

MALLINCKRODT INC. SCIENCE PRODUCTS DIVISION -- GLYCEROL -- 6810-00-222-2636

=====  
Product Identification  
=====

Product ID:GLYCEROL

MSDS Date:03/13/1990

FSC:6810

NIIN:00-222-2636

MSDS Number: BDJYC

=== 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:800-354-2050(PRESS 3)/314-539-1600

E

mergency Phone Num:800-354-2050/314-982-5000

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

=====  
Composition/Information on Ingredients  
=====

Ingred Name:GLYCERIN (GLYCEROL)

CAS:56-81-5

RTECS #:MA8050000

Fraction by Wt: 100%

Other REC Limits:NONE SPECIFIED BY M.

OSHA PEL:15 MG/M3 (MIST)

ACGIH TLV:10 MG/M3 (MIST) 9394

=

==== Hazards Identification =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 12,600 MG/KG  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-INHALATION:IRRITATION OF NASAL  
AND RESPIRATORY SYSTEM. EYES/SKIN:IRRITATION.  
INGESTION:GASTROINTESTINAL IRRITATION. CHRONIC:CNS EFFECTS, LIVER  
AND KIDNEY DAMAGE.  
Effects of Overexposure:EYE/SKIN:IRRITATION. INHALATION:NASAL  
AND  
RESPIRATORY IRRITATION, COUGHING. INGESTION:NAUSEA, VOMITING &  
DIARRHEA.  
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN, KIDNEY AND LIVER  
DISORDERS MAY BE AGGRAVATED BY OVEREXPOSURE.

==== First Aid Measures =====

First Aid:SKIN:WASH AREA WITH SOAP AND WATER. REMOVE CONTAMINATED  
CLOTHING. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.  
SEE DOCTOR. INGESTION:GIVE 1-2 GLASSES OF WATER IF CONSCIOUS,  
INDUCE VOMITING  
. GET IMMEDIATE MEDICAL ATTENTION.  
INHALATION:REMOVE TO FRESH AIR, GIVE OXYGEN IF NEEDED, IF BREATHING  
STOPS, RESUSCITATE.

==== Fire Fighting Measures =====

Flash Point Method:CC  
Flash Point:=160.C, 320.F  
Autoignition Temp:=400.C, 752.F  
Lower Limits:0.9 %  
Extinguishing Media:WATER FOG, CARBON DIOXIDE OR DRY CHEMICAL.  
Fire Fighting Procedures:WEAR FULL PROTECTIVE GEAR AND SELF-CONTAINED  
BREATHING APPARATUS.WATER SPRAY OR FOG WILL HELP TO REDUCE FUMES  
AND IRRITATING GASES.  
Unusual Fire/Explosion Hazard:VAPOR-AIR MIXTURE ARE EXPLOSIVE ABOVE  
FLASH POINT.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. RECOVER LIQUID  
BY VACUUMING, OR ABSORB LIQUID ON VERMICULITE OR OTHER INERT  
ABSORBENT MATERIAL AND TRANSFER TO CONTAINER FOR DISPOSAL.  
Neutralizing Agent:NONE

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

Handling and Storage

Precautions:STORE IN A CLEAN, DRY, WELL VENTILATED  
AREA. STORE AWAY FROM IGNITION SOURCES.

Other Precautions:KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NONE NORMALLY REQUIRED. USE NIOSH APPROVED  
RESPIRATOR IF TLV/PEL EXCEEDED.

Ventilation:USE ADEQUATE MECHANICAL VENTILATION.

Protective Gloves:NITRILE RUBBER

Eye Protection:SAFETY GLASSES.

Other Protective Equipment:WEAR IMPERVIOUS CLOTHING TO PREVENT  
PROL

ONGED OR REPEATED CONTACT.

Work Hygienic Practices:PRACTICE GOOD PERSONAL HYGENE. DO NOT EAT,  
DRINK, SMOKE UNTIL HANDS ARE WASHED.

Supplemental Safety and Health

MSDS FROM MFR DATED 03 NOV,85 CONFORMS TO OSHA HAZ COM STD.

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

HCC:V5

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=290.C, 554.F

Melt/Freeze Pt:=18.C, 64.4F

Vapor Pres: