

MATERIAL SAFETY DATA SHEET

SHARP CHEMICAL CO., INC.

FRANKLIN, N.C. 28734

PHONE: 704/369-7990

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PRODUCT NAME: FABRIGUARD

Effective Date: 03/20/88

Date Printed: 05/23/89

MSDS: 000433

1. INGREDIENTS: (% w/w, unless otherwise noted)

1-(3-Chloroallyl)-3,5,7-triaza-1-

azoniaadamantane

chloride

CAS# 004080-31-3 69%

Sodium bicarbonate

CAS# 000144-55-8 25%

Hexamethylenetetramine

hydrochloride

CAS# 058713-21-6 4%

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

2. PHYSICAL DATA:

BOILING POINT: Decomposes

VAP PRESS: (mmHg @ 20C) very low

VAP DENSITY: Not applic.

SOL. IN WATER: 20g/100g

SP. GRAVITY: Not applic.

APPEARANCE: Off-white powder.

ODOR: Slight amine-like odor.

3. FIRE AND EXPLOSION HAZARD DATA:

FLASH POINT: Not applic.

METHOD USED: Not applic.

FLAMMABLE LIMITS

LFL: Not applic.

UFL: Not applic.

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3. FIRE AND EXPLOSION HAZARD DATA: (CONTINUED)

EXTINGUISHING MEDIA: Water fog.

FIRE & EXPLOSION HAZARDS: At elevated temperatures such as fire, decomposition may take place with evolution of toxic flammable vapors. If decomposition takes place in a closed container, there is a possibility of violent rupture of container.

FIRE-FIGHTING EQUIPMENT: Use positive-pressure self-contained breathing apparatus if necessary to be in vapors.

4. REACTIVITY DATA:

STABILITY: (CONDITIONS TO AVOID) Avoid heat. Decomposes above 100C with evolution of heat and toxic, flammable vapors.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID) Water in small amounts (<10%) may reduce decomposition temperature by up to 20 degrees C.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

5. ENVIRONMENTAL AND DISPOSAL INFORMATION:

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up, using floor sweeping compound. Flush area with water. Avoid public water supplies.

DISPOSAL METHOD: Prohibitions - do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.
Pesticide disposal - wastes resulting from the use of this

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5. ENVIRONMENTAL AND DISPOSAL INFORMATION: (CONTINUED)

product may be disposed of on site or at an approved waste-disposal facility. Container disposal - completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by state and local authorities. Dispose of drum in the same manner. In disposal of any wastes, be certain all applicable federal, state, and local regulations are met.

6. HEALTH HAZARD DATA:

EYE: May cause slight eye irritation.

SKIN CONTACT: Prolonged or repeated exposure may cause skin irritation. May cause more severe response if skin is abraded (scratched or cut) or damp.

SKIN ABSORPTION: A single prolonged exposure may result in the material being absorbed in harmful amounts. The LD50 for skin absorption in rabbits is 2000 mg/kg. May rarely cause an allergic skin response.

INGESTION: Single dose oral toxicity is low. The oral LD50 for rats is in the 1000-2000 mg/kg range. Amounts ingested incidental to industrial handling are not likely to cause injury; however ingestion of larger amounts may cause injury.

INHALATION: Single exposure to dust is not likely to be hazardous.

SYSTEMIC & OTHER EFFECTS: Repeated oral doses of major component to laboratory animals caused liver effects. Major component has caused birth defects in laboratory animals administered relatively high oral doses but did not produce any effects

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8. HANDLING PRECAUTIONS: (CONTINUED)

SKIN PROTECTION: Wear clean, long-sleeved, body-covering clothing. Use impervious gloves when prolonged or frequently repeated contact could occur. Remove contaminated clothing no later than the end of the work period and clean before reuse.

EYE PROTECTION: Use safety glasses. If dust exposure causes eye irritation, use chemical goggles.

9. ADDITIONAL INFORMATION:

REGULATORY REQUIREMENTS:

SARA HAZARD CATEGORY: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

An immediate health hazard
A reactive hazard

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Avoid skin contact and ingestion. Wash hands and face well before eating or smoking. Do not permit food in work area. Avoid breathing dusts if generated. Store in cool, dry place below 140F, 60C. Reseal bag when not in use as material is hygroscopic. Do not store near flammables. Keep away from heat source.

MSDS STATUS: Revised Section 9.