

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifierCode: **U05175**
Product name: **IDROVAP H110****1.2. Relevant identified uses of the substance or mixture and uses advised against**Intended use: **Hyperactive detergent.**
Uses advised against: **Different uses than those intended.****1.3. Details of the supplier of the safety data sheet**Name: **CENTRO DISTRIBUZIONE UTENSILI SCPA**
Full address: **Via delle Gerole, 19**
District and Country: **20867 CAPONAGO (MB)**
ITALY
tel. **+39 02 95746081**
fax. **+ 39 02 95745182**e-mail address of the competent person
responsible for the Safety Data Sheet
Product distribution by:**info@cdu.net**
Centro Distribuzione Utensili Scpa**1.4. Emergency telephone number**For urgent inquiries refer to **+39 02 95746081 during office hours 8.30-12.30 - 13.30-17.30**

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:

Skin corrosion, category 1B: **H314** Causes severe skin burns and eye damage.
Serious eye damage, category 1: **H318** Causes serious eye damage.**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:

H314 Causes severe skin burns and eye damage.

Precautionary statements:

P501 Dispose of contents / container to in accordance with local and national regulations.
P102 Keep out of reach of children.



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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.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Contains: POTASSIUM HYDROXIDE
DISODIUM METASILICATE

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

Less than 5% anionic surfactants
5% or over but less than 15% phosphates

2.3. Other hazards

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

SECTION 3. Composition/information on ingredients**3.2. Mixtures**

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
TETRAPOTASSIUM PYROPHOSPHATE		
CAS 7320-34-5	$4 \leq x \leq 5$	Eye Irrit. 2 H319
EC 230-785-7		
INDEX -		
Reg. no. 01-2119489369-18		
DISODIUM METASILICATE		
CAS 6834-92-0	$2 \leq x \leq 4$	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335
EC 229-912-9		
INDEX 014-010-00-8		
Reg. no. 01-2119449811-37		
POTASSIUM HYDROXIDE		
CAS 1310-58-3	$1,5 \leq x \leq 2,5$	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		
2-BUTOXYETHANOL		
CAS 111-76-2	$1,3 \leq x \leq 2,3$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315
EC 203-905-0		
INDEX 603-014-00-0		
Reg. no. 01-2119475108-36		
POLY(OXY-1,2-ETHANEDIOL)-PHENYL-HYDROXY PHOSPHATE		
CAS 39464-70-5	$0,8 \leq x \leq 1,8$	Eye Dam. 1 H318
EC -		
INDEX -		
PHOSPHORIC ACID ...%		
CAS 7664-38-2	$0,1 \leq x \leq 0,2$	Met. Corr. 1 H290, Skin Corr. 1B H314, Eye Dam. 1 H318, Classification note according to Annex VI to the CLP Regulation: B



EC 231-633-2

INDEX 015-011-00-6

Reg. no. 01-2119485924-24

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 for the doctor: symptomatically treatment.

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.

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.



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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. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany): 8A

7.3. Specific end use(s)

Hyperactive detergent.

SECTION 8. Exposure controls/personal protection**8.1. Control parameters**

Regulatory References:

AUS	Österreich	Grenzwerteverordnung 2011 - GKV 2011
BEL	Belgique	AR du 11/3/2002. La liste est mise à jour pour 2010
BGR	България	МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail 2014. / Grenzwerte am Arbeitsplatz
CYP	Κύπρος	Κ.Δ.Π. 268/2001; Κ.Δ.Π. 55/2004; Κ.Δ.Π. 295/2007; Κ.Δ.Π. 70/2012
CZE	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
DNK	Danmark	Graensevaerdier per stoffer og materialer
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
EST	Eesti	Töökeskonna keemiliste ohutegurite piinormid 1. Vastu võetud 18.09.2001 nr 293 RT I
FIN	Suomi	2001, 77, 460 - Redaktiooni jõustumise kp: 01.01.2008 HTP-arvot 2012. Haitallisiiksi tunnetut pitoisuudet - Sosiaali- ja terveystieteiden tutkimuskeskuksen julkaisu 2012:5
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
IRL	Éire	Code of Practice Chemical Agent Regulations 2011
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
LTU	Lietuva	DĖL LIETUVOS HIGIENOS NORMOS HN 23:2007 CHEMINIŲ MEDŽIAGŲ 2007 m. spalio 15 d. Nr. V-827/A1-287
LUX	Luxembourg	Règlement grand-ducal du 28 juillet 2011 modifiant le règlement grand-ducal modifié du 30 juillet 2002 concernant la protection de la santé et de la sécurité des travailleurs contre les risques liés à des agents chimiques sur le lieu de travail
LVA	Latvija	Ķīmisko vielu aroda ekspozīcijas robežvērtības (AER) darba vides gaisā 2012
NLD	Nederland	Databank of the social and Economic Council of Netherlands (SER) Values, AF 2011:18
NOR	Norge	Veiledning om Administrative normer for forurensning i arbeidsatmosfære
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017 r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diário da Republica I 26; 2012-02-06
ROU	România	Monitorul Oficial al României 44; 2012-01-19
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 20. júna 2007
SVN	Slovenija	Uradni list Republike Slovenije 04.06.2015 (1602) - Pravilnik o spremembah in dopolnitvah Pravilnika o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu

