



Univar USA Inc Safety Data Sheet

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SDS No:

Version No:

Order No:

3075 Highland Pkwy, Ste 200, Downers Grove, IL 60515  
(425) 889 3400

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Emergency Assistance

For emergency assistance involving chemicals call  
Chemtrec - (800) 424-9300



## Eastman Texanol(TM) Ester Alcohol

Version	Revision Date:	SDS Number:	Date of last issue: 04/25/2017
4.0	10/03/2018	150000000148	Date of first issue: 03/24/2011
PRD		SDSCA / EN / 0001	

### SECTION 1. IDENTIFICATION

Product name : Eastman Texanol(TM) Ester Alcohol

Product code : P0210413

#### 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 number : 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 in accordance with the Hazardous Products Regulations

Reproductive toxicity : Category 2

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H361d Suspected of damaging the unborn child.

Precautionary statements : **Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.



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**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Substance  
CAS-No. : Not Assigned

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	> 99
2,2,4-trimethyl-1,3-pentanediol diisobutyrate	6846-50-0	<= 0.8

### SECTION 4. FIRST AID MEASURES

If inhaled : Move to fresh air.  
Call a physician or poison control centre immediately.

In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
Take off all contaminated clothing immediately.  
Call a physician or poison control centre immediately.

In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed : If accidentally swallowed obtain immediate medical attention.

Most important symptoms and effects, both acute and delayed : None known.

Notes to physician : Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO2)  
Dry chemical  
Water spray



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- Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.  
Do NOT use water jet.
- Specific hazards during fire-fighting : None known.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : None known.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

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### 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).

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### SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : None known.
- Advice on safe handling : Do not breathe vapours or spray mist.  
Do not get on skin or clothing.  
Do not swallow.  
Use only with adequate ventilation.  
Wash thoroughly after handling.
- Conditions for safe storage : Keep tightly closed.

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : Good general ventilation (typically 10 air changes per hour) should be sufficient to control airborne levels.  
Ensure adequate ventilation.



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### 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 : Remove respiratory and skin/eye protection only after vapours have been cleared from the area.  
Ensure that eye flushing systems and safety showers are located close to the working place.  
Use personal protective equipment as required.

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

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Colour : colourless

Odour : slight

Odour Threshold : not determined

pH : not determined

Melting point/freezing point : < -70.25 °C

Boiling point/boiling range : 255 - 261.5 °C  
(1024.0 hPa)

Flash point : 122 °C

Method: Seta closed cup

Evaporation rate : not determined

Flammability (solid, gas) : Not applicable

Self-ignition : 388 °C  
Method: ASTM E659

Vapour pressure : 1.3 Pa (20 °C)

Relative vapour density : 7.5

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Relative density	:	0.9464 (20 °C)
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)
Auto-ignition temperature	:	not determined
Decomposition temperature	:	not determined
Viscosity	:	
Viscosity, dynamic	:	12.9 mPa.s (25 °C)
Viscosity, kinematic	:	13.6 mm <sup>2</sup> /s (25 °C)
Explosive properties	:	Not classified
Oxidizing properties	:	Not classified
Surface tension	:	28.6 mN/m, 22 °C

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	None reasonably foreseeable.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	Stable None known.
Conditions to avoid	:	None known.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon dioxide (CO <sub>2</sub> ) Carbon monoxide

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity	:	Remarks: No data available
Acute inhalation toxicity	:	Remarks: No data available
Acute dermal toxicity	:	Remarks: No data available



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### Components:

#### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

Acute inhalation toxicity : LC50 (Rat): > 0.12 mg/l  
Exposure time: 6 h

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

### **Skin corrosion/irritation**

#### Product:

Remarks : No data available

### Components:

#### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Species : Guinea pig

Exposure time : 24 h

Result : slight

### **Serious eye damage/eye irritation**

#### Product:

Remarks : No data available

### Components:

#### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Species : Rabbit

Result : none

Exposure time : 24 h

### **Respiratory or skin sensitisation**

#### Product:

Remarks : No data available

### Components:

#### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Test Type : Skin Sensitization

Species : Guinea pig

Result : non-sensitizing

### **Germ cell mutagenicity**

#### Components:

#### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**



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Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: reverse mutation assay  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: Chromosome aberration test in vitro  
Metabolic activation: with and without metabolic activation  
Result: negative

### Carcinogenicity

#### Product:

Remarks : This information is not available.

#### Components:

##### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Remarks : OSHA Not Listed.

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

#### Components:

##### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Effects on foetal development : Species: Rabbit  
Application Route: Oral  
Developmental Toxicity: NOAEL: 300 mg/kg body weight

Reproductive toxicity - Assessment : Some evidence of adverse effects on development, based on animal experiments.

### STOT - single exposure

#### Product:

Remarks : No data available

### STOT - repeated exposure

#### Product:

Remarks : No data available

### Aspiration toxicity

#### Product:

No aspiration toxicity classification





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### Further information

#### Product:

Remarks : None known.

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Toxicity to fish : NOEC (Fish):  $\geq$  6 mg/l  
Exposure time: 96 h  
Remarks: (limit of solubility in fresh water)

Toxicity to daphnia and other aquatic invertebrates : NOEC: (Daphnia (water flea)):  $\geq$  1.46 mg/l  
Exposure time: 48 h  
Remarks: (limit of solubility in fresh water)

Toxicity to algae : EC50 (Chlorella pyrenoidosa (aglae)):  $>$  7.49 mg/l  
Exposure time: 72 h  
Remarks: (limit of solubility in fresh water)

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC50 (Daphnia (water flea)):  $>$  1.3 mg/l  
Exposure time: 21 d  
Remarks: (limit of solubility in fresh water)

NOEC (Daphnia (water flea)): 0.7 mg/l  
Exposure time: 21 d

### Persistence and degradability

#### Components:

##### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Biodegradability : Biodegradation: 70.73 %  
Exposure time: 28 d  
Method: Ready Biodegradability: CO2 Evolution Test

ThOD : 2.40 g/g

### Bioaccumulative potential

#### Components:

##### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Bioaccumulation : Species: Fish  
Bioconcentration factor (BCF): 1.95

Species: Fish

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Bioconcentration factor (BCF): 183 - 194

### Mobility in soil

#### Product:

Distribution among environmental compartments : Medium: Soil  
log Koc: 1.5 - 2.8

#### Components:

##### **2,2,4-trimethyl-1,3-pentanediol diisobutyrate:**

Distribution among environmental compartments : log Koc: 2.69 - 3.6  
Method: QSAR model

### Other adverse effects

No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

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

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## 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**

Product name : 2,2,4-TRIMETHYL-1,3-PENTANEDIOL-1-ISOBUTYRATE  
Pollution category : Y  
Ship type : 2

### National Regulations

#### **TDG**

Not regulated as a dangerous good

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## SECTION 15. REGULATORY INFORMATION

### The components of this product are reported in the following inventories:

DSL : All components of this product are on the Canadian DSL  
AICS : On the inventory, or in compliance with the inventory  
ENCS : On the inventory, or in compliance with the inventory

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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

TCSI : On the inventory, or in compliance with the inventory

TSCA : On the inventory, or in compliance with the inventory

### Canadian lists

No substances are subject to a Significant New Activity Notification.

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; 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; 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; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office 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; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

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CA / EN

## Univar USA Inc Safety Data Sheet

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For Additional Information contact SDS Coordinator during business hours, Pacific time: (425) 889-3400

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