

REAGENT ALCOHOL

MSDS Number

BCDLH

National Stock Number

6810-00K002583

Product Name

REAGENT ALCOHOL

Manufacturer

MALLINCKRODT INC SCIENCE PRODUCTS DIV

Product Identification

Product ID: REAGENT ALCOHOL

MSDS Date: 04/06/1989

FSC: 6810

NIIN: 00K002583

MSDS Number: BCDLH

Responsible Party

MALLINCKRODT INC SCIENCE PRODUCTS DIVISION

PARIS BYPASS

PARIS , KY 40361

US

Emergency Phone: 314-982-5000

Info Phone: 314-982-5000

Cage: 62910

Contractor

MALLINCKRODT SPECIALTY CHEMICALS CO

PHILLIPSBURG, NJ 08865

US

908-859-2151

Cage: 62910

Ingredients

ETHYL ALCOHOL (ETHANOL)

CAS: 64-17-5

RTECS: KQ6300000

Fraction By Weight: 90.0%

OSHA PEL1000 PPM

ACGIH TLV: 1000 PPM; 9192

METHYL ALCOHOL (METHANOL) (SARA III)

CAS: 67-56-1

RTECS: PC1400000

Fraction By Weight: 5.0%

OSHA PELS,200PPM/250STEL

ACGIH TLV: S,200PPM/250STEL; 93

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ISOPROPYL ALCOHOL (SARA III)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 5.0%

OSHA PEL400 PPM/500 STEL

ACGIH TLV: 400 PPM/500STEL;9192

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT)= 7060 MG/KG (ETHANOL)

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:IRRITATION TO MUCOUS MEMBRANES OF UPPER RESPIRATORY TRACT, CENTRAL NERVOUS SYSTEM DEPRESSION, GASTRITIS, INTOXICATION, BLINDNESS, DEATH, SKIN IRRITATION, CRACKING/FLAKING, EYE IRRITATION. CHRONIC EXPOSURE MAY CAUSE KIDNEY AND LIVER DAMAGE.CONTINUING INGESTION OF SMALL AMOUNTS COULD RESULT IN BLINDNESS.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS

CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.

Effects of Overexposure:UPPER RESPIRATORY TRACT IRRITATION, DROWSINESS, LOSS OF APPETITE, INABILITY TO CONCENTRATE, GASTRITIS, INTOXICATION, BLINDNESS, SKIN IRRITATION/CRACKING/FLAKING, EYE PAIN, BLURRED VISION.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED LIVER OR KIDNEY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS SUBSTANCE.

First Aid

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER AND STICKING FINGER DOWN THROAT. GET PHYSICIAN.

Fire Fighting

Flash Point:55.0F,12.8C

Autoignition Temp:Autoignition Temp Text:422C

Lower Limits:3.3 %

Upper Limits:19 %

Extinguishing Media:WATER SPRAY, DRY CHEMICAL, ALCOHOL FOAM, CARBON DIOXIDE.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS NOTED ABOVE. WATER MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE AND TO DILUTE.

Accidental Release

Spill Release Procedures:VENTILATE AREA OF LEAK/SPILL. REMOVE ALL SOURCES OF IGNITION. CLEANUP PERSONNEL SHOULD WEAR PROTECTIVE CLOTHING AND RESPIRATORY PROTECTION. CONTAIN AND RECOVER LIQUID. ABSORB WITH SAND, VERMICULITE, EARTH OR SIMILAR MATERIAL AND HOLD FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. STORE IN A COOL, DRY WELL-VENTILATED AREA, AWAY FROM FIRE HAZARDS. STORAGE AND USE AREAS SHOULD BE NON-SMOKING AREAS.
Other Precautions:CONTAINERS SHOULD BE BONDED AND GROUNDED FOR TRANSFERS TO AVOID STATIC SPARKS. USE NON-SPARKING TOOLS AND EQUIPEMNT.

Exposure Controls

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH RESPIRATOR SELECTION.
Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO MAINTAIN EXPOSURE LEVELS.
Protective Gloves:RECOMMENDED
Eye Protection:CHEMICAL SAFETY GOGGLES
Other Protective Equipment:CLEAN BODY-COVERING CLOTHING. MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA.
Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.
Supplemental Safety and Health
CONTACT LWNSES SHOULD NOT BE WORN WHEN WORKING WITH THIS MATERIAL.

Chemical Properties

HCC:F3
Boiling Pt:B.P. Text:172F,78C
Melt/Freeze Pt:M.P/F.P Text:-173F,-114C
Vapor Pres:50
Vapor Density:1.6
Spec Gravity:0.79
Evaporation Rate & Reference:1.4 (CCL4=1)
Solubility in Water:MISCIBLE
Appearance and Odor:CLEAR, COLORLESS LIQUID, CHARACTERISTIC ODOR

Stability

Stability Indicator/Materials to Avoid:YES
STRONG OXIDANTS, SILVER SALTS, HALOGEN HALIDES, ALKALI METALS, METAL HYDRIDES, HYDRAZINE
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES
Hazardous Decomposition Products:CAARBON MONOXIDE, CARBON DIOXIDE

Disposal

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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