Tmp:	NOT AVAILABLE				
Solubility in Water Description:	Miscible				
Vapor Pressure:	1	MILLIBARS	X	20	DEG. C XX

## SECTION 3 - PHYSICAL PROPERTIES (cont)

---

Octanol Water Coeff: 0.45

## SECTION 4 - FIRE AND EXPLOSION DATA

---

	Typical	Low/High	Deg.	Method
Flash Point:	158			C DIN 51 758
Autoignition:	235			C DIN 51794
Flam. Limits:		0.4 - 1.9	%	

## Extinguishing Media:

Use water foam, CO2 or dry chemical extinguishing media.

## Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

## Unusual Hazards:

There are no known unusual fire or explosion hazards.

## SECTION 5 - HEALTH EFFECTS

---

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

## Toxicology Test Data:

Rat, Oral LD50 - 1100 MG/KG

Moderately Toxic

Rabbit, Dermal LD50 - 983 MG/KG

Moderately Toxic

Rabbit, Primary Skin Irritation -  
Corrosive

Rabbit, Eye Irritation -  
Corrosive

Ames Salmonella Assay -  
Not mutagenic

Sensitizing potential -  
Not a sensitizer

Daphnia magna, 48 hr static EC50 - 15 MG/L  
Slightly Toxic

## Acute Overexposure Effects:

This liquid is corrosive to the eyes and skin if contact occurs. Severe irritation and chemical burns may result. Eye damage could be permanent.

Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

## Chronic Overexposure Effects:

There are no known chronic effects associated with this material.

## First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

## First Aid Procedures - Eyes:

Flush with copious amounts of water for at least 15 minutes. Hold

## SECTION 5 - HEALTH EFFECTS (cont)

---

eyelids open to facilitate rinsing. Seek medical assistance immediately.

## First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting.

Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

## First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

## First Aid Procedures - Notes to Physicians:

Not applicable.

## First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects (if any) observed in animals.

## First Aid Procedures - Special Precautions:

Not applicable.

## SECTION 6 - REACTIVITY DATA

---

Stability Data:

No data available.

## Incompatibility:

Exothermic reaction with acids.

## Conditions/Hazards to Avoid:

Acids.

## Hazardous Decomposition/Polymerization:

Hazardous Decomposition Products: No Data Available.

## Corrosive Properties:

Corrosive.

## Oxidizer Properties:

No data available.

## Other Reactivity Data:

None known.

## SECTION 7 - PERSONAL PROTECTION

---

Clothing:

Chemical impervious gloves, boots, and apron or smock.

## Eyes:

Wear fitted chemical goggles or face shield and safety glasses.

## Respiration:

Use only with adequate ventilation.

## Ventilation:

Provide adequate room ventilation to maintain vapor concentrations below an acceptable exposure level. Provide local exhaust ventilation at points of vapor emission.

## Explosion Proofing:

None required.

## Other Personal Protection Data:

None under normal conditions.

## SECTION 8 - SPILL-LEAK/ENVIRONMENTAL

## General:

Eliminate all sources of ignition.

## Waste Disposal:

Dispose of in accordance with Federal, state, and local regulations concerning health and pollution. Incineration is the recommended method of disposal.

## Container Disposal:

Not applicable.

## Other Spill/Leak Procedures:

This product is an alkaline. Before discharging sewage into treatment plants neutralization is generally required. Because it is practically insoluble in water, it can be mechanically removed.

## Environmental Toxicity Test Data:

Elimination (OECD Test 302 B) - < 20 PERCENT  
 Difficult to Eliminate  
 Golden Orfe, static 96 hr LC50 - 220 - 460 MG/L  
 Practically Nontoxic

## SECTION 9 - STORAGE AND HANDLING

## General:

Store in tightly closed containers.

## SECTION 10 - REGULATORY INFORMATION

## TSCA Inventory Status

Listed on Inventory: YES

## State Regulatory Information: (By Component) NJ/PA/MA RTK

CAS: BYPRODUCTS NO

NAME: BYPRODUCTS

CAS: 7732-18-5 NO

NAME: WATER

CAS: 9046-10-0 NO

NAME: POLY(OXY(METHYL-1,2-ETHAN

## Hazard Ratings:

	Health:	Fire:	Reactivity:	Special:
HMIS	3	1	0	NA
NFPA	3	1	0	NA

This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

## SECTION 11 - TRANSPORTATION INFORMATION

## DOT Proper Shipping Name:

SEE BELOW

## DOT Technical Name:

SEE BELOW

## DOT Primary Hazard Class:

SEE BELOW

## DOT Secondary Hazard Class:

SEE BELOW

## SECTION 11 - TRANSPORTATION INFORMATION (cont)

---

DOT Label Required:

SEE BELOW

DOT Placard Required:

SEE BELOW

DOT Poison Constituent:

SEE BELOW

BASF Commodity Codes:

UN/NA Code:

E/R Guide:

Bill of Lading Description:

AMINES, LIQUID, CORROSIVE, NOS, (POLYETHERAMINE), 8, UN2735, PGII  
"IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION  
CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE  
ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS  
MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE  
TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR  
PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR  
IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A  
PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS,  
DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA  
OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL  
PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS,  
INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR  
TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND  
AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED  
BY BASF HEREUNDER ARE GIVEN GRATIS AND BASF ASSUMES NO OBLIGATION OR  
LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN  
OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK".

END OF DATA SHEET