

Product name: TEGO® Dispers 688

SAFETY DATA SHEET

Classified in accordance with Health Canada Hazardous Products Regulations
(SOR/2015-17)

1. Identification

Product identifier:
TEGO® Dispers 688

Chemical name:
Polymer Solution

Recommended use of the chemical and restrictions on use

Recommended use: Industrial use
Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Canada Inc.
3380 South Service Road
L7N 3J5 Burlington ON
Canada

Telephone : +1 905 336 3423

Fax : +1 905 332 5632

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)
+1 613 996 6666 (CANUTEC – For Transportation Emergencies Only)
+1 973 929 8060 (Product Regulatory Services)

2. Hazard identification

Hazard Classification According to Hazardous Products Regulations

Physical Hazards

Flammable liquids Category 3

Health Hazards

Toxic to reproduction Category 1B
Specific Target Organ Toxicity -
Single Exposure Category 3
(Narcotic effect.)

Label Elements

Hazard Symbol:

Product name: TEGO® Dispers 688



Signal Word: Danger

Hazard Statement: Flammable liquid and vapor.
May damage fertility or the unborn child.
May cause drowsiness or dizziness.

Precautionary Statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting] equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF exposed or concerned: Get medical advice/attention. In case of fire: Use dry sodium carbonate for extinction.

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

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Physical Hazards Not
Otherwise Classified:**

**Health Hazards Not
Otherwise Classified:**

3. Composition/information on ingredients

Chemical name:
Polymer Solution

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Mixtures

| Chemical Identity | Common name and synonyms | CAS number | Content in percent (%)* Reference quantity: Fraction (Weight) |
|---------------------------------|--------------------------|------------|---|
| 2-methoxy-1-methylethyl acetate | No data available. | 108-65-6 | 30 - 60% |
| 2-methoxypropyl acetate | No data available. | 70657-70-4 | 0.1 - 1% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures
Description of necessary first-aid measures

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| 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 immediately 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/effects, acute and delayed

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| Symptoms: | Depending on the dose inhalation and/or ingestion may cause: headache, inebriation, unconsciousness. |
| Hazards: | No data available. |

Indication of immediate medical attention and special treatment needed

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| Treatment: | Treat symptomatically. |
|-------------------|------------------------|

5. Fire-fighting measures
Suitable (and unsuitable) extinguishing media

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| Suitable extinguishing media: | foam, carbon dioxide, dry powder, water spray. |
| Unsuitable extinguishing media: | High volume water jet. |

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| Specific hazards arising from the chemical: | In the event of fire the following can be released: - carbon dioxide, carbon monoxide - Nitrogen oxides (NOx) Under certain conditions of combustion traces of other toxic substances cannot be excluded |
|--|--|

Special protective equipment and precautions for firefighters

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| Special fire fighting procedures: | Keep away from sources of ignition - no smoking. Take action to prevent static discharges. Vapours may form explosive mixtures with air. Cool endangered containers by water spray |
| Special protective equipment for fire-fighters: | Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus. |

6. Accidental release measures

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| Personal precautions, protective equipment and emergency procedures: | Use personal protective equipment. Keep away sources of ignition. Ensure adequate ventilation. |
| Methods and material for containment and cleaning up: | Take up with absorbent material (eg sand, kieselguhr, acid binder, universal binder, sawdust). 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

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

Storage

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

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | | Source |
|---------------------------------|------|-----------------------|-----------|---|
| | | | | |
| 2-methoxy-1-methylethyl acetate | TWA | 50 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) |
| | STEL | 75 ppm | | |
| 2-methoxy-1-methylethyl acetate | TWA | 50 ppm | 270 mg/m3 | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents), as amended |
| 2-methoxypropyl acetate | TWA | 20 ppm | | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) |
| | STEL | 40 ppm | | |

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|--|--|--|--|
| | | | Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) |
|--|--|--|--|

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

Appropriate Engineering Controls No data available.

Individual protection measures, such as personal protective equipment

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|--------------------------------|---|
| Eye/face protection: | This product is not classified as an eye irritant. Any necessity for eye protection must be determined within the scope of a risk assessment. |
| Skin Protection | |
| Hand Protection: | Material: Nitrile rubber. Break-through time: 10 min |
| Other: | protective clothing |
| Respiratory Protection: | in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2 |
| Hygiene measures: | Wash hands before breaks and immediately after handling the product. Remove soiled or soaked clothing immediately. Do not eat, drink or smoke when working. |

9. Physical and chemical properties
Information on basic physical and chemical properties
Appearance

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| Physical state: | liquid |
| Form: | liquid |
| Color: | brownish yellow |
| Odor: | specific to the product |
| Odor Threshold: | not measured |
| Freezing point: | not measured |
| Boiling Point: | 293 - 297 °F/145 - 147 °C (DIN 53171) |
| Flammability: | not measured |
| Upper/lower limit on flammability or explosive limits | |
| Explosive limit - upper: | not measured |
| Explosive limit - lower: | not measured |
| Flash Point: | 113 °F/45 °C (DIN 51755) |
| Self Ignition Temperature: | 522 °F/272 °C |
| Decomposition Temperature: | not measured |
| pH: | 5 - 7 (100 g/l, 77 °F/25 °C) in Water |
| Viscosity | |
| Dynamic viscosity: | 70 mPa.s (68 °F/20 °C) |
| Kinematic viscosity: | 69 mm ² /s (68 °F/20 °C, calculated) |
| Flow Time: | Not applicable |
| Solubility(ies) | |
| Solubility in Water: | not measured |

