

Revision Date: 03/15/2019

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: TEGO® Dispers 672

Chemical name:

Solution of a pigment affinity polymer

Other means of identification

Recommended restrictions

Recommended use: Industrial Use Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation

2 Turner Place

Piscataway, NJ 08854

USA

Telephone : +1 732 981 5000

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 - Category 3

Single Exposure

Label Elements

Hazard Symbol:



Signal Word: Warning



Revision Date: 03/15/2019

Hazard Statement: Flammable liquid and vapor.

May cause drowsiness or dizziness.

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.

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:

Solution of a pigment affinity polymer

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Butyl acetate	123-86-4	>=30 - <50%
1-Methoxy-2-Propylacetate	108-65-6	>=20 - <30%
n-Decanol	112-30-1	>=1 - <5%

^{*} 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: If inhalated remove from side of exposure to fresh air, seek medical

advice.

Skin Contact: In case of contact with skin wash off with soap and water. In the event

of symptoms seek medical advice.

Eye contact: In case of contact with eyes rinse thoroughly with water. In the event

of symptoms seek medical advice.

Ingestion: Thoroughly clean the mouth with water In the event of symptoms

seek medical advice.

Personal Protection for First-

aid Responders:

Do not inhale explosion and/or combustion gases, Self-contained

breathing apparatus.

Most important symptoms/effects, acute and delayed

Symptoms: Prolonged skin contact may cause skin irritation and/or dermatitis.

Depending on the dose inhalation and/or ingestion may cause:

headache, inebriation, unconsciousness.



Revision Date: 03/15/2019

Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

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. Vapours can form an explosive mixture 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

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation. Keep

away from sources of ignition - no smoking.

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 Do not discharge into the

subsoil/soil.

7. Handling and storage

Handling

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).

No data available. Contact avoidance measures:

Hygiene measures: Do not eat, drink or smoke when working. Remove soiled or soaked

clothing immediately. Wash hands before breaks and immediately after

handling the product. Use barrier skin cream.

Storage



Revision Date: 03/15/2019

Safe storage conditions: Keep container tightly closed in a cool, well-ventilated place. Protect from

sun. PROTECT FROM FREEZING!

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values 50 ppm		Source	
Butyl acetate	TWA			US. ACGIH Threshold Limit Values (03 2016)	
	STEL	150 ppm		US. ACGIH Threshold Limit Values (03 2016)	
	REL	150 ppm	710 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)	
	STEL	200 ppm	950 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2010)	
	PEL	150 ppm	710 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (03 2016)	
1-Methoxy-2-Propylacetate AN ESL AN ESL ST ESL	AN ESL		50 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (06 2018)	
	AN ESL		270 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (06 2018)	
		500 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (06 2018)		
	ST ESL 2,700 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (06 2018)			
	TWA PEL	100 ppm	541 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)	
	STEL	150 ppm	811 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (01 2015)	
	TWA	50 ppm		US. OARS. WEELs Workplace Environmental Exposure Level Guide (02 2016)	

None of the components have assigned exposure limits. Hazardous components without workplace control parameters

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

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: gloves made of nitril (NBR)

Break-through time: > 30 min

Skin and Body Protection:

protective clothing

Respiratory Protection: in case of formation of vapours/dusts: Short term: filter apparatus,

combination filter A-P2

Hygiene measures: Do not eat, drink or smoke when working. Remove soiled or soaked

clothing immediately. Wash hands before breaks and immediately after

handling the product. Use barrier skin cream.



Revision Date: 03/15/2019

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Yellow
Odor: ester-like
Odor Threshold: not measured

pH: Not applicableFreezing point: not measuredBoiling Point: not measured

Flash Point: 73 °F (DIN EN ISO 2719)

Evaporation Rate: not measured **Flammability (solid, gas):** no data available

Explosive limit - upper (%):

Explosive limit - lower (%):

Vapor pressure:

Not measured

not measured

not measured

not measured

Density: 1.002 g/cm3 (25 °C) **Relative density:** No data available.

Solubility(ies)

Solubility in Water:
Solubility (other):

Partition coefficient (n-octanol/water):

Self Ignition Temperature:

Decomposition Temperature:

No data available.

Dynamic viscosity:

No data available.

460 mPa.s (25 °C)

Other information

Explosive properties:not measuredOxidizing properties:not oxidizingMinimum ignition temperature:not measured

Metal Corrosion: Not corrosive to metals

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: Unknown

Incompatible Materials: Unknown

Hazardous Decomposition

Products:

None with proper storage and handling.

11. Toxicological information



Revision Date: 03/15/2019

Information on likely routes of exposure

Inhalation: If handled correctly, not a relevant route of exposure. Information on effects

are given below.

Skin Contact: Relevant route of exposure. Information on effects are given below.

Eye contact: Relevant route of exposure. Information on effects are given below.

Ingestion: If handled correctly, not a relevant route of exposure. Information on effects

are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral

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

Dermal

Product: no data available

Inhalation

Product: no data available

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.

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



Revision Date: 03/15/2019

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: By analogy with a product of similar composition Vapours may cause

drowsiness and dizziness. Due to the composition of the product it cannot be excluded: 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: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.



Revision Date: 03/15/2019

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:

Butyl acetate No data available. 1-Methoxy-2- No data available.

Propylacetate

n-Decanol No data available.

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

classified as extremely hazardous to waters (according to the German Regulation on the Classification of Substances Hazardous to Waters

(WwSV).

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.

(Butyl acetates, 2-methoxy-1-methylethyl acetate)

Class : 3

Packing group : III

Labels : 3

ERG Code : 128

Marine pollutant : no

International Regulations

IATA-DGR

UN/ID No. : UN 1993

Proper shipping name : Flammable liquid, n.o.s.

(Butyl acetates, 2-methoxy-1-methylethyl acetate)



Revision Date: 03/15/2019

Class : 3

Packing group : III

Labels : 3

Packing instruction (cargo

aircraft)

: 366

Packing instruction : 355

(passenger aircraft)

IMDG-Code

UN number : UN 1993

Proper shipping name : FLAMMABLE LIQUID, N.O.S.

(Butyl acetates, 2-methoxy-1-methylethyl acetate)

Class : 3
Packing group : III
Labels : 3

EmS Code : F-E, <u>S-E</u>

Marine pollutant : no

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):

Chemical Identity Reportable quantity

Butyl acetate 5000 lbs.



Revision Date: 03/15/2019

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>

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

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)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient requiring a warning under CA Prop 65.

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

Chemical Identity

Butyl acetate

US. Massachusetts RTK - Substance List

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

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Butyl acetate n-Decanol

US. Rhode Island RTK

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

Inventory Status:

US TSCA Inventory: Included on Inventory.

Canada DSL Inventory List: Not in compliance with the

inventory.

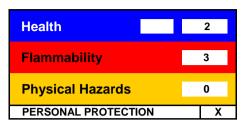
Canada NDSL Inventory: Included on Inventory.



Revision Date: 03/15/2019

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

HMIS Hazard ID



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: 03/15/2019

Version #: 1.0

Further Information: none

Revision Information: Changes since the last version are highlighted in the margin. This version

replaces all previous versions.

Disclaimer: This information and any recommendations, technical or otherwise, are

presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES

OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE

ACCURACY, COMPLETENESS, NON-INFRINGEMENT,

MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or

subsequent notice.