

Safety Data Sheet

according to Regulation (EC) No 1907/2006

CONVOClean new S

Print date: 11.07.2014

Product code: 3050884

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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

Restricted to professional users.

1.3. Details of the supplier of the safety data sheet

Company name:	Convotherm Elektrogeräte GmbH	
Street:	Talstr. 35	
Place:	D-82436 Eglfing	
Telephone:	+49 8847 67 0	Telefax: +49 8847 414
Contact person:	Kundendienst - after sales	

1.4. Emergency telephone number: +49 89 19240 Giftnotruf Rechts der Isar 24h Mo-So

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Indications of danger: Xi - Irritant
 R phrases:
 Irritating to eyes, respiratory system and skin.

GHS classification

Hazard categories:
 Skin corrosion/irritation: Skin Irrit. 2
 Serious eye damage/eye irritation: Eye Irrit. 2
 Specific target organ toxicity - single exposure: STOT SE 3
 Hazard Statements:
 May cause respiratory irritation.
 Causes serious eye irritation.
 Causes skin irritation.

2.2. Label elements**Hazardous components which must be listed on the label**

Potassium carbonate

Signal word: Warning

Pictograms: GHS07

**Hazard statements**

H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.

Precautionary statements

P234	Keep only in original container.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P332+P313	If skin irritation occurs: Get medical advice/attention.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P362 Take off contaminated clothing.
 P312 Call a POISON CENTER/doctor if you feel unwell.

2.3. Other hazards

No risks worthy of mention.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification	
Index No	GHS classification	
REACH No		
209-529-3	Potassium carbonate	30 - < 35 %
584-08-7	Xi - Irritant R36/37/38	
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
215-090-9	Xylenesulfonic acid	1 - < 5 %
1300-72-7	Xi - Irritant R36	
216-700-6	Lauramine oxide	1 - < 5 %
1643-20-5	Xi - Irritant R38-41	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 2, Aquatic Chronic 2; H315 H318 H401 H411	
01-2119490061-47		

Full text of R and H phrases: see Section 16.

Labelling for contents according to Regulation (EC) No 648/2004

< 5 % phosphates, < 5 % phosphonates, < 5 % non-ionic surfactants, < 5 % anionic surfactants, < 5 % amphoteric surfactants

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Change contaminated clothing.

After inhalation

In case of inhaling spray mist, consult a physician.

After contact with skin

Subsequently wash off with: Water.

After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Protect uninjured eye. Consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Medical treatment necessary.

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

The following symptoms may occur: gastro-intestinal ailment. Nausea. Caution if victim vomits: Risk of aspiration! Subsequent observance for pneumonia and lung oedema. If swallowed, immediately drink: Water.

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

Treatment: First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixtureIn case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).**5.3. Advice for firefighters**

The product itself does not burn. Use appropriate respiratory protection.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. High slip hazard because of leaking or spilled product.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Treat the recovered material as prescribed in the section on waste disposal. Suitable material for diluting or neutralizing: Water. Acetic acid, diluted.

6.4. Reference to other sections

See protective measures under point 7 and 8. + 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

No special handling instructions are necessary.

Advice on protection against fire and explosion

The product itself does not burn.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Suitable material for Container: polyethylene.

Advice on storage compatibility

Materials to avoid: acid.

Further information on storage conditions

Do not store at temperatures under: 5°C.

7.3. Specific end use(s)

Observe instructions for use.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

See chapter 7. No additional measures necessary.

8.2. Exposure controls**Appropriate engineering controls**

Refer to chapter 7. No further action is necessary.

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Protective and hygiene measures

Avoid contact with skin and eyes.

Eye/face protection

It is recommended to wear tightly fitting safety glasses.

Hand protection

It is recommended to wear special 0.11mm-layer gloves produced out of nitrile by KCL company (Dermatril, item nr. 740).

Skin protection

No special measures are necessary.

