

MATERIAL SAFETY DATA SHEET

SPECPOXY 1000

1. COMPANY IDENTIFICATION

Manufacturer: SpecChem

444-B Richmond Ave.

Kansas City, KS 66101

Phone (866) 791-8700

24 Hour Emergency Contact: CHEMTREC (800) 424-9300

2. COMPOSITION INFORMATION

<u>Component</u>	<u>CAS #</u>	<u>% by weight</u>
Part A:		
Bisphenol A/ Epichlorohydrin	25068-38-6	> 80%
Aliphatic Glycidyl Ether	2461-15-6	< 20%
Part B:		
n-aminoethylpiperazine	140-31-8	< 25%
2,4,6 Tri(dimethylaminomethyl)phenol	90-72-2	< 10%
Nonyl phenol	84852-15-3	< 15%

3. HAZARDS IDENTIFICATION

HAZARD DESCRIPTION

Part A: Irritant

Part B: Corrosive

Irritating to eyes, respiratory system, and skin.

May cause lung damage if swallowed.

NPFA Rating (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Health = 2 Fire = 1 Reactivity = 0

HMIS Rating (0=Least, 1=Slight, 2=Moderate, 3=High, 4=Extreme)

Health = 2 Fire = 1 Reactivity = 0

4. FIRST AID PROCEDURES

EYE CONTACT: Immediately flush with water for 15 minutes or until irritation subsides.

Obtain medical attention if irritation persists.

SKIN CONTACT: Remove contaminated clothing and wash skin thoroughly with soap and water. Obtain medical attention if irritation persists. Discard contaminated leather articles such as shoes and belt.

INHALATION: Immediately remove victim to fresh air if overexposure occurs. Give artificial respiration if not breathing. Obtain medical attention if breathing problems persist.

INGESTION: If ingested, do induce vomiting and do not give liquids. Immediately obtain medical attention. Should a small amount accidentally enter mouth, rinse with water until taste is gone.

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5. FIRE FIGHTING MEASURES

Flash Point: 200° F

Auto ignition Temperature: Product is not self igniting

Explosion Limits in air: Product does not present an explosion hazard

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, sand.

EXTINGUISHING MEDIA TO AVOID: None

SPECIAL FIREFIGHTING PROCEDURES: Use water to keep fire-exposed containers cool and protect firefighters. If a leak or spill has not ignited, use water spray to disperse vapors and provide protection for personnel attempting to stop the leak. Water spray may be used to flush spills away from exposures. Minimize breathing gases, vapor, smoke, or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide and others in the case of incomplete combustion.

“EMPTY” CONTAINER WARNING: “Empty” containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. “Empty” drums should be completely drained, properly bunged and promptly returned to a drum reconitioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to OSHA, ANSI Z 49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS: Extinguish all possible sources of ignition. Evacuate the hazard area of unprotected personnel. Dike and contain with suitable absorbent. Shut off source of leak only if it is safe to do so. Remove with a grounded pump to a salvage container. Do not allow to enter sewers or open waterways. Advise authorities if product has entered sewers, waterways, or extensive land areas.

SMALL SPILLS: Extinguish all possible sources of ignition. Take up with absorbent materials such as sand or sawdust and place in non-leaking containers. Dispose of in accordance with all Federal, state, and local regulations.

7. HANDLING AND STORAGE

HANDLING: For industrial use only. Avoid skin and eye contact. Minimize breathing vapor or mist. Respiratory protection is required when ventilation is inadequate. Cleanse skin thoroughly after contact, before breaks and meals, and at the end of a work period. NIOSH/OSHA approved respirators should be worn when ventilation is inadequate.

STORAGE: Store in a cool, dry location and in accordance with good industrial practices. Keep containers closed when not in use. Do not handle or store near heat, sparks, flame, or strong oxidizers.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Use local exhaust to capture vapor or mists if necessary. Provide ventilation sufficient to prevent exceeding OSHA PELs.

RESPIRATORY PROTECTION: Use OSHA/NIOSH approved supplied-air respiratory protection in confined or enclosed spaces, where vapor is present or may be generated, or in event of fire.

SKIN PROTECTION: Use chemical resistant gloves, boots, apron, and other impervious clothing to prevent skin contact.

EYE PROTECTION: Use splash goggles or face shield when eye contact may occur.

PERSONAL HYGIENE: Do not eat, drink, or smoke in work areas. Remove contaminated clothing and launder or dry clean before reuse. Discard contaminated leather articles such as shoes and belt.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Part A: Clear to amber liquid, Part B: Clear to amber liquid

ODOR: Characteristic odor

BOILING POINT: 300°F

VAPOR PRESSURE: N/D

SPECIFIC GRAVITY: 1.1

VAPOR DENSITY (Air=1): N/D

EVAPORATION RATE @ STP (n-butyl acetate=1): N/D

POUR POINT: N/D

SOLUBILITY IN WATER: Not miscible

10. STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: Heat, open flame, or other sources of ignition.

MATERIALS TO AVOID: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition will occur if used according to specifications. Carbon dioxide, carbon monoxide, and other decomposition products can occur during combustion.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE EXPOSURE: Tests on similar materials show a low order of acute oral and dermal toxicity. As a precaution, exposure to liquids, vapor, mists, or fumes should be minimized.

EYE EFFECTS: May cause irritation on contact.

SKIN EFFECTS: May cause irritation on skin and mucous membranes.

SENSITIZATION: Can cause allergic reactions in suspect individuals.

ORAL EFFECTS: Tests on similar materials indicate a low order of acute oral toxicity.

INHALATION EFFECTS: Low acute toxicity expected on inhalation.

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12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: Information may be available, contact SpecChem.

ECOTOXICITY: Toxic to aquatic organisms. Do not allow to enter ground water, waterways, or sewage system.

FURTHER INFORMATION: None.

13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable Federal, state, provincial, and local environmental regulations. Empty containers should be recycled or disposed of through an approved waste management facility.

Disposal methods identified are for the product as sold. For proper disposal of used material, an assessment must be completed to determine the proper and permissible waste management options permissible under applicable rules, regulations and/or laws governing your location.

14. TRANSPORT INFORMATION

U.S. DOMESTIC Cartridges - Consumer commodity, ORM-D

U.S. DOMESTIC GROUND

Part A: Not Regulated

Part B: PROPER SHIPPING NAME: Amines Liquid Corrosive NOS
(n-aminoethylpiperazine)

IDENTIFICATION NUMBER: UN2735

HAZARD CLASS: 8

PACKING GROUP: III

LABEL: 8

Limited Quantity Exemption: Limited Quantity applies for packages 1 gallon or smaller weighing 11 pounds or less (per part)

15. REGULATORY INFORMATION

FEDERAL/NATIONAL

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TOXIC SUBSTANCES CONTROL ACT (TSCA)

All components of this product are on the TSCA Inventory or are exempt from the TSCA Inventory requirements.

16. OTHER INFORMATION

SAFETY PHRASES:

Avoid exposure- obtain instructions before use.

Keep out of reach of children.

Keep container closed until ready to use.

Keep away from food and drink.

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Keep away from sources of ignition.
Industrial use only.

Prepared by: Thomas F. Stalnaker

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