

Material Safety Data Sheet

N-(3-Chloropropyl)dibutylamine

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Common Name: N-(3-Chloropropyl)dibutylamine

Manufacturer: Shenyang NovPharm Technology Co., Ltd.

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SECTION 2 - HAZARD INFORMATION

Adverse Effects: N/A

Overdose Effects: N/A

Acute: Possible eye, skin, gastrointestinal and/or respiratory tract irritation.

Chronic: N/A

Medical Conditions Aggravated by Exposure: N/A

Cross Sensitivity: N/A

Target Organs:N/A

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Common Name: N-(3-Chloropropyl)dibutylamine

Molecular Formula: C₁₁H₂₄ClN

Chemical Name: N-(3-Chloropropyl)dibutylamine

CAS No.: 36421-15-5

Formula Weight: 205.77

Application: Pharmaceutical intermediate of Dronedarone which is an antiarrhythmic drug

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes. Seek medical advice.

Skin: Immediately wash skin with soap and copious amounts of water for at least 15 minutes. If irritation persists, seek medical attention.

Ingestion: If swallowed, wash out mouth with water, provided person is conscious. Seek medical

advice.

General First Aid Procedures: Remove and wash/dispose of contaminated clothing promptly.

SECTION 5 - FIREFIGHTING MEASURES

Extinguishing Media: Water spray, dry chemical, carbon dioxide or foam as appropriate for surrounding fire and materials.

Fire and Explosion Hazards: This material is assumed to be combustible. As with all dry powders it is advisable to ground mechanical equipment in contact with dry material to dissipate the potential buildup of static electricity.

Firefighting Procedures: As with all fires, evacuate personnel to a safe area. Firefighters should use self-contained breathing equipment and protective clothing.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Response: Wear approved respiratory protection, chemically compatible gloves and protective clothing. Wipe up spillage or collect spillage using a high efficiency vacuum cleaner. Avoid breathing dust. Place spillage in appropriately-labelled container for disposal. Wash spill site.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid all contact and inhalation of dust, mists, and/or vapors associated with the material. Wash thoroughly after handling.

Storage: Store in tight container in a cool dark place.

SECTION 8 - EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Controls: Engineering controls such as exhaust ventilation are recommended.

Respiratory Protection: Required when dusts are generated.

Gloves: Chemically compatible.

Eye Protection: Safety glasses or goggles.

Protective Clothing: Protect exposed skin.

Exposure Limits: N/A

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light yellow liquid

Odor Threshold: N/A

pH: N/A

Melting Range: N/A

Boiling Point: 253.2 °C at 760 mmHg

Flash Point: 106.9 °C

Solubility in Water: N/A

Fat Solubility: N/A

Other Solubility: N/A

Formula: C₁₁H₂₄ClN

Molecular Weight: 205.77

SECTION 10 - STABILITY AND REACTIVITY

Conditions to Avoid: N/A

Decomposition Products: N/A

Stable? Yes

Hazardous Polymerization? No

SECTION 11 - TOXICOLOGICAL PROPERTIES

Oral Rat: N/A

Oral Beagle-dogs: N/A

Other Toxicity Data: N/A

Irritancy Data: N/A

Corrosivity: N/A

Sensitization Data: N/A

Other Carcinogenicity Data: N/A

Mutagenicity Data: N/A

Reproductive and Developmental Effects: N/A

SECTION 12 - ECOLOGICAL INFORMATION

Ecological Information: Do not allow product to enter drinking water supplies, waste water or soil.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Dissolve or mix material with a suitable combustible solvent and incinerate in a chemical incinerator equipped with an afterburner and scrubber. Material should be disposed of in keeping with all local and national legislation. Packaging should be disposed of in keeping with all local and national legislation. Handle contaminated containers as product.

SECTION 14 - TRANSPORT INFORMATION

Shipping Name: N/A

Class: N/A

UN Number: N/A

Packing Group: N/A

SECTION 15 - REGULATORY INFORMATION

Regulatory Information: N/A

SECTION 16 - OTHER INFORMATION

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Shenyang NovPharm Technology Co., Ltd.

Stamp:
