

HARCROS CHEMICALS INC. -- 11024 PROPYLENE GLYCOL USP

MSDS Safety Information

MSDS Date: 05/31/1996
MSDS Num: CJGXR
Product ID: 11024 PROPYLENE GLYCOL USP
MFN: 01
Responsible Party
Cage: 3H606
Name: HARCROS CHEMICALS INC.
Address: 5200-SPEAKER ROAD
Box: 2383
City: KANSAS CITY KS 66106-1095
Info Phone Number: 913-321-3131
Emergency Phone Number: 913-321-3131
Chemtrec IND/Phone: (800)424-9300
Review Ind: Y
Published: Y

Contractor Summary

Cage: 3H606
Name: HARCROS CHEMICALS INC.
Address: 5200-SPEAKER ROAD
Box: 2383
City: KANSAS CITY KS 66106-1095
Phone: 913-321-3131

Ingredients

Cas: 57-55-6
RTECS #: TY2000000
Name: PROPYLENE GLYCOL 1,2-PROPANEDIOL
Percent by Wt: 100.

Health Hazards Data

Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: YES
Effects of Exposure: EYES/SKIN: MAY CAUSE IRRITATION. INHALATION: IRRITATION.
OVEREXPOSURE MAY CAUSE ADVERSELY AFFECTS TO FUNCTIONS & ORGANS.
Signs And Symptions Of Overexposure: IRRITATION, REDNESS, DEFATTING, HEADACHE,
NAUSEA, DROWSINESS, DIARRHEA
First Aid: EYES/SKIN: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR 15 MINS.
INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NECESSARY. INGESTION:
DON'T INDUCE VOMITING. RINSE MOUTH W/WATER. DILUTE STOMACH CONTENT S BY
DRINKING WATER. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO
PREVENT BREATHING VOMIT INTO LUNGS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

Handling and Disposal

Spill Release Procedures: SWEEP, SHOVEL/PICK UP/CONTAIN & RETURN TO DRY,
CLEAN CONTAINER. FLUSH AREA W/WATER.
Waste Disposal Methods: MATERIAL THAT CANNOT BE USED/CHEMICALLY REPROCESSED
SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IAW/ANY APPLICABLE REGULATIONS
UNDER THE RESOURCE CONSERVATION & RECOVERY ACT. DISPOSE OF IN ACCORDANC E
W/LOCAL, STATE & FEDERAL REGULATIONS.
Handling And Storage Precautions: KEEP CONTAINER CLOSED WHEN NOT IN USE. STORE
IN A COOL, DRY PLACE. STORE IAW/NFPA REQUIREMENTS. KEEP OUT OF REACH OF
CHILDREN. USE ONLY W/ADEQUATE VENTILATION. WEAR PROTECTIVE CLOTHING WHEN
HANDLING.
Other Precautions: DON'T GET IN EYES. DON'T BREATHE VAPOR/MIST. DON'T SWALLOW.
THIS CONTAINER HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINER CONTAINS
PRODUCT RESIDUES; VAPOR/LIQUID, ALL LABELED HAZARD PRECAUTIONS MUST BE
OBSERVED.

Fire and Explosion Hazard Information

Flash Point Method: TCC
Flash Point: >101.1C, 214.F
Lower Limits: 2.6
Upper Limits: 12.5
Extinguishing Media: WATER SPRAY, DRY CHEMICAL, FOAM, CO2
Fire Fighting Procedures: PREVENT HUMAN EXPOSURE TO FIRE, FUMES, SMOKE &
PRODUCTS OF COMBUSTION. EVACUATE NON-ESSENTIAL PERSONNEL. WEAR FULL FACE SELF
CONTAINED BREATHING APPARATUS & IMPERVIOUS PROTECTIVE CLOTHING.
WATER/FOAM MAY CAUSE FROTHING. USE WATER TO COOL CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazard: VAPOR MAY TRAVEL A CONSIDERABLE DISTANCE TO A

SOURCE OF IGNITION & FLASHBACK.

Control Measures

Respiratory Protection: IF EXPOSURE LIMITS ARE EXCEEDED/IF EXPOSURE MAY OCCUR, USE A NIOSH/MSHA RESPIRATOR APPROVED FOR YOUR CONDITIONS OF EXPOSURE & IN COMPLIANCE W/OSHA REQUIREMENTS IN 29 CFR 1910.134. FOR EMERGENCIES, A NIOSH/MSHA APPROVED POSITIVE PRESSURE BREATHING APPARATUS SHOULD BE READILY AVAILABLE.

Ventilation: ADEQUATE IS REQUIRED TO MINIMIZE EXPOSURE/TO MAINTAIN EXPOSURE LEVELS BELOW OSHA/ACGIH REQUIREMENTS.

Protective Gloves: IMPERVIOUS

Eye Protection: CHEMICAL GOGGLES

Other Protective Equipment: CLEAN BODY COVERING, SAFETY SHOWER, EYE WASH FOUNTAIN, WASHING FACILITIES.

Work Hygienic Practices: REMOVE/LAUNDER CONTAMINATED CLOTHING & SHOES BEFORE REUSE.

Supplemental Safety and Health: ALWAYS WEAR EYE PROTECTION WHEN WORKING W/CHEMICALS. DON'T WEAR CONTACT LENSES WHEN WORKING W/CHEMICALS.

Physical/Chemical Properties

Boiling Point: >185.C, 365.F

Melt/Freeze Pt: =-60.C, -76.F

Vapor Pres: <0.1

Vapor Density: > 2.6

Spec Gravity: > 1.0380

PH: > 6

Solubility in Water: COMPLETE

Appearance and Odor: COLORLESS TO LIGHTLY COLORED LIQUID W/MILD ODOR

Reactivity Data

Stability Indicator: YES

Materials To Avoid: NONE

Hazardous Decomposition Products: CO, CO2, MISCELLANEOUS ORGANIC COMPOUNDS, SOME POSSIBLY TOXIC.

Hazardous Polymerization Indicator: NO

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information

Other Information

Other Information: THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM SOURCES BELIEVED TO BE RELIABLE. HARCROS CHEMICAL INC PROVIDES NO WARRANTIES, EITHER EXPRESSED/IMPLIED & ASSUMES NO RESPONSIBILITY FOR THE ACCURACY/COMPLETENESS OF THE DATA CONTAINED HEREIN. THIS INFORMATION IS OFFERED FOR YOUR INFORMATION, CONSIDERATION & INVESTIGATION. YOU SHOULD SATISFY YOURSELF THAT YOU HAVE ALL CURRENT DATA RELEVANT TO YOUR PARTICULAR USE. HARCROS CHEMICAL INC KNOWS OF NO MEDICAL CONDITION, OTHER THAN THOSE NOTED ON THIS MATERIAL SAFETY DATA SHEET, WHICH ARE GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

HAZCOM Label

Product ID: 11024 PROPYLENE GLYCOL USP

Cage: 3H606

Company Name: HARCROS CHEMICALS INC.

Street: 5200-SPEAKER ROAD

PO Box: 2383

City: KANSAS CITY KS

Zipcode: 66106-1095

Health Emergency Phone: 913-321-3131

Label Required IND: Y

Date Of Label Review: 06/29/1999

Status Code: A

Origination Code: G

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied

warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.