

SAFETY DATA SHEET

1. Identification

Product identifier: TEGO® Flow 370

Chemical name: Solution of polyacrylates

Other means of identification

Recommended use: Industrial use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Australia Pty Ltd
Suites 33&37
1 Ricketts Road
Mt Waverley, VIC 3149
Australia

Telephone : +61 3 8581 8400

Fax : +61 3 9544 5002

E-mail : productsafety-cs@evonik.com

Emergency telephone number:

24-Hour Health : +61 2 9037 2994

Emergency : +1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Classification according to GHS

Health Hazards

Acute toxicity (Oral) Category 5

Toxic to reproduction Category 2

Environmental Hazards

Acute hazards to the aquatic environment Category 2

Chronic hazards to the aquatic environment Category 3

Label Elements

Hazard Symbol:

Signal Word: Warning

Hazard Statement: May be harmful if swallowed.
 Suspected of damaging fertility or the unborn child.
 Toxic to aquatic life.
 Harmful to aquatic life with long lasting effects.

Precautionary Statements
Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

Response: Call a POISON CENTER or doctor/ physician if you feel unwell. IF exposed or concerned: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Other hazards: None known.

3. Composition/information on ingredients
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Chemical name:
 Solution of polyacrylates

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester	No data available.	6846-50-0	10 - <30%

* 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:	fresh air supply, consult a doctor if feeling unwell.
Skin Contact:	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
Eye contact:	In case of contact with eyes rinse thoroughly with water. In case of discomfort: Supply with medical care.
Ingestion:	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.

Most important symptoms and effects, both acute and delayed

Symptoms:	Up to now no symptoms are known.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

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

Unsuitable extinguishing media: High volume water jet.

Special hazards arising from the substance or mixture: 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: No specific precautions.

Special protective equipment for fire-fighters: Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Use personal protective equipment.
Accidental release measures:	No data available.
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 Prevent product from getting into subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):	No data available.
Safe handling advice:	Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.
Contact avoidance measures:	No data available.

Storage

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

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Biological Limit Values

Observe national threshold limit values.

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

General information:	No data available.
Eye/face protection:	Safety goggles

Skin Protection

Hand Protection:	Additional Information: Protective gloves
Other:	protective clothing
Respiratory Protection:	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
Hygiene measures:	When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	Viscous Liquid
Color:	Colorless
Odor:	specific to the product
Odor Threshold:	not measured
Freezing point:	not measured
Boiling Point:	Approximate 536 °F/280 °C
Flammability:	not measured

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	> 212 °F/> 100 °C
Autoignition Temperature:	not measured
Decomposition Temperature:	not measured
pH:	Not applicable

Viscosity

Dynamic viscosity:	200 - 8,000 mPa.s (73 °F/23 °C)
Kinematic viscosity:	200 - 8000 mm ² /s (73 °F/23 °C, calculated)
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	Insoluble
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Vapor pressure:	not measured
Relative density:	not measured
Density:	Approximate 1 g/cm ³ (DIN 51757)
Bulk density:	No data available.
Relative vapor density:	not measured

Other information

Explosive properties:	not measured
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Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals
Evaporation Rate:	not measured

10. Stability and reactivity

Reactivity:	see section "Possibility of hazardous reactions".
Chemical Stability:	The product is stable under normal conditions.
Possibility of hazardous reactions:	No hazardous reactions with proper storage and handling
Conditions to avoid:	None with proper storage and handling.
Incompatible Materials:	Not known.
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on toxicological effects

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral

Product:	LD 50 (Rat): > 2,000 mg/kg (OECD 423)
Components:	
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester	LD 50 (Rat): > 2,000 mg/kg

Dermal

Product:	No data available.
Components:	

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

LD 50 (Rabbit): > 5,000 mg/kg

Inhalation

Product: No data available.

Components: Vapour, No data available. Dust and mist, No data available.
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Repeated dose toxicity

Product: No data available.

Components: No data available.
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Skin Corrosion/Irritation

Product: No data available.

Components: OECD 404 (Rabbit): Not irritant
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Serious Eye Damage/Eye Irritation

Product: No data available.

Components: OECD 405 (Rabbit): Not irritating
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Respiratory or Skin Sensitization

Product: No data available.

Components: Patch test (Human): Not a skin sensitizer.
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Carcinogenicity

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available.

Components:
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

In vivo

Product: No data available.

Components:
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Reproductive toxicity

Product: No data available.

Components:
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:
Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Aspiration Hazard

Product: Not classified

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Information on health hazards

Other hazards

Product: No data available.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester NOEC (Bluegill Sunfish, 96 h): 6 mg/l

Aquatic Invertebrates

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester NOEC (Daphnia magna, 48 h): 1.46 mg/l The product is slightly soluble in the test medium. A saturated solution was tested.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 7.49 mg/l (OECD 201)

Toxicity to microorganisms

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Toxicity to soil dwelling organisms

Product: No data available.

Components:

Propanoic acid, 2-methyl- No data available.

, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Toxicity to terrestrial organisms

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester
NOEC (Daphnia magna, 21 d): 0.7 mg/l (OECD 202)
Lowest Observed Effect Concentration (Daphnia magna, 21 d): 1.3 mg/l (OECD 202)
EC 50 (Daphnia magna, 21 d): 1.3 mg/l (OECD 202)

Toxicity to Aquatic Plants

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester
NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 3.56 mg/l (OECD 201)

Toxicity to microorganisms

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Toxicity to soil dwelling organisms

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester No data available.

Toxicity to terrestrial organisms

Product: No data available.

Components:

Propanoic acid, 2-methyl-, No data available.
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Persistence and Degradability

Biodegradation

Product: No data available.

Components:

Propanoic acid, 2-methyl-, 71 % (28 d, OECD 301 B) The product is easily biodegradable., aerobic
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

BOD/COD Ratio

Product: No data available.

Components:

Propanoic acid, 2-methyl-, No data available.
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Propanoic acid, 2-methyl-, Bluegill Sunfish, Bioconcentration Factor (BCF): 1.95 (OECD 305)
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Components:

Propanoic acid, 2-methyl-, Log Kow: 4.49 25 °C
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Mobility in soil:

Product No data available.

Components:

Propanoic acid, 2-methyl-, No data available.
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl] ester

Product No data available.

Components:

Propanoic acid, 2-methyl-, No data available.
1,1'-[2,2-dimethyl-1-(1-methylethyl)-1,3-propanediyl]
ester

Other adverse effects:

Other hazards

Product: 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

ADG

Not regulated as a dangerous good

International Regulations

UNRTDG

Not regulated as a dangerous good

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.

15. Regulatory information

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

16. Other information, including date of preparation or last revision

Issue Date: 19.08.2021

Version #: 1.1

Further Information: No data available.

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

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