

SAFETY DATA SHEET

1. Identification

Product identifier: TEGO® Dispers 658

Chemical name: Modified polyether

Other means of identification

Recommended use: Industrial use

Recommended restrictions: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Operations GmbH
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45128 Essen
Germany

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2. Hazard(s) identification

Classification according to GHS

Health Hazards

Acute toxicity (Oral) Category 4

Serious Eye Damage/Eye Irritation Category 1

Environmental Hazards

Acute hazards to the aquatic environment Category 2

Label Elements

Hazard Symbol:



Signal Word: Danger

Hazard Statement: Harmful if swallowed.
 Causes serious eye damage.
 Toxic to aquatic life.

Precautionary Statements

Prevention: Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear eye protection/face protection.

Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.

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:
 Modified polyether

Mixtures

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Alcohols C9-11, ethoxylated	No data available.	68439-46-3	30 - 60%
Modified polyether	No data available.	83653-00-3	30 - 60%
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	No data available.	615536-77-1	<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:	Immediately remove contaminated clothing.
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 plenty of water and seek medical advice
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:	Risk of serious damage to eyes.
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 fire-fighters

Special fire-fighting procedures: No specific precautions.

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

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:	Pick up with absorbent material (e.g. sand, sawdust, general-purpose 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

Observe national threshold limit values.

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:	Tightly fitting safety goggles

Skin Protection

Hand Protection:	Material: Nitrile rubber. Break-through time: 480 min Glove thickness: 0,1 mm
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. When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical state:	liquid
Form:	liquid
Color:	yellowish
Odor:	specific to the product
Odor Threshold:	not measured
Freezing point:	not measured
Boiling Point:	not measured
Flammability:	not measured

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	not measured
Explosive limit - lower:	not measured
Flash Point:	342 °F/172 °C (DIN EN ISO 2719)
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
pH:	not measured

Viscosity

Dynamic viscosity:	< 200 mPa.s (77 °F/25 °C)
Kinematic viscosity:	< 200 mm ² /s (77 °F/25 °C, calculated)
Flow Time:	No data available.

Solubility(ies)

Solubility in Water:	not measured
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured

Vapor pressure: not measured

Relative density: not measured

Density: 1,034 g/cm³ (77 °F/25 °C)

Bulk density: No data available.

Relative vapor density: not measured

Other information

Explosive properties:	not measured
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 (ATEmix): 714 mg/kg
Components:	
Alcohols C9-11, ethoxylated	LD 50 (Acute toxicity estimate): 500 mg/kg
Modified polyether	LD 50 (Rat): > 2.000 mg/kg
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	LD 50 (Rat): > 2.000 mg/kg

Dermal

Product:	No data available.
Components:	

Alcohols C9-11, ethoxylated	No data available.
Modified polyether	No data available.
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	No data available.

Inhalation

Product:	No data available.
Components:	
Alcohols C9-11, ethoxylated	Vapour, No data available. Dusts, mists and fumes, No data available.
Modified polyether	Vapour, No data available. Dusts, mists and fumes, No data available.
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	Vapour, No data available. Dusts, mists and fumes, No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Alcohols C9-11, ethoxylated	No data available.
Modified polyether	No data available.
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	No data available.

Skin Corrosion/Irritation

Product:	No data available.
Components:	
Alcohols C9-11, ethoxylated	No data available.
Modified polyether	OECD 404 (Rabbit): Not irritating
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	OECD 404 (Rabbit): Not irritating

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
Alcohols C9-11, ethoxylated	Risk of serious damage to eyes.
Modified polyether	OECD 405 (Rabbit): Not irritating
Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block	OECD 405 (Rabbit): Not irritating

Respiratory or Skin Sensitization

Product:	No data available.
Components:	

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Carcinogenicity

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Germ Cell Mutagenicity

No data available.

In vitro

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

In vivo

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Reproductive toxicity

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Aspiration Hazard

Product: Not classified

Components:

Alcohols C9-11, ethoxylated Not classified

Modified polyether Not classified

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block 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.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether LC 50 (Danio rerio, 96 h): 33,3 mg/l

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block LC 50 (Danio rerio, 96 h): 33,3 mg/l

Aquatic Invertebrates

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether EC 50 (Daphnia magna, 48 h): 16,6 mg/l

Oxirane, phenyl-, EC 50 (Daphnia magna, 48 h): 16,6 mg/l

polymer with oxirane,
monomethyl ether, block

Toxicity to Aquatic Plants

Product: No data available.

Components:

Alcohols C9-11,
ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer
with oxirane, monomethyl
ether, block No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Alcohols C9-11,
ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer
with oxirane, monomethyl
ether, block No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Components:

Alcohols C9-11,
ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-,
polymer with oxirane,
monomethyl ether, block No data available.

Aquatic Invertebrates

Product: No data available.

Components:

Alcohols C9-11,
ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-,
polymer with oxirane,
monomethyl ether, block No data available.

Toxicity to Aquatic Plants

Product: No data available.

Components:

Alcohols C9-11,
ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer
with oxirane, monomethyl
ether, block No data available.

Toxicity to microorganisms

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Persistence and Degradability

Biodegradation

Product: > 60 % (28 d, OECD 301 F) The product is easily biodegradable. Own study

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether The product is not biodegradable.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block The product is not biodegradable.

BOD/COD Ratio

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: not measured

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer with oxirane, monomethyl ether, block No data available.

Mobility in soil:

Product No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer No data available.

with oxirane, monomethyl

ether, block

Product No data available.

Components:

Alcohols C9-11, ethoxylated No data available.

Modified polyether No data available.

Oxirane, phenyl-, polymer No data available.

with oxirane, monomethyl

ether, block

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

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

16. Other information, including date of preparation or last revision**Issue Date:** 07.10.2019**Version #:** 1.5**Further Information:** No data available.**Revision Information:** Changes since the last version are highlighted in the margin. This version replaces all previous versions.**Disclaimer:** This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.