**CENTRO DISTRIBUZIONE UTENSILI SCPA**

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EN

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SWE Sverige Occupational Exposure Limit Values, AF 2011:18
TUR Türkiye KİMYASAL MADDELERLE ÇALIŞMALARDA SAĞLIK VE GÜVENLİK ÖNLEMLERİ
HAKKINDA YÖNETMELİK - Resmi Gazete Tarihi: 12.08.2013 Resmi Gazete Sayısı: 28733
EU OEL EU 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 91/322/EEC.
TLV-ACGIH ACGIH 2019

2-BUTOXYETHANOL

Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
MAK	AUS	98	20	200	40	SKIN
VLEP	BEL	98	20	246	50	SKIN
TLV	BGR	98		246		SKIN
VLE	CHE	49	10	98	20	SKIN
MAK	CHE	49	10	98	20	SKIN
TLV	CYP	98	20	246	50	SKIN
TLV	CZE	100		200		SKIN
AGW	DEU	49	10	196	40	SKIN
MAK	DEU	49	10	98	20	SKIN
TLV	DNK	98	20			SKIN
VLA	ESP	98	20	245	50	SKIN
TLV	EST	98	20	246	50	SKIN
HTP	FIN	98	20	246	50	SKIN
VLEP	FRA	49	10	246	50	SKIN
WEL	GBR	123	25	246	50	SKIN
TLV	GRC	120	25			
GVI	HRV	98	20	246	50	SKIN
AK	HUN	98		246		
OEL	IRL	98	20	246	50	SKIN
VLEP	ITA	98	20	246	50	SKIN
RD	LTU	50	10	100	20	SKIN
VL	LUX	98	20	246	50	SKIN
RV	LVA	98	20	246	50	SKIN
OEL	NLD	100		246		SKIN
TLV	NOR	50	10			SKIN
NDS	POL	98		200		
VLE	PRT	98	20	246	50	SKIN
TLV	ROU	150	30	250	50	SKIN
NPHV	SVK	98	20	246		SKIN
MV	SVN	98	20	245	50	SKIN
MAK	SWE	50	10	100	20	SKIN
ESD	TUR	98	20	246	50	SKIN
OEL	EU	98	20	246	50	SKIN

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TLV-ACGIH 97 20

Predicted no-effect concentration - PNEC

Normal value in fresh water	8,8	mg/l
Normal value in marine water	0,88	mg/l
Normal value for fresh water sediment	34,6	mg/kg
Normal value for marine water sediment	3,46	mg/kg
Normal value for water, intermittent release	9,1	mg/l
Normal value of STP microorganisms	463	mg/l
Normal value for the food chain (secondary poisoning)	20	mg/kg
Normal value for the terrestrial compartment	2,33	mg/kg

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	VND	26,7 mg/kg	VND	6,3 mg/kg				
Inhalation	147 mg/m3	426 mg/m3		59 mg/m3	VND	1091 mg/m3	246 mg/m3	98 mg/m3
Skin	VND	89 mg/kg	VND	75 mg/kg		89 mg/kg	VND	125 mg/kg

PHOSPHORIC ACID**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
MAK	AUS	1		2	
VLEP	BEL	1		2	
TLV	BGR	1		2	
VLE	CHE	1		2	
MAK	CHE	1		2	
TLV	CYP	1		2	
TLV	CZE	1		2	
AGW	DEU	2		4	INHAL
MAK	DEU	2		4	INHAL
TLV	DNK	1			
VLA	ESP	1		2	
HTP	FIN	1		2	
VLEP	FRA	1	0,2	2	0,5
WEL	GBR	1		2	
TLV	GRC	1		3	
GVI	HRV	1		2	
AK	HUN	1		2	
OEL	IRL	1		2	
VLEP	ITA	1		2	
RD	LTU	1		2	
VL	LUX	1		2	



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RV	LVA	1	2
OEL	NLD	1	2
TLV	NOR	1	
NDS	POL	1	2
VLE	PRT	1	2
TLV	ROU	1	2
NPHV	SVK	1	2
MV	SVN	1	2
MAK	SWE	1	3
ESD	TUR	1	2
OEL	EU	1	2
TLV-ACGIH		1	3

Health - Derived no-effect level - DNEL / DMEL								
Effects on consumers					Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			0,73 mg/m3	VND	VND	2 mg/m3	2,92 mg/m3	VND

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.

