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EASTMAN

REC'D DEC 24 2003

MATERIAL SAFETY DATA SHEET

Revision Date: 08/01/2003
MSDSUSA/ANSI/EN/15000000148/Version 5.0

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	Texanol(TM) Ester Alcohol
Product Identification Number(s)	P0210413
Manufacturer/Supplier	Eastman Chemical Company Eastman Road Kingsport, TN 37662 US
MSDS Prepared by	Eastman Product Safety and Health
Chemical Name	2,2,4-trimethyl-1,3-pentanediol mono(2-methylpropanoate)
Synonym(s)	000701
Molecular Formula	C ₁₂ H ₂₄ O ₃
Molecular Weight	216.32
Product Use	coalescing agent for emulsions
OSHA Status	nonhazardous

For emergency health, safety & environmental information, call 800-EASTMAN.

For emergency transportation information, call CHEMTREC at 800-424-9300 or call 800-EASTMAN.

2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis can be provided.)

Weight %	Component	CAS Registry No.
100>=0 - <=0%	2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4

3. HAZARDS IDENTIFICATION

LOW HAZARD FOR USUAL INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONNEL

HMIS® Hazard Ratings: Health - 1, Flammability -1, Chemical Reactivity - 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. FIRST-AID MEASURES

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Eyes: Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms persist.

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Skin: Wash with soap and water. Get medical attention if symptoms occur.

Ingestion: Seek medical advice.

5. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, dry chemical, carbon dioxide, foam

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: none

6. ACCIDENTAL RELEASE MEASURES

Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

For Large Spills: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams.

7. HANDLING AND STORAGE

Personal Precautionary Measures: No special precautionary health measures should be needed under anticipated conditions of use.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials.

Storage: Keep container closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, evaporation from large surfaces, spraying, heating, etc.

Respiratory Protection: If engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: organic vapor

Eye Protection: It is a good industrial hygiene practice to minimize eye contact.

Skin Protection: It is a good industrial hygiene practice to minimize skin contact.

Recommended Decontamination Facilities: eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: liquid

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Color: colorless

Odor: mild

Specific Gravity: 0.95 (20 °C)

Vapor Pressure: 20 °C; 0.013 mbar

Vapor Density: 7.5

Freezing Point: -50 °C

Boiling Point: 255 - 260.5 °C

Evaporation Rate: 0.002 (n-butyl acetate = 1)

Viscosity: 13.5 mPa.s (20 °C)

Solubility in Water: 858 mg/l

Octanol/Water Partition Coefficient: P: 2,951; log P: 3.47

Flash Point: 120 °C (Cleveland open cup)

Autoignition Temperature: 393 °C (ASTM D2155)

Thermal Decomposition Temperature: 255 °C (DTA) (highest temperature tested; no exotherm observed)

10. STABILITY AND REACTIVITY

Stability:

Stable.

Incompatibility:

Material reacts with strong oxidizing agents.

Hazardous Polymerization:

Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Oral LD-50:(rat)	6,517 mg/kg
Oral LD-50:(male mouse)	1,600 - 3,200 mg/kg
Inhalation LC-50: (rat)	6 h: >3.55 mg/l (lowest concentration tested)
Dermal LD-50: (guinea pig)	> 19,000 mg/kg (highest dose tested)
Dermal LD-50: (rabbit)	> 15,200 mg/kg (highest dose tested)
Skin Irritation (guinea pig)	slight
Eye Irritation (rabbit, unwashed eyes)	slight to moderate
Eye Irritation (rabbit, washed eyes)	slight
Skin Sensitization: (guinea pig)	none

12. ECOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

Oxygen Demand Data:

BOD-5 and BOD-20 were not determined because the aqueous solubility of the test article was below that which is required for these tests.

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COD: 2.2 g/g
ThBOD: 2.4 g/g

Acute Aquatic Effects Data:

96 h LC-50 (fathead minnow): 33 mg/l NOEC: 16 mg/l
96 h LC-50 (sideswimmer): > 95 mg/l (highest concentration tested)
48 h EC-50 (daphnid): 147.8 mg/l NOEC: 28.4 mg/l
96 h LC-50 (pill bug): > 95 mg/l (highest concentration tested)
96 h LC-50 (flatworm): 38 mg/l NOEC: 9.5 mg/l
96 h LC-50 (aquatic earthworm): 30.4 mg/l NOEC: 9.5 mg/l
96 h LC-50 (ramshorn snail): > 95 mg/l (highest concentration tested)
72 h EC-50 (Selenastrum capricornutum): 18.4 mg/l

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

14. TRANSPORT INFORMATION

Marine pollutant components: none unless listed below

DOT (USA): Class not regulated

ICAO Status: Class not regulated

IMDG Status: Class not regulated

15. REGULATORY INFORMATION

WHMIS (Canada) Status: noncontrolled

SARA 313: none, unless listed below

Carcinogenicity Classification (components present at 0.1% or more): none, unless listed below

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

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DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS.

EINECS Number: 246-771-9

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All components of this product are listed on AICS or otherwise comply with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

16. OTHER INFORMATION

Visit our website at www.EASTMAN.com or call 001-423-229-2000.

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.

Highlighted areas indicate new or changed information.