



N-1386 HG

DATE: 18/18/2006

CAS NO: 3064-70-8

SUPERSEDES: 10/2003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **N-1386 HG**
SYNONYMS: Bis (trichloromethyl) sulfone includes: Hexylene Glycol
MOLECULAR FORMULA: $Cl_3CSO_2CCI_3$
MOLECULAR WEIGHT: 301

VERICHEM, 3499 Grand Avenue, Pittsburgh, PA 15225 (412-331-7299, 8:30 am to 5:00 pm)

EMERGENCY PHONE: For any emergency involving spill, leak, fire, exposure, or accident call CHEMTREC: 1-800-424-9300. Outside the USA and Canada call: 703-527-3887.

2. COMPOSITION/INFORMATION ON INGREDIENTS

REGULATED COMPONENTS

COMPONENT	CAS NUMBER	PERCENT	WORKER EXPOSURE	REFERENCE
Bis (trichloromethyl) sulfone	3064-70-8	34.3		
Hexylene glycol	107-41-5	65.7		

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Danger! Corrosive to the eye and irritating to the skin. May be fatal if inhaled.

APPEARANCE AND ODOR: Clear, colorless liquid; odorless

EFFECTS OF OVEREXPOSURE: No exposure limits have been established for this material. However, The American Conference of Government and Industry Hygienists has established a Threshold Limit Value (TLV) of 25 ppm (1215 mg/m³) as a ceiling for Hexylene glycol (ACGIH,1989). The Federal OSHA limit is the same.

4. FIRST AID MEASURES (IN CASE OF CONTACT)

IF IN EYES: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Get medical attention. Remove contact lenses, if present, after the first 5 minute, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

5. **FIRE FIGHTING MEASURES**

FLAMMABLE PROPERTIES

FLASH POINT: 230⁰ F/110⁰C (Cleveland Open Cup)
212⁰F/100⁰C (Seta Flash)

FLAMMABLE LIMITS (% BY VOLUME): N/A

AUTOIGNITION TEMPERATURE: N/A

DECOMPOSITION TEMPERATURE: Greater than 212⁰F/100⁰C

FIRE HAZARD

Under fire conditions, this material is combustible, may support combustion and decompose to give off toxic materials, such as hydrogen chloride, carbon monoxide, phosgene and sulfur dioxide. A thermal explosion may occur of containers of Slimicide/Fungicide in Hexylene Glycol are exposed to elevated temperatures.

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTION

Vapors and products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed several hours or longer depending upon the extent of exposure. As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate nonessential personnel from the fire area. Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Use standard fire-fighting techniques to extinguish fires involving this material. Use water, dry chemicals, foam or carbon dioxide. If drums are NOT leaking, keep cooled with a water spray. High-pressure water hoses may spread product from broken containers, increasing contamination hazard.

Contaminated building, areas and equipment must not be used until they are properly decontaminated.

If fire cannot be controlled and containers are heated, EVACUATE THE AREA!

6. **ACCIDENTAL RELEASE MEASURES**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices.

Any person entering an area of a significant spill or of an unknown concentration of an aerosol should use a NIOSH approved, positive pressure self contained breathing apparatus or a NIOSH approved positive pressure air supplied respirator with escape pack.

Small spills can be handle routinely. Use adequate ventilation and or wear a NOSH approved organic vapor respirator with dust mist and fume filter to prevent inhalation exposure. Wear protective clothing to prevent skin and eye contact. Use the following procedures.

Soak up pooled liquid with a suitable absorbent such as clay, sawdust kitty litter or fuller's earth. Sweep up the absorbed material and place into an appropriate chemical waste container for disposal. Generously cover contaminated area with slurry of common, powdered household laundry detergent and water. Using a stiff brush, work the slurry into cracks and crevices. Allow to stand for 2-3 minutes then flush with water. Repeat if necessary. Large spills must be handled according to a predetermined plan.

7. **HANDLING AND STORAGE**

STORAGE REQUIREMENTS:

Containers should be stored at room temperature in dry, well-ventilated area away from flammable materials and sources of heat or flame. Store away from foodstuffs or animal feed. Exercise due caution to prevent damage to or leakage from the container. Avoid prolonged storage at temperatures above 158°F (70°C). Containers should not be opened until ready for use. It is recommended that the product not be used after 12 months from the date of manufacturing.

8. **PERSONAL PROTECTION**

EYE PROTECTION REQUIREMENTS: Chemical splash goggles and face shields.

SKIN PROTECTION REQUIREMENTS: Chemical resistant gloves and protective clothing.

VENTILATION REQUIREMENTS: Use local exhaust ventilation where dust or vapor may be generated.

RESPIRATOR REQUIREMENTS: For irritating vapors, use a NIOSH approved respirator in accordance with OSHA regulations.

12. ECOLOGICAL INFORMATION

FISH AND WILDLIFE

AQUATIC: This material is toxic to fish. Do not contaminate water sources by cleaning equipment or disposing of wastes.

13. DISPOSAL CONSIDERATION

ACTION TO TAKE IN THE EVENT OF A SPILL: Contain spill.

DISPOSAL METHOD: "Empty" containers contain 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, static electricity or other sources of ignition. "Empty" drums should be completely drained, closures sealed and properly returned to a drum reconditioner. ENVIRONMENTAL DATA: Empty containers and material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act. NOTE: State and local regulations may be more stringent than Federal.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

	DOT Shipping Information	IMO Shipping Information	ICAO/IATA	TRANSPORT CANADA
Shipping Name	Corrosive Liquid Acidic, Organic N.O.S (contains: bis(trichloromethyl) sulfone)	Corrosive Liquid Acidic, Organic N.O.S (contains: bis(trichloromethyl) sulfone)		Corrosive Liquid Acidic, Organic N.O.S (contains: bis(trichloromethyl) sulfone)
Hazard Class	8	8		8
Packing Group	III	III		III
Subsidiary Class				
UN/ID Number	3265	3265		3265
Transport Label Required	Corrosive	Corrosive		Corrosive
Packing Instructions Passenger Cargo				
Max. Net Quantity Passenger Cargo				
D.O.T. Hazardous Substances				
IMDG Page				

15. REGULATORY INFORMATION

INVENTORY INFORMATION

US TSCA: CANADA DSL: EEC EINECS:

16. OTHER INFORMATION

NFPA HAZARD RATING (NATIONAL FIRE PROTECTION ASSOCIATION)

FIRE: 1 HEALTH: 3 REACTIVITY: 0

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