

Eastman Texanol(TM) Ester Alcohol

Version Revision Date: SDS Number: Date of last issue: -
2.1 02/24/2017 150000000148 Date of first issue: 09/06/2016
SDSUS / PRD / 0001

SECTION 1. IDENTIFICATION

Product name : Eastman Texanol(TM) Ester Alcohol

Product code : EAN 000701. 02104-00, P0210401, P0210404, P0210406, P021040A, P0210410, P0210412, P0210415, P0210416, P02104E1, P02104E2, P0210402, P0210413, E02104D1, P0210417, P0210418, P0210414, P0210419, P0210420, P0210421

Manufacturer or supplier's details

Company name of supplier : Eastman Chemical Company

Address : 200 South Wilcox Drive
Kingsport TN 37660-5280

Telephone : (423) 229-2000

Emergency telephone : CHEMTREC: +1-800-424-9300, +1-703-527-3887 CCN7321

Recommended use of the chemical and restrictions on use

Recommended use : Coalescing agent for emulsions

Restrictions on use : None known.

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Not a hazardous substance or mixture.

GHS label elements

Not a hazardous substance or mixture.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical name	CAS-No.	Concentration (% w/w)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	100

SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.
Treat symptomatically.
If symptoms persist, call a physician.

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In case of skin contact	: Wash off with soap and water. If symptoms persist, call a physician.
In case of eye contact	: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
If swallowed	: Seek medical advice.
Most important symptoms and effects, both acute and delayed	: None known.
Notes to physician	: Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	: Water spray Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.
Specific hazards during fire fighting	: None known.
Further information	: None known.
Special protective equipment for fire-fighters	: Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment. Local authorities should be advised if significant spillages cannot be contained.
Environmental precautions	: Avoid release to the environment.
Methods and materials for containment and cleaning up	: Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Wash thoroughly after handling. Use only in area provided with appropriate exhaust ventilation.
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Conditions for safe storage : Keep tightly closed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering measures : Ensure adequate ventilation.

Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection

Remarks : Wear suitable gloves.

Eye protection : Safety glasses

Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : colorless

Odor : slight

Melting point/freezing point : < -70.25 °C

Boiling point/boiling range : 255 - 261.5 °C
(102.4 kPa)

Flash point : 122 °C
Method: Seta closed cup

Flammability (solid, gas) : Not applicable

Vapor pressure : 1.3 Pa (20 °C)

Relative vapor density : 7.5

Relative density : 0.9464 (20 °C)

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Solubility(ies)	
Water solubility	: 0.5 - 3.79 g/l (25 °C)
Partition coefficient: n-octanol/water	: log Pow: 2.34 - 3.2 (25 °C)
Viscosity	
Viscosity, dynamic	: 12.9 mPa.s (25 °C)
Viscosity, kinematic	: 13.6 mm2/s (25 °C)
Explosive properties	: Not classified
Oxidizing properties	: Not classified
Surface tension	: 28.6 mN/m, 22 °C

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Stable
Conditions to avoid	: None known.
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: Carbon monoxide Carbon dioxide (CO2)

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Acute oral toxicity	: LD50 Oral (Rat): 6,500 mg/kg
Acute inhalation toxicity	: LC50 (Rat): > 3.55 mg/l Exposure time: 6 h Remarks: (highest concentration tested)
Acute dermal toxicity	: LD50 Dermal (Rabbit): > 15,200 mg/kg

Skin corrosion/irritation

Not classified based on available information.

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Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Species: Rabbit
Exposure time: 4 h
Result: slight

Serious eye damage/eye irritation

Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Species: Rabbit
Result: slight

Respiratory or skin sensitization

Skin sensitization: Not classified based on available information.
Respiratory sensitization: Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Test Type: Skin Sensitization
Species: Guinea pig
Result: non-sensitizing

Germ cell mutagenicity

Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Genotoxicity in vitro	: Test Type: Mutagenicity - Bacterial Metabolic activation: +/- activation Result: negative
	: Test Type: Chromosome aberration test in vitro Metabolic activation: +/- activation Result: negative Remarks: Read-across from a similar material
	: Test Type: Mutagenicity - Mammalian Metabolic activation: +/- activation Result: negative Remarks: Read-across from a similar material
Genotoxicity in vivo	: Test Type: Mutagenicity - Mammalian Species: Mouse Application Route: oral: gavage Result: negative

Carcinogenicity

Not classified based on available information.

IARC

No ingredient of this product present at levels greater than or

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equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Effects on fertility

:
Species: Rat
Application Route: Oral
NOAEL: NOEL 1,000 mg/kg,
F1: NOEL 1,000 mg/kg

Effects on fetal development

: Species: Rat
Application Route: Oral
NOAEL (No observed adverse effect level) 1,000 mg/kg
NOAEL (No observed adverse effect level) 300 mg/kg

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Species: Rat
NOAEL: 1,000 mg/kg
Application Route: by gavage
Exposure time: 51 d

Aspiration toxicity

Not classified based on available information.

Information on likely routes of exposure

Product:

Inhalation : Remarks: None known.

Skin contact : Remarks: None known.

Eye contact : Remarks: None known.

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Ingestion : Remarks: None known.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 33 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 147.8 mg/l
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (algae)): 15 mg/l
Exposure time: 72 h

Persistence and degradability

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: > 77 %
Exposure time: 28 d
Method: Ready Biodegradability: CO2 Evolution Test

Bioaccumulative potential

Ingredients:

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate:

Partition coefficient: n- : log Pow: 3.2 (25 °C)
octanol/water

Mobility in soil

Product:

Distribution among environ- : Medium: Soil
mental compartments log Koc: 1.5 - 2.8

Other adverse effects

Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Pro-
tection of Stratospheric Ozone - CAA Section 602 Class I
Substances
Remarks: This product neither contains, nor was
manufactured with a Class I or Class II ODS as defined by the
U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A +
B).

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

International Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

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This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

The ingredients of this product are reported in the following inventories:

TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL
AICS	: On the inventory, or in compliance with the inventory
ISHL	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office

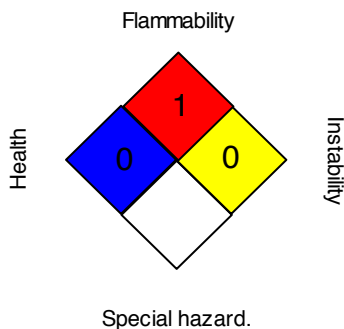
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of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

NFPA:



HMIS® IV:

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks.

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The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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