Material Safety Data Sheet

Section 1. Chemical Identification

Catalog #: 283290
Name: Propylene Glycol Methyl Ether Acetate, 99%

Section 2. Composition/Informatio n on Ingredients

CAS #: 108-65-6
MF: C₆H₁₂O₃
EC No: 203-603-9
Synonyms:
- DOWANOL (R) PMA GLYCOL ETHER ACETATE
- *1-METHOXY-2-ACETOXYPROPANE *
- PGMEA *
- 2-PROPANOL, 1-METHOXY-, ACETATE (9CI) *
- PROPYLENEGLYCOL MONOMETHYL ETHER ACETATE *

Section 3. Hazards Identification

Label Precautionary Statements
- Combustible (USA)
- Flammable (EU)
- Irritant
- May form explosive peroxides.
- Irritating to eyes, respiratory system and skin.
- Target Organ(s):
  - Liver
  - Kidneys
- Keep away from sources of ignition - no smoking.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing.

Section 4. First-Aid Measures

If swallowed, wash out mouth with water provided person is conscious. Call a physician.
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.
In case of contact, immediately wash skin with soap and copious amounts of water.
In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

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.

Unusual Fire and Explosions Hazards
- Flammable liquid.
- Emits toxic fumes under fire conditions.
- Vapor may travel considerable distance to source of ignition and flash back.
- Container explosion may occur under fire conditions.

Section 6. Accidental Release Measures

- Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves.
- Cover with dry-lime, sand, or soda ash. Place in covered containers using non-sparking tools and transport outdoors.
- Ventilate area and wash spill site after material pickup is complete.
EVACUATE AREA.
SHUT OFF ALL SOURCES OF IGNITION.

SECTION 7. - - - - - - - - - - HANDLING AND STORAGE- - - - - - - - - -
REFER TO SECTION 8.

SECTION 8. - - - - - - EXPOSURE CONTROLS/PERSOAl PROTECTION- - - - - -
SAFETY SHOWER AND EYE BATH.
USE NONSPARKING TOOLS.
MECHANICAL EXHAUST REQUIRED.
WASH THOROUGHLY AFTER HANDLING.
WASH CONTAMINATED CLOTHING BEFORE REUSE.
AVOID BREATHING VAPOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
NIOSH/MSHA-APPROVED RESPIRATOR.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.
KEEP CONTAINER CLOSED.
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.
STORE IN A COOL DRY PLACE.
MOIST MATERIAL OXIDIZES EXOTHERMICALLY IN AIR REACHING IGNITION TEMPERATURE. EXOTHERMIC REACTION WITH LITHIUM INITIATES AT 260 C AND RAPIDLY RISES TO 960 C.

SECTION 9. - - - - - - PHYSICAL AND CHEMICAL PROPERTIES- - - - - -
APPEARANCE AND ODOR
COLORLESS LIQUID
PHYSICAL PROPERTIES
BOILING POINT: 145 C TO 146 C
FLASHPOINT 110 F
43C
EXPLOSION LIMITS IN AIR:
UPPER 13.1%
LOWER 1.3%
AUTOIGNITION TEMPERATURE: 669 F 353C
VAPOR PRESSURE: 3.7MM 20 C
SPECIFIC GRAVITY: 0.968

SECTION 10. - - - - - - - - STABILITY AND REACTIVITY - - - - - - - -
STABILITY
STABLE.
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
STRONG ACIDS
STRONG BASES
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
CARBON MONOXIDE, CARBON DIOXIDE
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - - -
ACUTE EFFECTS
CAUSES SKIN IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.
CAUSES EYE IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
MAY BE HARMFUL IF INHALED.
MAY BE HARMFUL IF SWALLOWED.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

CHRONIC EFFECTS
TARGET ORGAN(S):
LIVER
KIDNEYS
RTECS #: A18925000
ACETIC ACID, 2-METHOXY-1-METHYLETHYL ESTER
TOXICITY DATA
ORL-RAT LD50:8532 MG/KG DOWCC* MSD-1582
IPR-MUS LD50:750 MG/KG NTIS** AD691-490
SRN-RBT LD50:>5 GM/KG DOWCC* MSD-1582
ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBstances (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR
EC INDEX NO: 607-195-00-7

FLAMMABLE
IRRITANT
R 10
FLAMMABLE.
R 36
IRRITATING TO EYES.
S 23
DO NOT BREATHE FUMES.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK
OEL-AUSTRIA: MAK 50 PPM (275 MG/M3), JAN1999
OEL-DENMARK: TWA 50 PPM (270 MG/M3), JAN1999
OEL-SWEDEN: NGV 50 PPM (230 MG/M3), KTV 75 PPM (350 MG/M3, SKIN, JAN1999
NOES 1983: HZD X9258; NIS 178; TNF 30459; NOS 109; TNE 345446; TFE 40133

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY
EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES
EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, OCTOBER 2000

U.S. INFORMATION

THIS PRODUCT IS SUBJECT TO SARA SECTION 313 REPORTING REQUIREMENTS.

SECTION 16. OTHER INFORMATION

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