

Safety data sheet

ST M5



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

1.1. Product identifier

Code: 1OVENLIQDEGR
Product name: OVEN LIQUID DEGREASER
UFI: 3CF0-F0SP-200G-419R

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

Intended use: Concentrated degreaser for self-cleaning ovens

Identified Uses	Industrial	Professional	Consumer
OVENS DETERGENT	-	✓	-
Uses Advised Against			
CONSUMER USE			

1.3. Details of the supplier of the safety data sheet

Name: RM GASTRO CZ s.r.o.
Full address: Náchodská 818/16
District and Country: 193 00 Praha 9 - H. Počernice
Czech Republic
Tel.: +420 281 926 604

e-mail address of the competent person responsible for the Safety Data Sheet: obchod@rmgastro.com

1.4. Emergency telephone number

For urgent inquiries refer to

UK: Call NHS 111 or a Doctor
IRELAND: Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Number: +353 (0)1 809 2166

ISALND: 24 hours a day. Phone: +543 2222 or 112

A list of Poison Control Centers is available at the following link:
http://www.who.int/gho/phe/chemical_safety/poisons_centres/en/

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2015/830.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Acute toxicity, category 4	H302	Harmful if swallowed.
Skin corrosion, category 1A	H314	Causes severe skin burns and eye damage.
Serious eye damage, category 1	H318	Causes serious eye damage.

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SECTION 2. Hazards identification ... / >>

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

Precautionary statements:

P260 Do not breathe dust / fume / gas / mist / vapours / spray.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P280 Wear protective gloves/ protective clothing / eye protection / face protection.
P310 Immediately call a POISON CENTER / doctor
P264 Wash the skin thoroughly after use.

Contains: Potassium hydroxide
Sodium hydroxide
(C9-C11)Alkyl alcohol ethoxylate

Ingredients according to Regulation (EC) No. 648/2004

Less than 5% phosphates, non-ionic surfactants

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Potassium hydroxide		
CAS	1310-58-3 8,6 \leq x < 16,65	Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1A H314, Eye Dam. 1 H318
EC	215-181-3	
INDEX	019-002-00-8	
Reg. no.	01-2119487136-33-XXXX	
sodium (xylenes and 4-ethylbenzene) sulfonate		
CAS	1 \leq x < 5	Eye Irrit. 2 H319
EC	701-037-1	
INDEX		
Reg. no.	01-2119513350-56-XXXX	
(C9-C11)Alkyl alcohol ethoxylate		
CAS	68439-46-3 1 \leq x < 3	Acute Tox. 4 H302, Eye Dam. 1 H318
EC		
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SECTION 3. Composition/information on ingredients ... / >>

Amines, C12-14-alkyldimethyl,N-oxides

CAS 308062-28-4 $0,1 \leq x < 0,15$

EC 931-292-6

INDEX

Reg. no. 01-2119490061-47-XXXX

Sodium hydroxide

CAS 1310-73-2 $0 \leq x < 0,05$

EC 215-185-5

INDEX 011-002-00-6

Reg. no. 01-2119457892-27-XXXX

Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

Met. Corr. 1 H290, Skin Corr. 1A H314, Eye Dam. 1 H318

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

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SECTION 6. Accidental release measures ... / >>

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Ensure that there is an adequate earthing system for the equipment and personnel. In order to avoid the risk of fires and explosions, never use compressed air when handling. Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Avoid leakage of the product into the environment. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep the product in clearly labelled containers. Keep containers well sealed. Store in a ventilated and dry place, far away from sources of ignition. Avoid violent blows. Avoid overheating. Avoid contact with water.

Storage class TRGS 510 (Germany): 8A

7.3. Specific end use(s)

See the exposure scenarios attached to this safety datasheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2019
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
POL	Polska	Rozporządzenie Ministra Rodziny, Pracy i Polityki Społecznej z dnia 12 czerwca 2018 r. w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
ROU	România	Hotararea 157/2020 pentru modificarea Hotărârii Guvernului nr. 1.218/2006 privind stabilirea cerințelor minime de securitate și sănătate în muncă pentru asigurarea protecției lucrătorilor împotriva riscurilor legate de prezența agenților chimici, precum și pentru modificarea și completarea Hotărârii Guvernului nr. 1.093/2006 privind stabilirea cerințelor minime de securitate și sănătate pentru protecția lucrătorilor împotriva riscurilor legate de expunerea la agenți cancerigeni sau mutageni la locul de muncă
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.