Respiratory protection

Respiratory protection necessary at: aerosol or mist generation. Suitable respiratory protective equipment: particulates filter device (DIN EN 143). P1 / P2

Environmental exposure controls

No special measures are necessary.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	light brown
Odour:	odourless

Test method

pH-Value (at 20 °C): 11,3

Changes in the physical state

Melting point: not applicable

Initial boiling point and boiling range: > 100 °C

Softening point: not applicable

Flash point: not applicable

Explosive properties

not explosive.

Lower explosion limits: not applicable

Upper explosion limits: not applicable

Ignition temperature: not applicable

Vapour pressure: 23 hPa

(at 20 °C)

Vapour pressure: 123 hPa

(at 50 °C)

Density (at 20 °C): 1,367 g/cm³

Bulk density: not applicable

Water solubility: miscible

(at 20 °C)

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

Solvent content: not applicable

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9.2. Other information

Solid content:

ca. 35 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with : acid.

10.2. Chemical stability

not relevant

10.3. Possibility of hazardous reactions

Exothermic reactions with:acid.

10.4. Conditions to avoid

Protect against direct sunlight.

10.5. Incompatible materials

acid.

10.6. Hazardous decomposition products

Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

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

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
584-08-7	Potassium carbonate				
	oral	LD50	> 2000 mg/kg	Rat	
1300-72-7	Xylenesulfonic acid				
	oral	LD50	7200 mg/kg	Rat	
	dermal	LD50	> 2000 mg/kg	Rabbit.	
	inhalative (4 h) vapour	LC50	557 mg/l	Rat	
1643-20-5	Lauramine oxide				
	oral	LD50	> 2000 mg/kg	Rat	OECD 401
	dermal	LD50	> 2000 mg/kg	Rat	OECD 402

Irritation and corrosivity

Causes serious eye irritation.

Causes skin irritation.

In rare cases the product can cause temporary erythema of the skin. Irritant effect on the eye: slightly irritant but not relevant for classification.

Sensitising effects

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

no danger of sensitization.

STOT-single exposure

May cause respiratory irritation. (Potassium carbonate)

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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.

The ingredients in this mixture do not meet the criteria for classification as CMR category 1 or 2.

Aspiration hazard

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

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

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
584-08-7	Potassium carbonate					
	Acute fish toxicity	LC50	< 510 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	650 mg/l	48 h	Daphnia magna	
1300-72-7	Xylenesulfonic acid					
	Acute fish toxicity	LC50	> 400 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	> 400 mg/l	48 h	Daphnia magna	
1643-20-5	Lauramine oxide					
	Acute fish toxicity	LC50	1,26 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50	0,19 mg/l	72 h		
	Acute crustacea toxicity	EC50	2,9 mg/l	48 h	Daphnia magna (Big water flea)	OECD 202
	crustacea toxicity	NOEC	0,70 mg/l	21 d	Daphnia magna (Big water flea)	OECD 211

12.2. Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1300-72-7	Xylenesulfonic acid	< - 1
1643-20-5	Lauramine oxide	< 2,7

12.4. Mobility in soil

If product enters soil, it will be mobile and may contaminate groundwater.

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects

none

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

Dispose of waste according to applicable legislation.

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Waste disposal number of waste from residues/unused products

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of used product

200130 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents other than those mentioned in 20 01 29

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Water. Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

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

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)**Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)**Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

Air transport (ICAO)**Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

not relevant

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

not relevant

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

1999/13/EC (VOC): not relevant

Additional information

The classification was carried out for tested properties according to the substance directive (67/548/EWG), annex VI, otherwise according to the calculation procedure described in the preparation directive (1999/45/EG). The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

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National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

SECTION 16: Other information**Changes**

* Data changed compared with the previous version

Full text of R phrases referred to under Sections 2 and 3

- | | |
|----------|--|
| 36 | Irritating to eyes. |
| 36/37/38 | Irritating to eyes, respiratory system and skin. |
| 38 | Irritating to skin. |
| 41 | Risk of serious damage to eyes. |

Full text of H statements referred to under Sections 2 and 3

- | | |
|------|--|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H401 | Toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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