

MATERIAL SAFETY DATA SHEET

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SECTION 1. ----- CHEMICAL IDENTIFICATION-----

CODE#: 0575
NAME: PROPYLENE GLYCOL

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CHEMICAL NAME:	CAS#:	RTECS #:	%:
PROPYLENE GLYCOL	57-55-6	TY2000000	>98.0

FOR MORE INFORMATION SEE COMPLETE RTECS ENTRY.

MF: C3H8O2
EC NO: 200-338-0

SYNONYMS

1,2-DIHYDROXYPROPANE * DOWFROST * METHYLETHYLENE GLYCOL *
MONOPROPYLENE GLYCOL * PG 12 * PROPANE-1,2-DIOL * PROPYLENE GLYCOL
USP * ALPHA-PROPYLENEGLYCOL * 1,2-PROPYLENE GLYCOL * 1,2-
PROPYLENGLYKOL (GERMAN) * SIRLENE * SOLARGARD P * SOLAR WINTER BAN *
UCAR 35 *

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENT

MAY BE IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF
WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING.

CAUTION: THE TOXOLOGICAL PROPERTIES OF THIS CHEMICAL HAVE NOT BEEN
THOROUGHLY INVESTIGATED.

SECTION 4. ----- FIRST-AID MEASURES-----

FLUSH SKIN WITH WATER.
CONTAMINATION OF THE EYES SHOULD BE TREATED BY IMMEDIATE AND PROLONGED
IRRIGATION WITH COPIOUS AMOUNTS OF WATER.
IF INHALED, REMOVE TO FRESH AIR.
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO
PREVENT CONTACT WITH SKIN AND EYES.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY
RUBBER GLOVES.

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR
DISPOSAL.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. ----- HANDLING AND STORAGE-----

REFER TO SECTION 8.
SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -
CHEMICAL SAFETY GOGGLES.
USE PROTECTIVE CLOTHING, GLOVES AND MASK.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE VAPOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -
APPEARANCE AND ODOR
LIQUID.

SECTION 10. - - - - - STABILITY AND REACTIVITY - - - - -
INCOMPATIBILITIES
ACID CHLORIDES
ACID ANHYDRIDES
OXIDIZING AGENTS
CHLOROFORMATES
REDUCING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -
ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
MAY CAUSE EYE IRRITATION.
MAY CAUSE SKIN IRRITATION.
EXPOSURE CAN CAUSE:
GASTROINTESTINAL DISTURBANCES
NAUSEA, HEADACHE AND VOMITING
CNS DEPRESSION
RTECS #: TY2000000
1,2-PROPANEDIOL

IRRITATION DATA

SKN-HMN 500 MG/7D MLD	JIDEAE 55,190,1970
SKN-HMN 104 MG/3D-I MOD	85DKA8 -,127,1977
SKN-MAN 10%/2D	JIDEAE 19,423,1952
EYE-RBT 100 MG MLD	FCTOD7 20,573,1982
EYE-RBT 500 MG/24H MLD	85JCAE -,206,1986

TOXICITY DATA

ORL-RAT LD50:20 GM/KG	TXAPA9 45,362,1978
IPR-RAT LD50:6660 MG/KG	KRKRDT 9,36,1981
SCU-RAT LD50:22500 MG/KG	IAEC** 17JUN1974
IVN-RAT LD50:6423 MG/KG	ARZNAD 26,1581,1976
IMS-RAT LD50:14 GM/KG	IAEC** 17JUN1974
ORL-MUS LD50:22 GM/KG	JPETAB 65,89,1939
IPR-MUS LD50:9718 MG/KG	FEPRA7 6,342,1947
SCU-MUS LD50:17370 MG/KG	KRKRDT 8,46,1981
IVN-MUS LD50:6630 MG/KG	ARZNAD 26,1581,1976
ORL-DOG LD50:22 GM/KG	JIHTAB 21,173,1939
IVN-DOG LD50:26 GM/KG	NTIS** PB280-477
ORL-RBT LD50:18500 MG/KG	FAONAU 53A,491,1974
SKN-RBT LD50:20800 MG/KG	NPIRI* 1,101,1974

IVN-RBT LD50:6500 MG/KG NTIS** PB280-477
ORL-GPG LD50:18350 MG/KG JIHTAB 23,259,1941
ORL-QAL LD50:>2080 MG/KG EESADV 6,149,1982

TARGET ORGAN DATA

EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY)
EFFECTS ON EMBRYO OR FETUS (FETOTOXICITY)
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
COMPLETE INFORMATION.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

NOT REGULATED.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION

R: N/A

S: N/A

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION

FEREAC 54,7740,1989

NOHS 1974: HZD 63525; NIS 323; TNF 83144; NOS 224; TNE 1494465

NOES 1983: HZD 63525; NIS 347; TNF 92966; NOS 244; TNE 2238429; TFE
936584

EPA GENETOX PROGRAM 1988, NEGATIVE: SHE-CLONAL ASSAY

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
ON EPA IRIS DATABASE

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1997

SECTION 16. ----- OTHER INFORMATION -----

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