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SECTION 8. Exposure controls/personal protection ... / >>

Sodium hydroxide

Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m ³	ppm	mg/m ³	ppm			
VLA	ESP	2						
VLEP	FRA	2						
NDS/NDSch	POL	0,5		1				
TLV	ROU	1		3				
OEL	EU			2 (C)				
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation			1				1	
			mg/m ³ 4h				mg/m ³ 4h	

Amines, C12-14-alkyldimethyl,N-oxides

Predicted no-effect concentration - PNEC						
Normal value in fresh water		0,0335	mg/l			
Normal value in marine water		0,00335	mg/l			
Normal value for fresh water sediment		5,24	mg/kg			
Normal value for marine water sediment		0,524	mg/kg			
Normal value for water, intermittent release		0,0335	mg/l			
Normal value of STP microorganisms		24	mg/l			
Normal value for the food chain (secondary poisoning)		11,1	mg/kg			
Normal value for the terrestrial compartment		1,02	mg/kg			
Health - Derived no-effect level - DNEL / DMEL						
Route of exposure	Effects on consumers			Effects on workers		
	Acute	Acute	Chronic	Chronic	Acute	Chronic
	local	systemic	local	systemic	local	systemic
Oral				0,44		
				mg/kg/d		
Inhalation				1,53		6,2
				mg/m ³ 4h		mg/m ³
Skin				5,5		11
				mg/kg/d		mg/kg
						bw/d

Potassium hydroxide

Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks / Observations		
		mg/m ³	ppm	mg/m ³	ppm			
TLV	DNK	2		2				
VLA	ESP	2						
VLEP	FRA			2				
AK	HUN	2		2				
NDS/NDSch	POL	0,5		1				
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation				1				1
				mg/m ³				mg/m ³

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SECTION 8. Exposure controls/personal protection ... / >>

sodium (xylenes and 4-ethylbenzene) sulfonate

Predicted no-effect concentration - PNEC								
Normal value in fresh water					0,23		mg/l	
Normal value for water, intermittent release					2,3		mg/l	
Normal value of STP microorganisms					100		mg/l	
Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3,8 mg/kg/d				
Inhalation				13,2 mg/m ³ 4h				53,6 mg/m ³ 4h
Skin				3,8 mg/kg/d				7,6 mg/kg/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

When choosing risk management measures and operating conditions, consult the exposure scenarios attached.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category III professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

In the presence of risks of exposure to splashes or squirts during work, adequate mouth, nose and eye protection should be used to prevent accidental absorption.

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	fluorescent yellow	
Odour	characteristic of solvent	
Odour threshold	Not available	
pH	13	
Melting point / freezing point	Not available	
Initial boiling point	Not available	

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SECTION 9. Physical and chemical properties ... / >>

Boiling range	Not available	Reason for missing data: No flammable ingredients are contained in the formula
Flash point	Not applicable	
Evaporation rate	Not available	
Flammability (solid, gas)	Not relevant based on physical state	
Lower inflammability limit	Not available	
Upper inflammability limit	Not available	
Lower explosive limit	Not available	
Upper explosive limit	Not available	
Vapour pressure	Not available	
Vapour density	Not available	
Relative density	1,2	
Solubility	soluble in water	
Partition coefficient: n-octanol/water	Not available	
Auto-ignition temperature	Not available	
Decomposition temperature	Not available	
Viscosity	Not available	
Explosive properties	Not available	
Oxidising properties	Not available	

9.2. Other information

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

The product can decompose and/or react violently.

10.2. Chemical stability

See previous paragraph.

10.3. Possibility of hazardous reactions

See paragraph 10.1.

10.4. Conditions to avoid

As the product decomposes even at ambient temperature, it must be stored and used at a controlled temperature. Avoid violent blows.

10.5. Incompatible materials

Information not available

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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SECTION 11. Toxicological information ... / >>

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	1785,71 mg/kg
ATE (Dermal) of the mixture:	Not classified (no significant component)

(C9-C11)Alkyl alcohol ethoxylate	
LD50 (Oral)	500 mg/kg Rat
LD50 (Dermal)	> 2000 mg/kg Rat

Amines, C12-14-alkyldimethyl,N-oxides	
LD50 (Oral)	1064 mg/kg Rat
LD50 (Dermal)	> 2000 mg/kg Rat

Potassium hydroxide	
LD50 (Oral)	333 mg/kg

sodium (xylenes and 4-ethylbenzene) sulfonate	
LD50 (Oral)	> 7200 mg/kg Rat
LD50 (Dermal)	> 2000 mg/kg Rabbit
LC50 (Inhalation)	> 6,41 mg/l/4h Rat

Sodium hydroxide

According to the CLP regulation, annex VI, table 3.1, the concentration limit for corrosivity of NaOH is considered equal to 2%. Until the most recent ATP, this has not been changed. Therefore, 2% is brought to the characterization of the risk as a concentration limit for corrosivity.

