

Material Safety Data Sheet

Version: 5.5

Revision Date : 04/13/2012
Date Issued : 08/22/2013

TEGO FLOW 300

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name : TEGO FLOW 300
 PRODUCT CODE : 200246
 CHEMICAL FAMILY : Polyacrylates in organic solvents

Information on manufacturer/supplier : Evonik Industries AG
 Werk Tego
 Goldschmidtstr. 100
 Essen, 05 45127

Emergency telephone number (24h) : Telephone:
 CHEMTREC (800) 424-9300
 CANUTEC (613) 996-6666
 Non-Emergency Phone Number: (800) 732-5616

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration [%]
1-DODECANETHIOL	112-55-0	< 0.1
2-Propenoic acid, 2-methylpropyl ester	106-63-8	< 0.1
Cumene	98-82-8	>= 0.5 - < 1
Benzene, dimethyl-	1330-20-7	< 1
Benzene, 1,3,5-trimethyl-	108-67-8	1 - 2.5
Benzene, 1,2,4-trimethyl	95-63-6	5 - 10
Solvent Naptha, Petroleum	64742-95-6	10 - 25
1-Butanol, 3-methoxy-, 1-acetate	4435-53-4	20 - 30

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
 Colour : colourless
 Odour : aromatic
 Water solubility : insoluble

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pH :
not applicable

Potential health effects

Immediate concerns : Flammable. Irritating to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Eyes : Irritating to eyes.

Skin : Has a degreasing effect.

Ingestion : No harmful effects have been reported upon ingestion.

Inhalation : Irritating to respiratory system.
Solvent vapors may cause narcotic effect if inhaled in high concentrations.

Primary routes of entry : Eyes, Skin, Inhalation

Target organs : Eyes, Skin, Respiratory Tract

Carcinogenicity : Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

4. FIRST AID MEASURES

Eyes : Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.

Skin : Immediately wash off with soap and water. If irritation persists, seek medical attention. Show this data sheet.

Ingestion : If swallowed, seek medical attention and show MSDS.

Inhalation : Remove individual from site of exposure to fresh air.

Notes to physician

Symptoms : No special hints.

Treatment : If swallowed, in the event of vomiting, risk of product entering the lungs.

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General advice : Remove soiled or soaked clothing immediately

5. FIRE-FIGHTING MEASURES

- Flash point : 120 °F
Method: TAG CC
- Autoignition temperature : 752.00 °F
- Upper Explosion limits : not measured
- Lower explosion limit : not measured
- Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.
- Extinguishing media which must not be used for safety reasons : Full water jet
- Products in case of fire : In the event of fire the following can be released:
- carbon dioxide, carbon monoxide
Under certain conditions of combustion traces of other toxic substances cannot be excluded
- Further information : Collect contaminated firefighting water separately, must not be discharged into the drains.
- Special protective equipment for fire-fighters : As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.
- Hazardous decomposition products : None with proper storage and handling.
- OSHA flammable class : Combustible Liquid, Class II

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6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up / taking up : Small spills :
Eliminate all sources of ignition. Use personal protective equipment. Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. Take up with absorbent material (e.g. sand, kieselguhr, universal binder).

Release Notes :

US regulations require reporting spills of this material that could reach any surface waters

In case of accident or road spill notify :

Telephone:

CHEMTREC USA	(800) 424-9300
CANUTEC Canada	(613) 996-6666
CHEMTREC (other countries)	(International code)+1-202-483-7616

7. HANDLING AND STORAGE

General Procedures Handling

Advice on safe handling : Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion : Keep away from sources of ignition - no smoking
Take precautionary measures against electrostatic loading.
Cool endangered containers by water spray
Vapours may form explosive mixtures with air

Storage

Further information : Keep container tightly closed in a cool, well-ventilated place

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA hazardous components (29 CFR 1910.1200)

Components	CAS-No.	Base	Type	Value	Note
1-DODECANETHIOL	112-55-0	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	0.1 ppm	
Benzene, dimethyl-	1330-20-7	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	100 ppm	
Benzene, dimethyl-	1330-20-7	US. ACGIH Threshold Limit Values	Short Term Exposure Limit (STEL):	150 ppm	
Benzene, 1,2,4-trimethyl	95-63-6	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	25 ppm	
Cumene	98-82-8	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	50 ppm	
Benzene, 1,3,5-trimethyl-	108-67-8	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	25 ppm	
1-DODECANETHIOL	112-55-0	US. NIOSH: Pocket Guide to Chemical Hazards	Ceiling Limit Value and Time Period (if specified):	0.5 ppm 4.1 mg/m3	
Benzene, dimethyl-	1330-20-7	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	100 ppm 435 mg/m3	
Benzene, dimethyl-	1330-20-7	US. NIOSH: Pocket Guide to Chemical Hazards	Short Term Exposure Limit (STEL):	150 ppm 655 mg/m3	
Benzene, dimethyl-	1330-20-7	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	100 ppm 435 mg/m3	
Benzene, dimethyl-	1330-20-7	US. NIOSH: Pocket Guide to Chemical	Short Term Exposure Limit	150 ppm	

