

ALDRICH CHEMICAL COMPANY -- (1R, 2S, 5R)-(-)-MENTHOL, M278-0 -- 6810-00N016662

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Product Identification  
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Product ID:(1R, 2S, 5R)-(-)-MENTHOL, M278-0  
MSDS Date:12/04/1987  
FSC:6810  
NIIN:00N016662  
MSDS Number: BLBSX  
=== Responsible Party ===  
Company Name:ALDRICH CHEMICAL COMPANY  
Box:355  
City:MILWAUKEE  
State:WI  
ZIP:53201  
Country:US  
Info Phone Num:414-273-3850  
Emergency Phone Num: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

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Composition/Information on Ingredients  
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Ingred Name:(1R,2S,5R)-(-)-MENTHOL  
CAS:2216-51-5  
RTECS #:OT0700000

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Hazards Identification  
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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 Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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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.

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Fire Fighting Measures  
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Flash Point:200F,93C  
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.

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Accidental Release Measures  
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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.

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Handling and Storage  
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===== 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.

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===== 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.

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

HCC:T6

Boiling Pt:B.P. Text:414F,212C

Melt/Freeze Pt:M.P/F.P Text:109F,43C

Vapor Pres:0.8

Spec Gravity:0.890

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

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC FUMES OF CO, CO\*2.

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===== 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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