TLV of solvent mixture: 97 mg/m3

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.

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 II 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 airtight protective goggles (see standard EN 166).

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.

SECTION 9. Physical and chemical properties



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9.1. Information on basic physical and chemical properties

Appearance	clear liquid
Colour	colourless
Odour	characteristic
Odour threshold	Not available
pH	12 – 13 (Sol. 10%)
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation Rate	Not available
Flammability of solids and gases	Not applicable
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not applicable
Upper explosive limit	Not applicable
Vapour pressure	Not available
Vapour density	Not available
Relative density	1,08 - 1,10 Kg/l
Solubility	in water: total
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not applicable
Oxidising properties	Not available

9.2. Other information

VOC (Directive 2010/75/EC) : 2,30 % - 23,77 g/litre

VOC (volatile carbon) : 1,40 % - 14,48 g/litre

SECTION 10. Stability and reactivity**10.1. Reactivity**

There are no particular risks of reaction with other substances in normal conditions of use.

DISODIUM METASILICATE

Aqueous solutions act as: strong bases. Corrode: aluminum, zinc, tin, aluminum alloys, zinc alloys, tin alloys.

POTASSIUM HYDROXIDE

May develop: heat. May corrode: metals.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

PHOSPHORIC ACID

Decomposes at temperatures above 200°C/392°F.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

POTASSIUM HYDROXIDE



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Stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

TETRAPOTASSIUM PYROPHOSPHATE

May react dangerously with: strong acids, oxidising agents.

DISODIUM METASILICATE

May react violently with: acids.

POTASSIUM HYDROXIDE

Develops hydrogen on contact with: metals. Develops heat on contact with: strong acids. Reacts violently with: water.

2-BUTOXYETHANOL

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

PHOSPHORIC ACID

Risk of explosion on contact with: nitromethane. May react dangerously with: alkalis, sodium borohydride.

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

POTASSIUM HYDROXIDE

Avoid exposure to: sources of heat. Keep away from: oxidising agents, acids, flammable substances, halogens, organic substances. Keep away from: lead, aluminium, copper, tin, sulphur, bronze. Absorbs atmospheric CO₂. Unstable on exposure to air. Freezing.

2-BUTOXYETHANOL

Avoid exposure to: sources of heat, naked flames.

10.5. Incompatible materials

TETRAPOTASSIUM PYROPHOSPHATE

Avoid contact with: strong acids.

2-BUTOXYETHANOL

Avoid contact with: strong acids, strong oxidising agents.

PHOSPHORIC ACID

Incompatible with: metals, strong alkalis, aldehydes, organic sulphides, peroxides.

10.6. Hazardous decomposition products

POTASSIUM HYDROXIDE

May develop: flammable gases.

2-BUTOXYETHANOL

May develop: hydrogen. Develops: carbon oxides.

PHOSPHORIC ACID

May develop: phosphoryl oxides.

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 effectsMetabolism, 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

Information not available.



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Interactive effects

Information not available.

ACUTE TOXICITYLC50 (Inhalation) of the mixture: > 20 mg/l
LD50 (Oral) of the mixture: > 2000 mg/kg
LD50 (Dermal) of the mixture: > 2000 mg/kgPHOSPHORIC ACIDLD50 (Oral) 1530 mg/kg Rat
LD50 (Dermal) 2740 mg/kg Rabbit
LC50 (Inhalation) > 0,85 mg/l/1h RatPOTASSIUM HYDROXIDE

LD50 (Oral) 333 mg/kg Rat

DISODIUM METASILICATELD50 (Oral) 1152 mg/kg Rat
LD50 (Dermal) > 5000 mg/kg Rat
LC50 (Inhalation) > 2,06 g/m³ Rat2-BUTOXYETHANOLLD50 (Oral) 1300 mg/kg Guinea pig (OECD - 401)
LD50 (Dermal) > 2000 mg/kg Guinea pig (OECD - 402)
LC50 (Inhalation) > 400 ppm/7h Guinea pig (OECD - 403)TETRAPOTASSIUM PYROPHOSPHATELD50 (Oral) > 2000 mg/kg Rat
LD50 (Dermal) > 2000 mg/kg Rabbit (OECD - 402)
LC50 (Inhalation) > 1,1 mg/l Rat (OECD - 403)POLY(OXY-1,2-ETHANEDIOL)-PHENYL-HYDROXY PHOSPHATE

LD50 (Oral) > 2000 mg/kg Rat

SKIN CORROSION / IRRITATION

Corrosive for the skin.

