



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture LPS® Tapmatic® AquaCut
Registration number -
Synonyms None.
Part Number M01216, M01228, M01205
Issue date 21-September-2016
Version number 01

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

Identified uses A water-based cutting fluid designed for use on steel, aluminum and other metals except magnesium.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Supplier AlSCO Ltd
Company name Unit 13 Hillmead Industrial Estate
Address Marshall Road
Swindon, Wiltshire
United Kingdom SN5 5FZ
Telephone +44 1793 733 900
In Case of Emergency +001 703-527-3887
Manufacturer
Company name ITW Pro Brands
Address 4647 Hugh Howell Rd., Tucker, GA 30084 (U.S.A.)
Website <http://www.lpslabs.com>
e-mail lpssds@itwprobrands.com

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

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

Classification R43

The full text for all R-phrases is displayed in section 16.

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Skin sensitisation Category 1 H317 - May cause an allergic skin reaction.

Hazard summary

Physical hazards Not classified for physical hazards.
Health hazards May cause sensitisation by skin contact. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards Not classified for hazards to the environment.
Specific hazards May cause sensitisation by skin contact.
Main symptoms May cause an allergic skin reaction. Dermatitis. Rash.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Cinnamic Aldehyde

Hazard pictograms



Signal word

Warning

Hazard statements

H317

May cause an allergic skin reaction.

Precautionary statements

Prevention

P261

Avoid breathing mist or vapour.

P272

Contaminated work clothing should not be allowed out of the workplace.

P280

Wear protective gloves.

Response

P302 + P352

IF ON SKIN: Wash with plenty of water.

P333 + P313

If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364

Take off contaminated clothing and wash it before reuse.

Storage

Store away from incompatible materials.

Disposal

P501

Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None known.

2.3. Other hazards None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	INDEX No.	Notes
Cinnamic Aldehyde	0,1 - 1	104-55-2 203-213-9	-	-	
Classification:	DSD: Xn;R21, Xi;R38, R43				
	CLP: Acute Tox. 4;H312, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Irrit. 2;H319				

List of abbreviations and symbols that may be used above

DSD: Directive 67/548/EEC.

CLP: Regulation No. 1272/2008.

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments The full text for all R- and H-phrases is displayed in section 16.

SECTION 4: First aid measures

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

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

May cause an allergic skin reaction. Dermatitis. Rash.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards

No unusual fire or explosion hazards noted.

5.1. Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections Use personal protection recommended in Section 8 of the SDS. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Do not get in eyes, on skin, or on clothing. Avoid breathing mist or vapour. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	MAK	1 mg/m ³	
	STEL	2 mg/m ³	
Sodium hydroxide (CAS 1310-73-2)	Ceiling	4 mg/m ³	Inhalable fraction.
	MAK	2 mg/m ³	Inhalable fraction.
Triethanolamine (CAS 102-71-6)	MAK	5 mg/m ³	Inhalable fraction.
		0,8 ppm	Inhalable fraction.
	STEL	10 mg/m ³	Inhalable fraction.
		1,6 ppm	Inhalable fraction.

Belgium. Exposure Limit Values.

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m ³

Belgium. Exposure Limit Values.

Components	Type	Value
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	TWA	2 mg/m3
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Sodium hydroxide (CAS 1310-73-2)	TWA	2 mg/m3	Aerosol

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	MAC	1 mg/m3
	STEL	2 mg/m3
Propylene glycol (CAS 57-55-6)	MAC	10 mg/m3
		150 ppm
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3

Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	TWA	2 mg/m3

Czech Republic. OELs. Government Decree 361

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	Ceiling	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
	TWA	1 mg/m3
Triethanolamine (CAS 102-71-6)	Ceiling	10 mg/m3
	TWA	5 mg/m3

Denmark. Exposure Limit Values

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	TLV	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
Triethanolamine (CAS 102-71-6)	TLV	3,1 mg/m3
		0,5 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	Vapor.
	TWA	1 mg/m3	Vapor.
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3	
	TWA	1 mg/m3	
Triethanolamine (CAS 102-71-6)	STEL	10 mg/m3	
	TWA	5 mg/m3	

Finland. Workplace Exposure Limits

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	VLE	2 mg/m3
	VME	0,5 ppm
		1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	VME	0,2 ppm 2 mg/m3

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	TWA	2 mg/m3	Inhalable fraction.
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3	Inhalable fraction.

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	AGW	2 mg/m3	Inhalable fraction.

Greece. OELs (Decree No. 90/1999, as amended)

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3
	TWA	2 mg/m3

Hungary. OELs. Joint Decree on Chemical Safety of Workplaces

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3
	TWA	2 mg/m3

Iceland. OELs. Regulation 154/1999 on occupational exposure limits

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Propylene glycol (CAS 57-55-6)	TWA	470 mg/m3	Total vapour and particulates. Particulate.
	TWA	10 mg/m3	

Ireland. Occupational Exposure Limits

Components	Type	Value	Form
		150 ppm	Total vapour and particulates.
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3	
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3	

Italy. Occupational Exposure Limits

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Propylene glycol (CAS 57-55-6)	TWA	7 mg/m3
Sodium hydroxide (CAS 1310-73-2)	TWA	0,5 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Propylene glycol (CAS 57-55-6)	TWA	7 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
Triethanolamine (CAS 102-71-6)	STEL	10 mg/m3
	TWA	5 mg/m3

Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Netherlands. OELs (binding)

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	TLV	1 mg/m3
Propylene glycol (CAS 57-55-6)	TLV	79 mg/m3
		25 ppm
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3

Norway. Administrative Norms for Contaminants in the Workplace

Components	Type	Value
Triethanolamine (CAS 102-71-6)	TLV	5 mg/m3

Poland. MACs. Regulation regarding maximum permissible concentrations and intensities of harmful factors in the work environment, Annex 1

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	STEL	1 mg/m3
	TWA	0,5 mg/m3

Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	STEL	3 mg/m3
	TWA	1 mg/m3

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	TWA	2 mg/m3

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	TWA	1 mg/m3	
Sodium hydroxide (CAS 1310-73-2)	TWA	2 mg/m3	Inhalable fraction.
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3	Inhalable fraction.

Spain. Occupational Exposure Limits

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3
Triethanolamine (CAS 102-71-6)	TWA	5 mg/m3

Sweden. Occupational Exposure Limit Values

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Sodium hydroxide (CAS 1310-73-2)	Ceiling	2 mg/m3	Inhalable dust.
	TWA	1 mg/m3	Inhalable dust.
Triethanolamine (CAS 102-71-6)	STEL	10 mg/m3	
		1,6 ppm	
	TWA	5 mg/m3 0,8 ppm	

Switzerland. SUVA Grenzwerte am Arbeitsplatz

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3	Inhalable dust.
	TWA	2 mg/m3	Inhalable dust.
Triethanolamine (CAS 102-71-6)	STEL	20 mg/m3	Inhalable dust.
	TWA	5 mg/m3	Inhalable dust.

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3	
	TWA	1 mg/m3	
Propylene glycol (CAS 57-55-6)	TWA	474 mg/m3	Total vapour and particulates.
		10 mg/m3	Particulate.
		150 ppm	Total vapour and particulates.
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m3	

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Phosphoric acid (CAS 7664-38-2)	STEL	2 mg/m3
	TWA	1 mg/m3

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin protection

- Hand protection Wear appropriate chemical resistant gloves.

- Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
Environmental exposure controls	Environmental manager must be informed of all major releases.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Liquid.
Colour	Blue green.
Odour	Cinnamon.
Odour threshold	Not established
pH	8 - 9
Melting point/freezing point	Not established
Initial boiling point and boiling range	100 °C (212 °F)
Flash point	None
Evaporation rate	1 (Water = 1)
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	None
Flammability limit - upper (%)	None
Vapour pressure	18 mm Hg @ 20°C
Vapour density	~0,6
Relative density	Not available.
Solubility(ies)	
Solubility (water)	100 % in water
Solubility (other)	Not available.
Partition coefficient (n-octanol/water)	< 1
Auto-ignition temperature	> 1 °C (> 33,8 °F)
Decomposition temperature	Not established
Viscosity	Not established
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
9.2. Other information	
Heat of combustion	Not established
Percent volatile	95 %
Specific gravity	0,99 - 1,01 @ 20°C
VOC	0 % per U.S State and Federal Consumer Product Regulations.

SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides.

SECTION 11: Toxicological information

General information Occupational exposure to the substance or mixture may cause adverse effects.

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact May cause an allergic skin reaction.

Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

Eye contact Direct contact with eyes may cause temporary irritation.

Ingestion May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms May cause an allergic skin reaction. Dermatitis. Rash.

11.1. Information on toxicological effects

Acute toxicity Not known.

Components	Species	Test results
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Cinnamic Aldehyde (CAS 104-55-2)

Acute

Dermal

LD50	Rabbit	1260 ml/kg, 24 Hours
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Oral

LD50	Rat	2220 mg/kg
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Phosphoric acid (CAS 7664-38-2)

Acute

Oral

LD50	Rat	1,7 ml/100g
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Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation Direct contact with eyes may cause temporary irritation.

Respiratory sensitisation Not a respiratory sensitizer.

Skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)

Not listed.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure Not classified.

Specific target organ toxicity - repeated exposure Not classified.

Aspiration hazard Not an aspiration hazard.

Mixture versus substance information No information available.

Other information Symptoms may be delayed.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met for hazardous to the aquatic environment.

Components	Species	Test results
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Sodium hydroxide (CAS 1310-73-2)

Aquatic

Crustacea	EC50	Water flea (Ceriodaphnia dubia)	34,59 - 47,13 mg/l, 48 hours
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Fish	LC50	Western mosquitofish (Gambusia affinis)	125 mg/l, 96 hours
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12.2. Persistence and degradability Expected to biodegrade.

12.3. Bioaccumulative potential

Partition coefficient

n-octanol/water (log Kow)

LPS® Tapmatic® AquaCut < 1

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. - 14.6.: Not regulated as dangerous goods.

RID

14.1. - 14.6.: Not regulated as dangerous goods.

ADN

14.1. - 14.6.: Not regulated as dangerous goods.

IATA

14.1. - 14.6.: Not regulated as dangerous goods.

IMDG

14.1. - 14.6.: Not regulated as dangerous goods.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code Not established.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

Not available.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements or R-phrases and H-statements under Sections 2 to 15

R21 Harmful in contact with skin.
R38 Irritating to skin.
R43 May cause sensitisation by skin contact.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Follow training instructions when handling this material.

Disclaimer

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