Product ID: (1R, 2S, 5R)-(−)-MENTHOL, M278-0
MSDS Date: 12/04/1987
FSC: 6810
NTIN: 000016662
MSDS Number: BLBSX

Responsible Party

Company Name: ALDRICH CHEMICAL COMPANY
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53201
Country: US
Info Phone Number: 414-273-3850
Emergency Phone Number: 414-273-3850
CAGE: 60928

Contractor Identification

Company Name: ALDRICH CHEMICAL CO INC
Address: 1001 WEST ST PAUL AVE
Box: 355
City: MILWAUKEE
State: WI
ZIP: 53233
Country: US
Phone: 414-273-3850
CAGE: 60928

Composition/Information on Ingredients

Ingred Name: (1R, 2S, 5R)-(−)-MENTHOL
CAS: 2216-51-5
RTECS #: OT0700000

Hazard Identification

LD50 LC50 Mixture: LD50: (ORAL RAT) 3300 MG/KG (SEE SUPP DATA)
Routes of Entry: Inhalation: YES Skin: YES Ingestion: YES
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: EYE: CAUSES SEVERE IRRITATION. SKIN MAY CAUSE IRRITATION. MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
Explanation of Carcinogenicity: NOT RELEVANT.
Effects of Overexposure: NONE SPECIFIED BY MANUFACTURER.
Medical Conditions Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid Measures

First Aid: EYE: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. SKIN: IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL MD. INGEST: CALL MD IMMEDIATELY. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Fire Fighting Measures

Flash Point: 200°F, 93°C
Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
Unusual Fire/Explosion Hazard: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

Accidental Release Measures

Spill Release Procedures: WEAR NIOSH/MSHA APPROVED SCBA, RUBBER BOOTS AND HEAVY RUBBER GLOVES. SWEEP UP AND PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL. AVOID RAISING DUST. VENT AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling and Storage


Handling and Storage Precautions: KEEP TIGHTLY CLOSED. STORE IN A COOL, DRY PLACE. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. USE ONLY IN A CHEMICAL FUME HOOD.
Other Precautions: AVOID CONTACT AND INHALATION. SEVERE IRRITANT AND EYE IRRITANT.

================= Exposure Controls/Personal Protection =================

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR.
Ventilation: CHEMICAL FUME HOOD.
Protective Gloves: RUBBER GLOVES.
Eye Protection: CHEM WORK GOG & FULL LENGTH FSHLD.
Other Protective Equipment: SAFETY SHOWER AND EYE BATH.
Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
LD50–LC50 MIX: LD50:(ORAL MOUSE) 5 MG/KG. LD50:(ORAL CAT) 800 MG/KG.

================= Physical/Chemical Properties =================

HCC: T6
Boiling Pt: B.P. Text: 414°F, 212°C
Melt/Freeze Pt: M.P./F.P. Text: 109°F, 43°C
Vapor Press: 0.8
Spec Gravity: 0.890

================ Stability and Reactivity Data =================

STRONG OXIDIZING AGENTS.
Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.
Hazardous Decomposition Products: TOXIC FUMES OF CO, CO₂.

================= Disposal Considerations =================

Waste Disposal Methods: DISSOLVE OR MIX WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

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