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| | |
|---|---------------------------------------|
| Solubility (other): | not measured |
| Partition coefficient (n-octanol/water): | not measured |
| Vapor pressure: | not measured |
| Relative density: | not measured |
| Density: | 1.014 g/cm ³ (68 °F/20 °C) |
| Bulk density: | Not applicable |
| Relative vapor density: | not measured |
| Particle characteristics | |
| Particle Size Distribution: | Not applicable |
| Specific surface area: | Not applicable |
| Surface charge/Zeta potential: | Not applicable |
| Assessment: | Not applicable |
| Shape: | Not applicable |
| Crystallinity: | Not applicable |
| Surface treatment: | Not applicable |

Other information

| | |
|--------------------------------------|-------------------------|
| Explosive properties: | not measured |
| Oxidizing properties: | not oxidizing |
| Minimum ignition temperature: | not measured |
| Metal Corrosion: | Does not corrode metal. |
| Evaporation Rate: | not measured |

10. Stability and reactivity

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| 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: | Open flames, sparks or input of much heat Freezing. |
| Incompatible Materials: | Not known. |
| Hazardous Decomposition Products: | None with proper storage and handling. |

11. Toxicological information
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. |

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Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

Product: LD 50 (Rat): > 2,000 mg/kg (OECD 423)

Dermal

Product: No data available.
Not classified for acute toxicity based on available data.

Inhalation

Product: No data available.
Not classified for acute toxicity based on available data.

Repeated dose toxicity

Product: No data available.

Skin Corrosion/Irritation

Product: No data available.

Serious Eye Damage/Eye Irritation

Product: No data available.

Respiratory or Skin Sensitization

Product: No data available.

Carcinogenicity

Product: No data available.

ACGIH: US.ACGIH Threshold Limit Values:

No carcinogens present or none present in regulated quantities

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2), as amended

No carcinogens present or none present in regulated quantities

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

No carcinogens present or none present in regulated quantities

Canada. Quebec OELs. (Ministry of Labor - Regulation respecting occupational health and safety), as amended

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.

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Aspiration Hazard
Product: Not classified

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.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Components:

 2-methoxy-1-methylethyl acetate EC 50 (Algae (*Pseudokirchneriella subcapitata*), 96 h): > 1,000 mg/l (OECD 201)

Toxicity to microorganisms
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: No data available.

Components:

 2-methoxy-1-methylethyl acetate NOEC (Algae (*Pseudokirchneriella subcapitata*), 96 h): 1,000 mg/l (OECD 201)

Toxicity to microorganisms
Product: No data available.

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

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Mobility in soil:
Product No data available.

Results of PBT and vPvB assessment:
Product No data available.

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
Domestic regulation
TDG

| | | |
|------------------------|---|--|
| UN number or ID number | : | UN 3272 |
| Proper shipping name | : | ESTERS, N.O.S. (Methoxypropylacetate) |
| Class | : | 3 |
| Packing group | : | III |
| Labels | : | 3 |
| Marine pollutant | : | no |
| Remarks | : | FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA. |

International Regulations
IATA-DGR

| | | |
|--|---|--|
| UN/ID No. | : | UN 3272 |
| Proper shipping name | : | Esters, n.o.s. (Methoxypropylacetate) |
| Class | : | 3 |
| Packing group | : | III |
| Labels | : | 3 |
| Packing instruction (cargo aircraft) | : | 366 |
| Packing instruction (passenger aircraft) | : | 355 |

IMDG-Code

| | | |
|------------------------|---|--|
| UN number or ID number | : | UN 3272 |
| Proper shipping name | : | ESTERS, N.O.S. (Methoxypropylacetate) |
| Class | : | 3 |
| Packing group | : | III |
| Labels | : | 3 |
| EmS Code | : | F-E, S-D |

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Marine pollutant : no

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
Canada Federal Regulations
List of Toxic Substances (CEPA, Schedule 1)

Not Regulated

Export Control List (CEPA 1999, Schedule 3)

Not Regulated

National Pollutant Release Inventory (NPRI)
Canada. National Pollutant Release Inventory (NPRI) Substances, Part 5, VOCs with Additional Reporting Requirements

 NPRI PT5 2-methoxy-1-methylethyl
 acetate

Canada. National Pollutant Release Inventory (NPRI) (Schedule 1, Parts 1-4)

NPRI Not Regulated

Greenhouse Gases

Not Regulated

Canada. Substances Subject to Significant New Activity (SNAc) Reporting Requirements

Not Regulated

Controlled Drugs and Substances Act

CA CDSI Not Regulated

CA CDSII Not Regulated

CA CDSIII Not Regulated

CA CDSIV Not Regulated

CA CDSV Not Regulated

CA CDSVII Not Regulated

CA CDSVIII Not Regulated

Precursor Control Regulations

Not Regulated

Inventory Status:

| | | |
|----------------------------|--|---|
| US TSCA Inventory: | On or in compliance with the 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. | |

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16. Other information, including date of preparation or last revision**Issue Date:** 07/12/2021**Version #:** 1.2**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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