

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- METHYL ALCOHOL -- 6810-00-292-9676

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Product Identification
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Product ID:METHYL ALCOHOL

MSDS Date:04/06/1989

FSC:6810

NIIN:00-292-9676

MSDS Number: BTKQR

=== Responsible Party ===

Company Name:MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION

Address:PARIS BYPASS

Box:M

City:PARIS

State:KY

ZIP:40361

Country:US

Info Phone Num:314-982-5000

Emergency P

hone Num:314-982-5000

CAGE:62910

=== Contractor Identification ===

Company Name:MALLINCKRODT SPECIALTY CHEMICALS CO

Address:222 RED SCHOOL LANE

Box:City:PHILLIPSBURG

State:NJ

ZIP:08865

Country:US

Phone:908-859-2151

CAGE:62910

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Composition/Information on Ingredients
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Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Other REC Limits:NONE

OSHA PEL:S,200PPM/250STEL

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

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

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Hazards Identification
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LD50 LC50 Mixture:LD50 ORAL RAT=5628MG/KG

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

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

Health Hazards Acute and Chronic:INHALATION-A SLIGHT IRRITANT TO THE MUCOUS MEMBRANES. TOXIC EFFECTS EXERTED UPON NERVOUS SYSTEM, PARTICULARLY THE OPTIC NERVE. INGESTION-TOXIC. SKIN-METHYL ALCOHOL IS A DEFATTING AGENT. EYE-IRRITANT. CONTINUED EXPOSURE CAN CAUSE E

YE LESIONS.

Effects of Overexposure:INHALATION-SYMPTOMS OF OVEREXPOSURE MAY INCLUDE HEADACHE, DROWSINESS, NAUSEA, VOMITING, BLURRED VISION, BLINDNESS, COMA, & DEATH. A PERSON CAN GET BETTER BUT THEN WORSE AGAIN UP TO 30 HOURS LATER. INGESTION-CAN INTOXICATE AND CAUSE BLINDNESS. SKIN-CAN CAUSE SKIN TO BECOME DRY AND CRACKED.

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 THE SUBSTANCE.

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First Aid Measures
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First Aid:INHALATION-REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE CPR. IF HARD TO BREATHE, GIVE OXYGEN. CALL PHYSICIAN. INGESTION-INDUCE VOMITING IMMEDIATELY BY GIVING TWO GLASSES OF WATER & STICKING FINGER DOWN THROAT. CALL A PHYSICIAN. SKIN-REMOVE ANY CLOTHING. WASH SKIN WITH SOAP & WATER FOR 15 MIN. EYE-WASH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN. GET MEDICAL ATTENTION IMMEDIATELY.

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Fire Fighting Measures
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Flash Point Method:CC

Flash Point:52.0F,11.1C

Autoignition Temp:Autoignition Temp Text:725F

Lower Limits:6.7

Upper Limits:36

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

Fire Fighting Procedures:IN THE EVENT OF A FIRE, WEAR FULL PROTECTIVE CLOTHING & NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN PRESSURE DEMAND MODE.

Unusu

al Fire/Explosion Hazard:ABOVE FLASH POINT, VAPOR-AIR MIXTURES ARE EXPLOSIVE WITHIN FLAMMABLE LIMITS NOTED ABOVE. MODERATE EXPLOSION HAZARD & DANGEROUS FIRE HAZARD WHEN EXPOSED TO HEAT.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE IGNITION SOURCES. VENTILATE AREA OF LEAK/SPILL. WEAR RESPIRATORY PROTECTION & PROTECTIVE CLOTHING. CONTAIN & RECOVER LIQUID WHEN POSSIBLE.

===== Handling and Storage =====

Handling and Storage Precautions:PROTECT AGAINST PHYSICAL DAMAGE. OUTSIDE OR DETACHED STORAGE PREFERRED. INSIDE STORAGE SHOULD BE FOR FLAMMABLE LIQUID. SEPARATE FROM OXIDIZING MATERIAL
Other Precautions:STORAGE & USE AREAS SHOULD BE NON-SMOKING. SPARKS-PROOF TOOLS & EXPLOSION-PROOF EQUIPMENT SHOULD BE USED IN THE STORAGE & HANDLING AREA.

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

Respiratory Protection:IF THE TLV IS EXCEEDED, WEAR A SUPPLIED AIR,
FULL FACEPIECE RESPIRATOR, AIRLINE HOOD, OR SELF-CONTAINED BREATHING APPARATUS.
Ventilation:A SYSTEM OF LOCAL AND/OR GENERAL EXHAUST IS RECOMMENDED TO KEEP EMPLOYEE EXPOSURE BELOW AIRBORNE EXPOSURE LIMITS.
Protective Gloves:RUBBER OR NEOPRENE.
Eye Protection:USE CHEMICAL SAFETY GOGGLES.
Other Protective Equipment:MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING. REMOVE LAUNDER CONTAMINATED CLOTHI
NG.
Supplemental Safety and Health
NONE

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

HCC:F5
Boiling Pt:=64.4C, 148.F
Melt/Freeze Pt:=-97.8C, -144.F
Vapor Pres:97
Vapor Density:1.1
Spec Gravity:0.8
Evaporation Rate & Reference:5.9 (BUTYL ACETATE=1)
Solubility in Water:MISCIBLE WITH WATER
Appearance and Odor:CLEAR, COLORLESS LIQUID, CHARACTERISTIC ODOR.

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

Stability Indicator/Materials to Avoid:YES
STR

ONG OXIZING AGENTS SUCH AS NITRATES, PERCHLORATES OR SULFURIC ACID.
WILL ATTACK SOME FORMS OF PLASTIC/RUBBER/COATINGS
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN
FLAMES.

Hazardous Decomposition Products:CARBON OXIDES AND FORMALDEHYDE MAY
FORM WHEN HEATED TO DECOMPOSITION.

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

Waste Disposal Methods:COLLECT AS HAZARDOUS WASTE AND ATOMIZE IN A
SUITABLE RCRA APPROVED COMBUSTION CHAMBER, OR ABSORB
WITH
VERMICULITE, DRY SAND OR EARTH FOR DISPOSAL AS HAZARDOUS WASTE IN A
RCRA APPROVED FACILITY. DO NOT FLUSH TO SEWER. RQ: 5000 LBS.

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