

Safety Data Sheet

according to Regulation (EC) No 1907/2006

EHRLE TS HochglanzTrockner

Print date: 10.08.2015

Product code: k2040_sd

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

EHRLE TS HochglanzTrockner

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Product for automatic vehicle washing systems

1.3. Details of the supplier of the safety data sheet

Company name: EHRLE Reinigungstechnik GmbH

Street: Siemensstr. 9

Place: D-89257 Illertissen

Telephone: 07303 1600 0

Telefax: 07303 1600 60

e-mail: info@ehrle.com

1.4. Emergency telephone number:

+49 7303-160016

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Directive 67/548/EEC or 1999/45/EC

Indications of danger: Xi - Irritant, N - Dangerous for the environment

R phrases:

Irritating to eyes and skin.

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard Statements:

Causes serious eye irritation.

Causes skin irritation.

Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Signal word:

Warning

Pictograms:

GHS07-GHS09



Hazard statements

H319

Causes serious eye irritation.

H315

Causes skin irritation.

H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

P273

Avoid release to the environment.

P280

Wear protective gloves/eye protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3. Other hazards

None known.

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SECTION 3: Composition/information on ingredients

(according to 648/2004/CE)

3.2. Mixtures

Chemical characterization

cationic compounds, solubilizers, maintenance substances, dyes

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
	Mixture of cationic ammine salts	15 - < 20 %
-mixture	Xi - Irritant, N - Dangerous for the environment R36/38-50-53	
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1; H315 H319 H400 H410	
500-013-6	Tetraethylene glycolmonophenyl ether	5 - < 10 %
9004-78-8	Xn - Harmful R22	
	Acute Tox. 4; H302	
200-661-7	Isopropyl alcohol	1 - < 5 %
67-63-0	F - Highly flammable, Xi - Irritant R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R, H and EUH phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Avoid contact with skin and eyes.

After inhalation

not hazardous by inhalation

After contact with skin

Wash off with soap and water.

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

After ingestion

Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

This information is not available.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Any extinguishing means and measures are acceptable.

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5.2. Special hazards arising from the substance or mixture

This information is not available.

5.3. Advice for firefighters

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Wipe up with absorbent material (e.g. cloth, fleece). After cleaning, flush away traces with water. Never return spills in original containers for re-use.

6.4. Reference to other sections

Never return spills in original containers for re-use.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Not required

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store at room temperature in the original container. Store in a place accessible by authorized persons only.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep container tightly closed.
Never return unused material to storage receptacle.
Protect from frost.

7.3. Specific end use(s)

This information is not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

8.2. Exposure controls

Appropriate engineering controls

Not required

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Protective and hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Eyeface protection

Tightly fitting safety goggles

Hand protection

Protective gloves

Recommendation: Nitrile gloves with a coating thickness of 0.4 mm which protect at least 8 hours (corresponds to the permeability level 6 of the European norm DIN/EN 374) and provide a resistance to swelling of < 15%.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: yellow
Odour: characteristic

pH-Value (at 20 °C):

Test method
5,0 K-QP1012C

Changes in the physical state

Melting point: <-8 °C
Initial boiling point and boiling range: >78 °C
Sublimation point: not applicable
Softening point: not applicable
Pour point: not applicable
Flash point: >60 °C

Flammability

Solid: not applicable
Gas: not applicable

Explosive properties

Not explosive

Lower explosion limits: not applicable
Upper explosion limits: not applicable
Ignition temperature: >200 °C

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not relevant

Vapour pressure: not determined

Density (at 20 °C): 0,99 g/cm³ K-QP1012E

Water solubility: completely miscible
(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient: not determined

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Viscosity / dynamic: not determined
Viscosity / kinematic: not determined
Flow time: not determined
Vapour density: not determined
Evaporation rate: not determined

9.2. Other information

Solid content: not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

This information is not available.

10.2. Chemical stability

This information is not available.

10.3. Possibility of hazardous reactions

This information is not available.

10.4. Conditions to avoid

Do not expose to temperatures above 35 °C.

10.5. Incompatible materials

This information is not available.

10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

Further information

Do not mix with other detergents or chemicals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name	Exposure routes	Method	Dose	Species	Source
9004-78-8	Tetraethylene glycolmonophenyl ether	oral	ATE	500 mg/kg		

Irritation and corrosivity

Causes serious eye irritation.

Causes skin irritation.

Sensitising effects

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

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Aspiration hazard

Based on available data, the classification criteria are not met.

Further information

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information**12.1. Toxicity**

No data is available on the product itself.

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
-mixture	Mixture of cationic ammine salts					
	Acute fish toxicity	LC50	1,8 mg/l	96 h	Leuciscus idus (Golden orfe)	
	Acute algae toxicity	ErC50	> 0,4 mg/l	72 h	Pseudokirchneriella subcapitata (green algae)	
	Acute crustacea toxicity	EC50	0,065 mg/l	48 h	Daphnia magna (Water flea)	
	Acute bacteria toxicity		(564 mg/l)	3 h		

12.2. Persistence and degradability

Cationic compounds are biodegradable only in high dilution. They are adequate diluted in sewage and become inactive through contact with other waste-water substances. Therefore solutions could be disposed of in the sewerage system.

12.3. Bioaccumulative potential

This information is not available.

12.4. Mobility in soil

The formulation of the product does not contain halogen organic compounds (AOX) or AOX forming halogen compounds.

12.5. Results of PBT and vPvB assessment

This information is not available.

12.6. Other adverse effects

This information is not available.

Further informationChemical Oxygen Demand (COD) 1665 mg O₂/g.

The product is tested according to its influences in waste water and corresponds to ÖNORM B 5106 (Austrian standard).

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

Container should be emptied thoroughly.
Do not pour remains of product in large quantities into the sewage.

Waste disposal number of waste from residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Waste disposal number of used product

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

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Contaminated packaging

Clean container with water. Cans or containers must be cleaned and returned to the manufacturers for recycling.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: not applicable

14.6. Special precautions for user

Not required

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

not applicable

Other applicable information

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 2 / 3

Relevant R-phrases (Number and full text)

- | | |
|-------|---|
| 11 | Highly flammable. |
| 22 | Harmful if swallowed. |
| 36 | Irritating to eyes. |
| 36/38 | Irritating to eyes and skin. |
| 50 | Very toxic to aquatic organisms. |
| 53 | May cause long-term adverse effects in the aquatic environment. |
| 67 | Vapours may cause drowsiness and dizziness. |

Relevant H- and EUH-phrases (Number and full text)

- | | |
|------|---|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)