

FISHER SCIENTIFIC CO. CHEMICAL DIVISION -- G-33 GLYCERIN -- 6810-00-222-2636
===== Product Identification =====

Product ID:G-33 GLYCERIN
MSDS Date:02/01/1989
FSC:6810
NIIN:00-222-2636
MSDS Number: BDJXZ
=== Responsible Party ===
Company Name:FISHER SCIENTIFIC CO. CHEMICAL DIVISION
Address:1 REAGENT LANE
City:FAIR LAWN
State:NJ
ZIP:07410
Country:US
Info Phone Num:201-796-7100/800-424-9300(CHEMTREC
)
Emergency Phone Num:201-796-7100/201-796-7523
CAGE:1B464
=== Contractor Identification ===
Company Name:FISHER SCIENTIFIC CO. CHEMICAL MFG DIV
Address:1 REAGENT LANE
Box:City:FAIRLAWN
State:NJ
ZIP:07410-2802
Country:US
Phone:201-796-7100
CAGE:1B464

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

Ingred Name:GLYCERIN
CAS:56-81-5
RTECS #:MA8050000
Fraction by Wt: 99.9%
Other REC Limits:NONE SPECIFIED
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 (MIST) 9293

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==== Hazards Identification =====

LD50 LC50 Mixture:LD50 ORAL RAT IS 12600 MG/KG

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE: IN CASE OF EYE AND SKIN

CONTACT, IRRITATION, SKIN DEHYDRATION. NOT CONSIDERED AN INHALATION HAZARD. IF INGESTED, MAY CAUSE DIGESTIVE TRACT IRRITATION, MAY AFFECT CENTRAL NERVOUS SYSTEM AND KIDN EYS. CHRONIC: REPEATED OR PROLONGED CONT

ACT MAY CAUSE DERMATITIS.

Explanation of Carcinogenicity:NONE OF THE INGREDIENTS IN THIS PRODUCT IS LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.

Effects of Overexposure:EYES: STRONG STINGING AND BURNING. SKIN: MILD IRRITATION AND REDNESS. INHALATION: MUCOUS MEMBRANE IRRITATION. INGESTION: HEADACHE, NAUSEA, VOMITING, MAY ALSO INCLUDE DIGESTIVE IRRITATION, INSOMNIA, DI ZZINESS, DIARRHEA, FEVER.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES: FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEE DOCTOR. SKIN: WASH WITH MILD SOAP AND WATER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. SEE DOCTOR. INHALATION : REMOVE VICTIM TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. INGESTION: INDUCE VOMITING. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR. GASTRIC LAVAGE SHOULD BE PERFORMED BY MEDICAL PERSONNEL.

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= Fire Fighting Measures =====

Flash Point Method:CC

Flash Point:=160.C, 320.F

Autoignition Temp:=370.C, 698.F

Lower Limits:0.9

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, ALCOHOL FOAM, HALON OR DRY CHEMICAL. WATER OR FOAM MAY CAUSE FROTHING.

Fire Fighting Procedures:WEAR PROTECTIVE EQUIPMENT AND SCBA.KEEP UPWIND.MOVE CONTAINER FROM FIRE AREA IF POSSIBLE.DO NOT USE WATER STREAM.COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMB

USTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:REMOVE PERSONNEL. ELIMINATE IGNITION SOURCES.
VENTILATE AREA. WEAR PROTECTIVE CLOTHING AND EQUIPMENT. ABSORB IN
INERT MATERIAL AND PLACE IN APPROPRIATE DISPOSAL CONTAINER AND
COVER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.

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

Handling and Sto

rage Precautions:STORE IN COOL, DRY, WELL VENTILATED
AREA. PROTECT FROM PHYSICAL DAMAGE, HEAT, IGNITION SOURCES AND
INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:AVOID EYE AND SKIN CONTACT. DO NOT BREATHE VAPORS.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED
RESPIRATOR OR SCBA AS APPROPRIATE FOR EXPOSURE OF CONCERN.

Ventilation:MECHANICAL (GENERAL) VENTILATION TO KEEP EXPOSUR
E LEVELS
BELOW PEL.

Protective Gloves:RUBBER GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES.

Other Protective Equipment:PROTECTIVE CLOTHING AS REQUIRED TO MINIMIZE
EXPOSURE FROM PROLONGED OR REPEATED CONTACT. EYE BATH AND SAFETY
SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE
EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health
NONE.

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

HCC:V5

NRC/State Lic

Num:NOT RELEVANT

Boiling Pt:=290.C, 554.F

Melt/Freeze Pt:=20.C, 68.F

Vapor Pres: