

# SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO® Flow 300

**Chemical name:**

Polyacrylates in organic solvents

**Other means of identification**

**Recommended restrictions**

**Recommended use:** Industrial Use

**Restrictions on use:** None known.

**Manufacturer/Importer/Distributor Information**

Company Name : Evonik Corporation  
Nutrition & Care  
7801 Whitepine Road  
Richmond, VA 23237  
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

E-mail : product-regulatory-services@evonik.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency : 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

### Hazard Classification

**Physical Hazards**

Flammable liquids Category 3

**Health Hazards**

Specific Target Organ Toxicity -  
Single Exposure Category 3

**Environmental Hazards**

Chronic hazards to the aquatic  
environment Category 2

### Label Elements

**Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:** Flammable liquid and vapor.  
 May cause respiratory irritation.  
 May cause drowsiness or dizziness.  
 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid release to the environment.

**Storage:** Store in a well-ventilated place. Keep container tightly closed.

**Hazard(s) not otherwise classified (HNOC):** None.

### 3. Composition/information on ingredients

**Chemical name:**  
 Polyacrylates in organic solvents

**Mixtures**

Chemical Identity	CAS number	Content in percent (%) <sup>*</sup>
Solvent Naptha, Petroleum	64742-95-6	10 - 25%
3-Methoxybutyl acetate	4435-53-4	20 - 30%

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

### 4. First-aid measures

**Description of necessary first-aid measures**

**General information:** Remove soiled or soaked clothing immediately

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

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

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

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

**Personal Protection for First-aid Responders:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

#### Most important symptoms/effects, acute and delayed

**Symptoms:** Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness. Prolonged skin contact may cause skin irritation and/or dermatitis.

**Hazards:** No data available.

#### Indication of immediate medical attention and special treatment needed

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

### 5. Fire-fighting measures

**General Fire Hazards:** Collect contaminated firefighting water separately, must not be discharged into the drains.

#### Suitable (and unsuitable) extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** Full water jet

**Specific hazards arising from the chemical:** 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

#### Special protective equipment and precautions for firefighters

**Special fire fighting procedures:** Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Cool endangered containers by water spray Vapours may form explosive mixtures with air

**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.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Ensure adequate ventilation. Keep away sources of ignition.

**Methods and material for containment and cleaning up:** Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

**Environmental Precautions:** Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

### 7. Handling and storage

#### Handling

**Technical measures (e.g. Local and general ventilation):** Both local exhaust and mechanical (general) are recommended.

<b>Safe handling advice:</b>	Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Provide good ventilation of working area (local exhaust ventilation if necessary).
<b>Contact avoidance measures:</b>	No data available.
<b>Hygiene measures:</b>	No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed in a cool, well-ventilated place.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Hazardous components without workplace control parameters

#### Appropriate Engineering Controls

Both local exhaust and mechanical (general) are recommended.

### Individual protection measures, such as personal protective equipment

**Eye/face protection:** Safety Goggles recommended for use.

#### Skin Protection

**Hand Protection:** Material: gloves made of nitril (NBR)  
Break-through time: 60 min

#### Skin and Body Protection:

Light protective clothing is required.

**Respiratory Protection:** If ventilation is insufficient, wear appropriate NIOSH approved respiratory protective equipment.

**Hygiene measures:** No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.

## 9. Physical and chemical properties

### Appearance

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Aromatic
<b>Odor Threshold:</b>	not measured
<b>pH:</b>	Not applicable
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	approx. 320 °F
<b>Flash Point:</b>	120 °F (TAG CC)
<b>Evaporation Rate:</b>	not measured
<b>Flammability (solid, gas):</b>	no data available

<b>Explosive limit - upper (%):</b>	not measured
<b>Explosive limit - lower (%):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Vapor density (air=1):</b>	not measured
<b>Density:</b>	0.97 g/cm <sup>3</sup> (20 °C)
<b>Relative density:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	soluble
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Self Ignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>Kinematic viscosity:</b>	No data available.
<b>Dynamic viscosity:</b>	70 mPa.s (25 °C)
<b>Other information</b>	
<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not oxidizing
<b>Minimum ignition temperature:</b>	400 °C
<b>Metal Corrosion:</b>	Not corrosive to metals

## 10. Stability and reactivity

<b>Reactivity:</b>	see section "Possibility of hazardous reactions"
<b>Chemical Stability:</b>	The product is stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	No No hazardous reactions with proper storage and handling.
<b>Conditions to avoid:</b>	Keep away from heat, sparks and open flame.
<b>Incompatible Materials:</b>	Unknown
<b>Hazardous Decomposition Products:</b>	None with proper storage and handling.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Inhalation:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.
<b>Skin Contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Eye contact:</b>	Relevant route of exposure. Information on effects are given below.
<b>Ingestion:</b>	If handled correctly, not a relevant route of exposure. Information on effects are given below.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.

**Ingestion:** No data available.

### Information on toxicological effects

#### Acute toxicity (list all possible routes of exposure)

##### Oral

###### Product:

###### Components:

Solvent Naptha, LD 50 (Rat): 3,592 mg/kg  
Petroleum

3-Methoxybutyl acetate LD 50 (Rat): 4,210 mg/kg

##### Dermal

###### Product:

###### Components:

Solvent Naptha, LD 50 (Rat): > 3,160 mg/kg  
Petroleum

##### Inhalation

###### Product:

###### Components:

Solvent Naptha, LC 50 (Rat): > 6.193 mg/l  
Petroleum

#### Repeated dose toxicity

**Product:** no data available

#### Skin Corrosion/Irritation

**Product:** non-irritant  
non-irritant

#### Serious Eye Damage/Eye Irritation

**Product:** non-irritant  
non-irritant

#### Respiratory or Skin Sensitization

**Product:** non-sensitizing

#### Carcinogenicity

**Product:** No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

#### US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

#### US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

**In vitro**  
**Product:** No data available.

**In vivo**  
**Product:** No data available.

**Reproductive toxicity**

**Product:** No data available.

**Specific Target Organ Toxicity - Single Exposure**

**Product:** no data available

**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** no data available

**Aspiration Hazard**

**Product:** Not classified

**Other effects:**

May cause respiratory irritation. Vapours may cause drowsiness and dizziness. Due to the composition of the product it cannot be excluded: May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.

**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**  
**Product:** No data available.

**Aquatic Invertebrates**  
**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** ErL50 (Estimated Loading rate) (Pseudokirchneriella subcapitata (green algae), 72 h): > 100 mg/l The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
NOEL (Pseudokirchneriella subcapitata (green algae), 72 h): > 100 mg/l The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Persistence and Degradability**

**Biodegradation**  
**Product:** No data available.

**BOD/COD Ratio**  
**Product:** No data available.

**Bioaccumulative potential**  
**Bioconcentration Factor (BCF)**  
**Product:** No data available.

**Partition Coefficient n-octanol / water (log Kow)**  
**Product:** Log Kow: not measured

**Mobility in soil:** No data available.

**Components:**  
 Solvent Naptha, No data available.  
 Petroleum  
 3-Methoxybutyl acetate No data available.

**Other adverse effects:** Do not allow to enter soil, waterways or waste water canal.

**13. Disposal considerations**

**Disposal methods:** 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**

**Domestic regulation**

**49 CFR**

UN/ID/NA number : UN 1993

Proper shipping name : Flammable liquids, n.o.s.  
 (hydrocarbons, C9, aromatics)

Class : 3

Packing group : III

Labels : 3

ERG Code : 128

Marine pollutant : yes

Remarks : For Mexico only: When shipping in, by or via Mexico this product must be classified, placarded, marked and shipped as follows: "UN 1993 FLAMMABLE LIQUID, N.O.S. (hydrocarbons,C9, aromatics), 3, III, Marine Pollutant"

For USA only: This product is not regulated in packages < 119 gallons / 450 L. In bulk packages this products is a



Combustible Liquid, NA1993.

**International Regulations****IATA-DGR**

UN/ID No. : UN 1993

Proper shipping name : Flammable liquid, n.o.s.  
(hydrocarbons, C9, aromatics)

Class : 3

Packing group : III

Labels : 3

Packing instruction (cargo aircraft) : 366

Packing instruction (passenger aircraft) : 355

Environmentally hazardous : yes

**IMDG-Code**

UN number : UN 1993

Proper shipping name : FLAMMABLE LIQUID, N.O.S.  
(hydrocarbons, C9, aromatics)

Class : 3

Packing group : III

Labels : 3

EmS Code : F-E, S-E

Marine pollutant : yes

Remarks : Stowage category A

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

Not applicable for product as supplied.

**Special precautions for user**

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

**15. Regulatory information****US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
cumene	5000 lbs.
Xylene	100 lbs.
2-Propenoic acid, 2-methylpropyl ester	100 lbs.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Specific target organ toxicity (single or repeated exposure)

**SARA 302 Extremely Hazardous Substance**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

**SARA 311/312 Hazardous Chemical**

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
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**SARA 313 (TRI Reporting)**

<u>Chemical Identity</u>	<u>Reporting threshold for other users</u>
1,2,4-trimethylbenzene	Otherwise used (non-manufacturing/processing)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Xylene	Reportable quantity: 100 lbs.

**US State Regulations**

**US. California Proposition 65**



**WARNING:** This product can expose you to chemicals including, cumene, which is [are] known to the State of California to cause cancer.

**US. New Jersey Worker and Community Right-to-Know Act**

<u>Chemical Identity</u>
3-Methoxybutyl acetate
1,2,4-trimethylbenzene
mesitylene

**US. Massachusetts RTK - Substance List**

No ingredient regulated by MA Right-to-Know Law present.

**US. Pennsylvania RTK - Hazardous Substances**
**Chemical Identity**

 1,2,4-trimethylbenzene  
 mesitylene

**US. Rhode Island RTK**

No ingredient regulated by RI Right-to-Know Law present.

**Inventory Status:**

US TSCA Inventory: Included on Inventory.

This product contains one or more components that comply with the TSCA Polymer Exemption criteria per 40 CFR 723.250.

Canada DSL Inventory List: Included on Inventory.

**16. Other information, including date of preparation or last revision**
**HMIS Hazard ID**

<b>Health</b>	2
<b>Flammability</b>	2
<b>Physical Hazards</b>	0
<b>PERSONAL PROTECTION</b>	X

Consult supervisor for special handling instructions for these substances.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Issue Date:** 05/01/2019

**Version #:** 1.1

**Further Information:** CTFA: complies

**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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