



VERICHEM

MATERIAL SAFETY DATA SHEET

DATE: July 28, 2008

SUPERSEDES: February 22, 2008

VeriGuard 3003

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: VeriGuard 3003
SYNONYMS: Blend
MOLECULAR FORMULA: $C_6H_6Br_2N_2$ / $C_3H_2BR_2N_2O$
MOLECULAR WEIGHT: 266 / 242
VERICHEM, 3499 Grand Avenue, Pittsburgh, PA, USA, 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
1,2-Dibromo-2,4-Dicyanobutane	35691-65-7	10	N/A	N/A
2,2-Dibromo-3-nitrilopropionamide	10222-01-2	10	N/A	N/A

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

APPEARANCE AND ODOR: Light green to orange viscous liquid with little to no odor.

EFFECTS OF OVEREXPOSURE

HUMAN: DANGER. CORROSIVE Causes irreversible eye damage. May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear goggles, safety glasses or face shield when handling. Avoid contact with skin. Do not breathe vapor or spray mist dust. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL: Toxic to fish

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 OR CLOTHING: 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.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES This product is not by definition a “flammable liquid” or a “combustible liquid”.

FLASH POINT: Not Flammable
FLAMMABLE LIMITS (% BY VOLUME): Not Applicable
AUTOIGNITION TEMPERATURE: Not Applicable
DECOMPOSITION TEMPERATURE: >50° C

EXTINGUISHING MEDIA AND FIRE FIGHTING INSTRUCTION

Product is not flammable. If product is involved with other substances, use water, dry chemical or CO₂. Exercise caution when fighting fires involving chemical substances. Respiratory protection is required.

As in any fire, prevent human exposure to fire, smoke, fumes, or products of combustion. Evacuate nonessential personnel from the fire area. Fire fighters 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 spray, Dry chemicals, foam or carbon dioxide. If drums are NOT leaking, keep fire-exposed containers cool with a water spray to prevent rupture due to excessive heat. High-pressure water hoses may spread product from broken containers, increasing contamination or fire hazards. Contaminated buildings, 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. See Section 8 for PPE recommendations
- Dyke area to contain spill. Soak up pooled liquid with a suitable absorbent such as clay, sawdust, kitty litter, or fuller’s earth. Sweep up the absorbent 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 to 3 minutes then flush with water. Repeat if necessary. Do not discharge unless in accordance with Federal, State, and Local Regulations.

7. HANDLING AND STORAGE

Store product away from heat and heat sources. To maintain product quality, store at temperatures below 50° C. Keep container tightly closed when not in use.

8. PERSONAL PROTECTION

EYE PROTECTION REQUIREMENTS: Protective eye wear.

SKIN PROTECTION REQUIREMENTS: Coveralls worn over long-sleeved shirt and long pants, socks, chemical-resistant footwear and gloves.

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

RESPIRATOR REQUIREMENTS: Respiratory protection device.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light green to orange viscous liquid with little to no odor
BOILING POINT: N/A
MELTING POINT: N/A
VAPOR PRESSURE: N/A
SPECIFIC GRAVITY: 1.24 g/ml
VISCOSITY: 170 centistokes @ 20° C
PERCENT VOLATILE (BY WEIGHT): N/A
pH: 3.73 @ 1% w/w
SATURATION IN AIR (PERCENT BY VOLUME): Unknown
EVAPORATION RATE: Unknown
SOLUBILITY IN WATER: N/A

10. STABILITY AND REACTIVITY

STABILITY:..... Stable
POLYMERIZATION:..... Will not occur
INCOMPATIBLE MATERIALS: Strong acids, bases & oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, hydrogen bromide, hydrogen cyanide, and nitrogen oxides.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS (Product Specific)

ORAL TOXICITY: 1098 mg/kg
DERMAL TOXICITY: >5000 mg/kg
INHALATION TOXICITY: <2.03 mg/l
EYE IRRITATION: Severe and irreversible
SKIN IRRITATION: Dermal Irritant
SENSITIZATION: Not a sensitizer

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY (Active Ingredient)

DBDCB (neat->=98% a.i.) 1.75 mg/l	Rainbow trout (96- hour LC ₅₀)	DBNPA (neat->97% a.i.) 1.4 (AVG) mg/l
2.2 mg/l	Daphnia magna (48- hour LC ₅₀)	0.66 mg/l

13. DISPOSAL CONSIDERATION

PROHIBITIONS: Do not contaminate water, Food, or feed by storage or disposal.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If waste cannot be disposed of by use according to label instructions, contact your state Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by the state and local authorities.

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	NOT REGULATED	NOT REGULATED	NOT REGULATED	NOT REGULATED
Hazard Class	Not Restricted	Not Restricted	Not Restricted	Not Restricted
Packing Group	N/A	N/A	N/A	N/A
Subsidiary Class	N/A	N/A	N/A	N/A
UN/ID Number	N/A	N/A	N/A	N/A
Transport Label Required	N/A	N/A	N/A	N/A
Packing Instructions Passenger Cargo	N/A	N/A	N/A	N/A
Max. Net Quantity Passenger Cargo	N/A	N/A	N/A	N/A
DOT Hazardous Substances	N/A	N/A	N/A	N/A

15. REGULATORY INFORMATION

INVENTORY INFORMATION

US TSCA: The components of this product as FIFRA registered pesticides and are exempt from TSCA Regulation.

CANADA DSL: The components of this product do appear on the Canadian DSL

OTHER ENVIRONMENTAL INFORMATION

SARA 313: The following components are defined as toxic chemicals subject to reporting requirements of Section 313 of Title III and of 40 CFR (Part 372) or subject to other EPA regulations.

COMPONENT:	CAS#	AMOUNT
1,2-Dibromo-2,4-Dicyanobutane	35691-65-7	10%

COMPONENT:	CAS#	AMOUNT
2,2-Dibromo-3-nitrilopropionamide	10222-01-2	10%

SARA 311:

ACUTE Health Hazard

RCRA: In accordance with 40CFR261.20-14, it is the responsibility of the user of this product to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

16. OTHER INFORMATION

NFPA HAZARD RATING (NATIONAL FIRE PROTECTION ASSOCIATION)

FIRE:	0
HEALTH:	3
REACTIVITY:	0

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