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		Hazards	(STEL):	655 mg/m3	
Benzene, dimethyl-	1330-20-7	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	100 ppm 435 mg/m3	
Benzene, dimethyl-	1330-20-7	US. NIOSH: Pocket Guide to Chemical Hazards	Short Term Exposure Limit (STEL):	150 ppm 655 mg/m3	
Benzene, 1,2,4-trimethyl	95-63-6	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	25 ppm 125 mg/m3	
Cumene	98-82-8	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	50 ppm 245 mg/m3	
Cumene	98-82-8	US. NIOSH: Pocket Guide to Chemical Hazards	Skin designation:		Can be absorbed through the skin.
Benzene, 1,3,5-trimethyl-	108-67-8	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	25 ppm 125 mg/m3	
Benzene, dimethyl-	1330-20-7	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	PEL:	100 ppm 435 mg/m3	
Cumene	98-82-8	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	PEL:	50 ppm 245 mg/m3	
Cumene	98-82-8	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)	Skin designation:		Can be absorbed through the skin.

Personal protective equipment

General protective measures : Do not inhale gases/vapours/aerosols.
Avoid contact with eyes and skin

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- Hygiene measures : No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.
- Respiratory protection : If ventilation is insufficient, wear appropriate NIOSH approved respiratory protective equipment.
- Eye protection : Safety Goggles recommended for use.
- Protective clothing : Light protective clothing is required.
- Engineering controls : Both local exhaust and mechanical (general) are recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Colour : colourless
- Odour : aromatic
- State of aggregation : Liquid
- Melting temperature : not measured
- Boiling point : approx. 320 °F
- Vapour pressure : not measured
- Density : 0.97 g/cm³
at 68.00 °F
- Weight per volume : 8.33 Lb/Gal
- Solubility : soluble
- Water solubility : insoluble
- pH : not applicable
- Viscosity, dynamic : 70 mPa.s
at 25 °C
- Volatile organic compound : 483.00 g/l
4.03 Lb/Gal
percentage volatile: 48.5 %
Percent Water:0.2 %
percent non-volatile: 51.5 %

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10. STABILITY AND REACTIVITY

- Conditions to avoid : Keep away from heat, sparks, and open flame.
- Thermal decomposition : not measured
- Hazardous reactions : No hazardous reactions with proper storage and handling.
- Hazardous polymerisation : No
- Stability : Yes
- Hazardous decomposition products : None with proper storage and handling.

11. TOXICOLOGICAL INFORMATION

- Acute inhalation toxicity : Acute toxicity estimate
Dose: > 20 mg/l
Method: Calculation method
- Note : May cause respiratory irritation.
Due to the composition of the product it cannot be excluded:
May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Further ecological information

- Ecological notes : Do not allow to enter soil, waterways or waste water canal.

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13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Product disposal and disposal requirements : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

Sea transport

IMDG:

Class : 3
UN-No : 1993
PG : III
MFAG :
EmS : F-E S-E
Proper shipping name : FLAMMABLE LIQUID, N.O.S.
Hazard release : Petroleum-Distillates
Label : 3

Air transport

ICAO/IATA:

Class : 3
UN-No : 1993
PG : III
Proper shipping name : Flammable liquid, n.o.s.
Hazard release : Petroleum-Distillates
Label : 3

DOT (Department of Transportation)

CFR Road:

Not regulated < 119 gallons

CFR Rail:

Not regulated < 119 gallons

CANADA Transport of Dangerous goods

TDG Road:

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Not regulated
TDG Rail:
Not regulated

15. REGULATORY INFORMATION

United States

SARA Section 311/312 : Fire: Yes
Pressure generating: No
Reactivity: No
Acute: Yes
Chronic: No

SARA Sections : SECTION 313
Notification : Yes

Components	CAS-No.
Benzene, dimethyl-	1330-20-7
Benzene, 1,2,4-trimethyl	95-63-6
Cumene	98-82-8

Notification Status : TSCA
Notification : Yes
All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723.

State regulations : MASS. RIGHT TO KNOW
Notification : Yes

RHODE ISLAND RTK
Notification : Yes

NEW JERSEY RTK
Notification : Yes

PENNSYLVANIA RTK
Notification : Yes

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California Proposition 65 Statement : Notification : Yes
This product contains a chemical known to the state of California to cause cancer, birth defects, or other reproductive effects.

Components	CAS-No.
Cumene	98-82-8

CERCLA : CAS 1330-20-7 : 100 lb
CERCLA : CAS 98-82-8 :
CERCLA : CAS 106-63-8 :

Canada : WHMIS CLASSIFICATION
Class B, Division 3, Combustible Liquid
Class D, Division 2, Subdivision B

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

Components	CAS-No.
Benzene, dimethyl-	1330-20-7
Benzene, 1,2,4-trimethyl	95-63-6
Cumene	98-82-8
Benzene, 1,3,5-trimethyl-	108-67-8

Notification Status : Canadian Environmental Protection Act
DSL
Notification : Yes
All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

16. OTHER INFORMATION

HMIS Codes : Fire : 2
Health : 2
Physical Hazard : 0
Protection : X

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Manufacturer disclaimer : While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon

END OF MSDS