



Wuhan Xinru Chemical Industry Co., Ltd

Add: Room 2805, North Fuxinhuiyu, Changqing Road, Wuhan, China 430015

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MATERIAL SAFETY DATA SHEET

【Product Name】 Hexadecyldimethylamine

【Synonyms】

Armeen DM16D
Bairdcat B16
Cetyldimethylamine
Dimethylcetylamine
N,N-Dimethylcetylamine
N,N-Dimethylhexadecylamine

【CAS】 112-69-6

【Formula】 C₁₈H₃₉N

【Molecular Weight】 269.51

【EINECS】 203-997-2

【RTECS】 MM0750000

【RTECS Class】 Drug

【Beilstein/Gmelin】 1755921

【Beilstein Reference】 4-04-00-00818

Physical and Chemical Properties

【Appearance】 A clear yellow colored liquid with a fishlike odor.

【Melting Point】 12

【Boiling Point】 138 (1 torr)

【Density】 0.79793 g/cm³ (25 C)

【Usage】 Used to make other chemicals.

【Refractive Index】 1.445 (23 C)



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First Aid Measures

【Ingestion】

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

【Inhalation】

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

【Skin】

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

【Eyes】

If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Handling and Storage

【Storage】

Keep in a cool, dry, dark location in a tightly sealed container or cylinder. Keep away from incompatible materials, ignition sources and untrained individuals. Secure and label area. Protect containers/cylinders from physical damage.

【Handling】

All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Untrained individuals should not handle this chemical or its container. Handling should occur in a chemical fume hood.

Exposure Controls/Personal Protection

【Personal Protection】

Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses. Where chemical resistant



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gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

【Respirators】

Use NIOSH/MSHA approved respirator appropriate for exposure of concern.

【Exposure Effects】

The toxicological properties of this material have not been investigated.

【Poison Class】 3

Fire Fighting Measures

【Fire Fighting】

Use water in flooding quantities as fog. Use foam, dry chemical, or carbon dioxide. Keep run-off water out of sewers and water sources.

Accidental Release Measures

【Small spills/leaks】

Keep sparks, flames, and other sources of ignition away. Keep material out of water sources and sewers. Build dikes to contain flow as necessary. Attempt to stop leak if without undue personnel hazard. Apply water spray or mist to knock down vapors. Land spill: Dig a pit, pond, lagoon, holding area to contain liquid or solid material. Dike surface flow using soil, sand bags, foamed polyurethane, or foamed concrete. Absorb bulk liquid with fly ash, cement powder, or commercial sorbents. Water spill: Use natural barriers or oil spill control booms to limit spill travel. Remove trapped material with suction hoses.

Stability and Reactivity

【Incompatibilities】

Incompatible with isocyanates, halogenated organics, peroxides, phenols (acidic), epoxides, anhydrides, and acid halides.

【Stability】

No data.