2 - Hazards Identification

ProductName

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT Not hazardous according to Directive 67/548/EEC.

3 - Composition/Information on Ingredients

Product Name CAS# EC no Annex I **TERBUTOL** None 1918-11-2 None

Formula C17H27NO2 Molecular Weight 277.45 AMU

4 - First Aid Measures

AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

AFTER SKIN CONTACT In case of contact, immediately wash skin with soap and copious

amounts of water.

AFTER EYE CONTACT In case of contact with eyes, flush with copious amounts of

water for at least 15 minutes. Assure adequate flushing by

separating the eyelids with fingers. Call a physician. AFTER INGESTION If swallowed, wash out mouth with water provided person is

conscious. Call a physician.

5 - Fire Fighting Measures

EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

SPECIAL RISKS

Specific Hazard(s): Emits toxic fumes under fire conditions.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6 - Accidental Release Measures PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

METHODS FOR CLEANING UP Sweep up, place in a bag and hold for waste disposal. Avoid

raising dust. Ventilate area and wash spill site after material pickup is complete.

7 - Handling and Storage **HANDLING** Directions for Safe Handling: Avoid inhalation. Avoid contact

with eyes, skin, and clothing. Avoid prolonged or repeated

exposure.

8 - Exposure Controls / Personal Protection

Conditions of Storage: Keep tightly closed.

ENGINEERING CONTROLS

Safety shower and eye bath. Mechanical exhaust required.

GENERAL HYGIENE MEASURES Wash thoroughly after handling.

PERSONAL PROTECTIVE EQUIPMENT Respiratory Protection: Use respirators and components tested and

approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where

protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Hand Protection: Protective gloves. Eye Protection: Chemical safety goggles. 9 - Physical and Chemical Properties

N/A

Physical State: Solid

At Temperature or Pressure

Color: White Form: Crystalline

Appearance

Explosive Properties

Property Value N/A pН

BP/BP Range N/AMP/MP Range 200.0 - 201.0 °C Flash Point N/AFlammability N/A Autoignition Temp N/AN/A Oxidizing Properties

Explosion Limits N/A Vapor Pressure N/APartition Coefficient N/A Viscosity N/A Vapor Density N/A Saturated Vapor Conc. N/A Evaporation Rate N/A**Bulk Density** N/A Decomposition Temp. N/A Solvent Content N/AWater Content N/ASurface Tension N/AConductivity N/AMiscellaneous Data N/A N/A Solubility 10 - Stability and Reactivity **STABILITY** Stable: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

11 - Toxicological Information

HAZARDOUS POLYMERIZATION Hazardous Polymerization: Will not occur

Materials to Avoid: Strong oxidizing agents.

ACUTE TOXICITY

Eye Contact: May cause eye irritation.

> 34600 mg/kgLD50

> 10250 mg/kgSIGNS AND SYMPTOMS OF EXPOSURE To the best of our knowledge, the chemical, physical, and

Skin Rat

LD50 Oral

ROUTE OF EXPOSURE Skin Contact: May cause skin irritation.

12 - Ecological Information

SUBSTANCE DISPOSAL

upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed.

toxicological properties have not been thoroughly investigated.

Skin Absorption: May be harmful if absorbed through the skin.

Inhalation: Material may be irritating to mucous membranes and

No data available. 13 - Disposal Considerations

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible

solvent and burn in a chemical incinerator equipped with an

afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14 - Transport Information RID/ADR Non-hazardous for road transport.

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15 - Regulatory Information Not hazardous according to Directive 67/548/EEC.

Caution: Substance not yet fully tested (EU). 16 - Other Information

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WARRANTY:

For R&D use only. Not for drug, household or other uses.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.