SERIOUS EYE DAMAGE / IRRITATION

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

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.



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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**PHOSPHORIC ACID**

LC50 - for Fish	75,1 mg/l/96h <i>Oryzias latipes</i>
EC50 - for Crustacea	> 100 mg/l/48h <i>Daphnia magna</i>
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h <i>Desmodesmus subspicatus</i>

POTASSIUM HYDROXIDE

LC50 - for Fish	179 mg/l/96h <i>Pesce d'acqua dolce</i>
EC50 - for Crustacea	60 mg/l/48h <i>Daphnia magna</i>

DISODIUM METASILICATE

LC50 - for Fish	210 mg/l/96h <i>Brachydanio rerio</i>
EC50 - for Crustacea	1700 mg/l/48h <i>Daphnia magna</i>

2-BUTOXYETHANOL

LC50 - for Fish	1474 mg/l/96h <i>Onchorhynchus mykiss</i> (OECD - 203)
EC50 - for Crustacea	1550 mg/l/48h <i>Daphnia magna</i> (OECD - 202)
EC50 - for Algae / Aquatic Plants	1840 mg/l/72h <i>Pseudo Kirchneriella Subcapitata</i> (OECD - 201)
Chronic NOEC for Fish	> 100 mg/l <i>Brachydanio Rerio</i> (OECD 204)
Chronic NOEC for Crustacea	100 mg/l <i>Daphnia magna</i> (OECD - 211)

TETRAPOTASSIUM PYROPHOSPHATE

LC50 - for Fish	> 100 mg/l/96h <i>Oncorhynchus Mykiss</i> (OECD - 203)
EC50 - for Crustacea	> 100 mg/l/48h <i>Daphnia magna</i> (OECD - 202)
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h (OECD - 201)
Chronic NOEC for Fish	> 100 mg/l 96h - <i>Oncorhynchus Mykiss</i> , OECD 203
Chronic NOEC for Crustacea	> 100 mg/l 48h - <i>Daphnia magna</i> , OECD 202
Chronic NOEC for Algae / Aquatic Plants	> 100 mg/l 72h - OECD 201

POLY(OXY-1,2-ETHANEDIOL)-PHENYL-HYDROXY PHOSPHATE

LC50 - for Fish	> 100 mg/l/96h <i>Oncorhynchus mykiss</i>
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h <i>Pseudokirschnerella subcaptata</i>
Chronic NOEC for Fish	> 100 mg/l/96h <i>Oncorhynchus mykiss</i>
Chronic NOEC for Algae / Aquatic Plants	562,3 mg/l <i>Pseudokirschnerella subcaptata</i>

12.2. Persistence and degradability



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PHOSPHORIC ACID

Solubility in water > 850000 mg/l

Degradability: information not available

POTASSIUM HYDROXIDE

Solubility in water > 10000 mg/l

Degradability: information not available

DISODIUM METASILICATE

Solubility in water Soluble

Degradability: information not available

2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

TETRAPOTASSIUM PYROPHOSPHATE

Solubility in water > 10000 mg/l

Degradability: information not available

POLY(OXY-1,2-ETHANEDIOL)-PHENYL-HYDROXY PHOSPHATE

Solubility in water Soluble

NOT rapidly degradable

12.3. Bioaccumulative potential

2-BUTOXYETHANOL

Partition coefficient: n-octanol/water 0,81 Log Kow

BCF < 100

12.4. Mobility in soil

2-BUTOXYETHANOL

Partition coefficient: soil/water 2,82 Koc

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 greater 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; DISODIUM METASILICATE)
IMDG: CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE; DISODIUM METASILICATE)
IATA: CAUSTIC ALKALI LIQUID, N.O.S. (POTASSIUM HYDROXIDE; DISODIUM METASILICATE)

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

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 Instructions:	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

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater 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

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

WGK 1: Low hazard to waters.

15.2. Chemical safety assessment

No chemical safety assessment has been performed for the mixture.

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
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.



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H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.

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

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 - 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



CENTRO DISTRIBUZIONE UTENSILI SCPA

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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.

Changes to previous review:

The following sections were modified:

02 / 03 / 08 / 09 / 11 / 12.