

MATERIAL SAFETY DATA SHEET

Trans-1,4-Dibromo-2-butene

PART 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Trans-1,4-Dibromo-2-butene

Company Name: Shenzhen Honest Chem Chemical Co. Ltd

Add:20-402, District A, Nanyou, Nanshan, Shenzhen

Postcode: 518054

Company Telephone: 0755-26404303, 26404265

Fax: 0755-26404265

Document Number: Dec-2003-CSDS001

Date into Effect: 18/12/2003

Emergency Call: 0755-27237286

Website: <http://www.chemanswer.net>

Registered Code:

PART 2 - COMPOSITION, INFORMATION ON INGREDIENTS

CAS# 821-06-7

Chemical Name trans-1,4-Dibromo-2-butene

EINECS#: 212-472-7

Risk Phrases: 25 36/37/38

PART 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Irritating to eyes, respiratory system and skin. Light sensitive.

Potential Health Effects

Eye: Causes eye irritation.

Skin: Causes skin irritation.

Ingestion: Poison by ingestion.

Inhalation: Causes respiratory tract irritation.

Chronic: Not available.

PART 4 - FIRST AID MEASURES

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid immediately. Wash more out with water.

Inhalation: Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

PART 5 - FIRE FIGHTING MEASURES

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use water spray, dry chemical, or carbon dioxide.

PART 6 - ACCIDENTAL RELEASE MEASURES

General Information: Use proper personal protective equipment as indicated in Part 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

PART 7 – HANDLING and STORAGE

Handling: Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes.

Storage: Do not store in direct sunlight. Store in a tightly closed container. Store in a dry area. Keep refrigerated. (Store below 4°C/39°F.)

PART 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Personal Protective Equipment

Eyes: Wear chemical goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear a chemical apron.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

PART 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Crystals
Color:	white to beige
Odor:	Not available.
pH:	Not available.

Vapor Pressure: Not available.
Viscosity: Not available.
Boiling Point: 205 deg C @ 760.00mm Hg
Freezing/Melting Point: 48 - 53 deg C
Autoignition Temperature: Not available.
Flash Point: > 110 deg C (> 230.00 deg F)
Explosion Limits, lower: Not available.
Explosion Limits, upper: Not available.
Decomposition Temperature:
Solubility in water: slightly soluble
Specific Gravity/Density:
Molecular Formula: BrCH2CHCH2Br
Molecular Weight: 213.90

PART 10 - STABILITY AND REACTIVITY

Chemical Stability: Not available.

Conditions to Avoid: Incompatible materials.

Incompatibilities with Other Materials: Strong oxidizing agents, strong bases.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, hydrogen bromide.

Hazardous Polymerization: Has not been reported

PART 11 - TOXICOLOGICAL INFORMATION

RTECS#: CAS# 821-06-7: EM4725000

LD50/LC50: CAS# 821-06-7: Draize test, rabbit, skin: 500 mg Severe; Oral, mouse: LD50 = 29 mg/kg; Oral, rat: LD50 = 62 mg/kg.

Not available.

Carcinogenicity:

trans-1,4-Dibromo-2-butene -

Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

See actual entry in RTECS for complete information.

PART 12 - ECOLOGICAL INFORMATION

PART 13 - DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations.

PART 14 - TRANSPORT INFORMATION

IATA

Shipping Name: ORGANIC, N. O. S. *

Hazard Class: 6.1

UN Number: 2811

Packing Group: III

IMO

Shipping Name: ORGANIC, N. O. S.

Hazard Class: 6.1

UN Number: 2811

Packing Group: III

RID/ADR

Shipping Name: ORGANIC, N. O. S.

Hazard Class: 6.1

UN Number: 2811

Packing group: III

PART 15 REGULATORY INFORMATION

Regulations: Safety Regulation for Hazardous Chemicals

Detail Application Rules of Safety Regulation for Hazardous Chemicals

Rules of Using Chemical Safely at Working Spot

Class and Sign For Common Hazardous Chemicals (European Labeling in Accordance with EC Directives)

General Technique Conditions For Transportation and Packing Hazardous Goods (European Labeling in Accordance with EC Directives)

PART 16 OTHER INFORMATION

References: 1. Safety Management for Chemicals at Working Spot

2. Safety Handbook for Hazardous Goods

3. All-Round Book for Safety Technology Hazardous Chemicals

4. Register Regulation for Hazardous Chemicals

Writing Date: December, 2003