SKIN CORROSION / IRRITATION

Corrosive for the skin
Classification according to the experimental Ph value

Amines, C12-14-alkyldimethyl,N-oxides
Causes skin irritation

Potassium hydroxide
Corrosive to the skin

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

Amines, C12-14-alkyldimethyl,N-oxides
Strongly corrosive

Potassium hydroxide
Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

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SECTION 11. Toxicological information ... / >>

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Sodium hydroxide	
LC50 - for Fish	125 mg/l/96h <i>Gambusia affinis</i>
EC50 - for Crustacea	40,4 mg/l/48h <i>Ceriodaphnia dubia</i>
Chronic NOEC for Fish	56 mg/l <i>Poecilia reticulata</i>

(C9-C11)Alkyl alcohol ethoxylate	
LC50 - for Fish	> 5 mg/l/96h
EC50 - for Crustacea	2,5 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 1,4 mg/l/72h
LC10 for Fish	8,98 mg/l/21 d

Amines, C12-14-alkyldimethyl,N-oxides	
LC50 - for Fish	2,67 mg/l/96h
EC50 - for Crustacea	3,1 mg/l/48h
EC50 - for Algae / Aquatic Plants	0,146 mg/l/72h
Chronic NOEC for Fish	0,42 mg/l
Chronic NOEC for Crustacea	0,7 mg/l
Chronic NOEC for Algae / Aquatic Plants	0,067 mg/l

Potassium hydroxide	
LC50 - for Fish	80 mg/l/96h
EC50 - for Crustacea	80 mg/l/48h

sodium (xylenes and 4-ethylbenzene) sulfonate	
LC50 - for Fish	1000 mg/l/96h <i>Oncorhynchus mykiss</i>
EC50 - for Crustacea	1000 mg/l/48h <i>Daphnia magna</i>

12.2. Persistence and degradability

Sodium hydroxide
According to REACH, the study does not need to be conducted if the substance is inorganic (Annex VII, adaptation column 2).

(C9-C11)Alkyl alcohol ethoxylate
Rapidly degradable

Amines, C12-14-alkyldimethyl,N-oxides	
Rapidly degradable	>60%, 28d, OECD 301B

Potassium hydroxide
NOT rapidly degradable

sodium (xylenes and 4-ethylbenzene) sulfonate	
Rapidly degradable	100%, 28d, OECD 301B

12.3. Bioaccumulative potential

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SECTION 12. Ecological information ... / >>

Sodium hydroxide

According to the REACH regulation, the study does not need to be conducted if the substance has a low bioaccumulation potential (Annex IX, adaptation column 2).

sodium (xylenes and 4-ethylbenzene) sulfonate
BCF < 2,3

12.4. Mobility in soil

Sodium hydroxide

According to REACH, an adsorption / desorption study is not required if, based on the physico-chemical properties, the substance can be expected to have a low adsorption potential (Annex VIII, column 2 adaptation).

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage \geq than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: 1719

14.2. UN proper shipping name

ADR / RID: CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide)

IMDG: CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide)

IATA: CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide)

14.3. Transport hazard class(es)

ADR / RID: Class: 8 Label: 8



IMDG: Class: 8 Label: 8



IATA: Class: 8 Label: 8



14.4. Packing group

ADR / RID, IMDG, IATA: II

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SECTION 14. Transport information ... / >>

14.5. Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 80 Special provision: -	Limited Quantities: 1 L	Tunnel restriction code: (E)
IMDG:	EMS: F-A, S-B	Limited Quantities: 1 L	
IATA:	Cargo: Pass.: Special provision:	Maximum quantity: 30 L Maximum quantity: 1 L A3, A803	Packaging instructions: 855 Packaging instructions: 851

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product		
Point	3	
Contained substance		
Point	75	Sodium hydroxide Reg. no.: 01-2119457892-27-XXXX
Point	75	Potassium hydroxide Reg. no.: 01-2119487136-33-XXXX
Point	75	Trisodium 8-hydroxyppyrene-1,3,6-trisulphonate

Regulation (EC) No. 2019/1148 - on the marketing and use of explosives precursors
Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Regulation (EC) No. 648/2004

Ingredients according to Regulation (EC) No. 648/2004

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

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 1: Low hazard to waters

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SECTION 15. Regulatory information ... / >>

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1A	Skin corrosion, category 1A
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament

Safety data sheet

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SECTION 16. Other information ... / >>

- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review:

The following sections were modified:

03 / 15.