

AGAKOK 2.5

Code: 0 34N 0

Material Safety Data Sheet compliant with Regulation (EC) 2015/830

Version 6.0.0

Revision: 16/02/18

Print Date : 03/05/18

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

1.1. Product identifier

Trade name **AGAKOK 2.5**

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

Use of the product

**LIQUID ACID
BREEDINGS
Disinfection of equipment/materials by dipping and disinfection
of surfaces and equipment/materials by spraying and foaming
in animal houses and farms**

1.3. Details of the supplier of the safety data sheet

Company identification

**HYPRED SAS
55, Boulevard Jules Verger B.P 10180
35803 DINARD Cedex - FRANCE
Tél : +33 (0)2 99 16 50 00
Fax : +33 (0)2 99 16 50 20
e-mail : hypred@hypred.com**

For information regarding this safety data sheet, please contact :
regulatory@hypred.com

1.4. Emergency telephone number

Emergency phone number

**Emergency direct number (24 hours a day, 7 days a week) :
(+ 1-760-476-3960 (Asian area, Pacific area)
(+ 1-760-476-3961 (European area)
(+ 1-760-476-3962 (Americas area)
(+ 1-760-476-3959 (Middle eastern countries and African area)
Access code : 333021**

INRS

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30, rue Olivier Noyer
75014 Paris - FRANCE
Tél : + 33 (0) 1 45 42 59 59

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

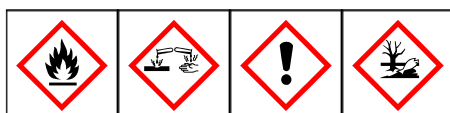
The mixture meets the classification criteria provided for under Regulation (EC) No 1272/2008.

Flammable Liquide - Category 3	H226: Flammable liquid and vapour.
Skin corrosion - Category 1B	H314: Causes severe skin burns and eye damage.
Serious damage to eyes - Category 1	H318: Causes serious eye damage.
Skin sensitisation - Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity (STOT) - single exposure - Category 3	H335: May cause respiratory irritation.
Substance corrosive to metals - Category 1	H290: May be corrosive to metals.
Hazardous to the aquatic environment — Acute - Category 1	H400: Very toxic to aquatic life.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s) :



Signal word :

Danger

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Contains : Propionic acid+ Phosphoric Acid+ Isopropyl alcohol+ Chlorocresol+ Ethyl (S)-2-hydroxypropionate

Hazard statement(s) :

- H226: Flammable liquid and vapour.
- H290: May be corrosive to metals.
- H314: Causes severe skin burns and eye damage.
- H317: May cause an allergic skin reaction.
- H335: May cause respiratory irritation.
- H400: Very toxic to aquatic life.

Precautionary statement(s) :

- P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260: Do not breathe mist/vapours/spray.
- P273: Avoid release to the environment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- 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].
- P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310: Immediately call a POISON CENTER or doctor/physician.
- P391: Collect spillage.
- P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available.

SECTION 3: Composition/information on ingredients

3.1. Substances

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Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture : LIQUID ACID

Substance(s)	CAS number(s)	EINECS number(s)	No registration REACH	Classification according to Regulation 1272/2008/EC	Type
25% <= Propionic acid < 50%	79-09-4	201-176-3	01-2119486971-24	Skin Corr. 1B H314 STOT SE 3 H335 Flam. Liq. 3 H226 Eye Dam. 1 H318	(1)
25% <= Chlorocresol < 50%	59-50-7	200-431-6	Biocidal active substance, regarded as already registered	Acute Tox. 4 (dermal) H312 Acute Tox. 4 (oral) H302 Eye Dam. 1 H318 Skin Sens. 1 H317 Aquatic Acute 1 H400 M Factor (Acute) 1	(1)
10% <= Ethyl (S)-2-hydroxypropionate < 25%	687-47-8	211-694-1	01-2119516234-49	Flam. Liq. 3 H226 Eye Dam. 1 H318 STOT SE 3 H335	(1)
10% <= Isopropyl alcohol < 20%	67-63-0	200-661-7	01-2119457558-25	Flam. Liq. 2 H225 Eye Irrit. 2 H319 STOT SE 3 H336	(1)
5% <= Benzenesulphonic acid, C10-13 alkyl-4 sec derivatives < 10%	85536-14-7	287-494-3	01-2119490234-40	Acute Tox. 4 (oral) H302 Skin Corr. 1C H314 Eye Dam. 1 H318 Aquatic Chronic 3 H412	(1)
5% <= Phosphoric Acid < 10%	7664-38-2	231-633-2	01-2119485924-24	Skin Corr. 1B H314 Met. Corr. 1 H290 Acute Tox. 4 (oral) H302	(1)
1% <= Dimethyl sulfoxide < 5%	67-68-5	200-664-3	01-2119431362-50	Not classified	

Type

(1) : Substance classified as hazardous for health and/or the environment

(2) : Substance with an exposure limit at the work station.

Substance of very high concern candidate for the authorisation procedure:

(3) : Substance considered as PBT (persistent, bioaccumulable, toxic)

(4) : Substance considered as vPvB (very persistent, very bioaccumulable)

(5) : Substance considered as carcinogenic category 1A

(6) : Substance considered as carcinogenic category 1B

(7) : Substance considered as mutagenic category 1A

(8) : Substance considered as mutagenic category 1B

(9) : Substance considered as reprotoxic category 1A

(10) : Substance considered as reprotoxic category 1B

(11) : Substance considered as endocrine disrupter

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

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SECTION 4: First aid measures

4.1. Description of first aid measures

General indications:

Take the contaminated clothes and shoes off immediately. Wash them before wearing them again.
In case of faintness , get medical advice/attention. Show this safety data sheet to the doctor.

In the event of inhalation :

Bring to fresh air.
Put into practice respiratory help procedure if needed and get medical advice immediately.

In the event of contact with the skin :

Take off immediately all contaminated clothing.
Wash immediately with plenty of water for 15 minutes at least.
Immediately call a POISON CENTER or doctor/physician.

In the event of contact with the eyes :

Rinse at once with a soft stream of water for at least 15 minutes, eyes wide open.
Remove contact lenses if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.

In the event of ingestion :

Rinse mouth.
Do NOT induce vomiting.
Send to hospital.

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

Skin contact : Corrosive : Causes severe burns.
May cause an allergic skin reaction.

Eye contact : Causes serious eye damage.

Ingestion : Causes severe burns in mouth and digestive tract.

Inhalation : May cause respiratory irritation.

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

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Treatments : Symptomatic treatment

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media :

CO₂, powder, pulverized water

Unsuitable extinguishing media :

None from our knowledge.

5.2. Special hazards arising from the substance or mixture

AGAKOK 2.5 is flammable.

The following may form in a fire:

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Wear independent respiratory equipment and protective suit.

Collect contaminated firefighting water separately, must not be discharged into the drains.

Keep containers cool by spraying with water if exposed to fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel :

Evacuate non-essential staff and those not equipped with individual protection apparatus.

6.1.2. For emergency responders :

Evacuate the personnel to a safe location.

Keep people upwind and away from the location of the flow/leak.

Use personal protection equipment.

6.2. Environmental precautions

Intervention limited to trained staff.

Do not discharge the product directly to sewer or to environment.

Take as soon as possible all incompatible materials away.

6.3. Methods and material for containment and cleaning up

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Small spillage :

Pump in a reservoir of help.

Large spillage :

Never return spills in original containers for re-use.

Keep in suitable, properly labelled and closed containers for disposal.

Mark out, soak up with an inert absorbant and pump in an emergency tank.

6.4. Reference to other sections

Respect protective measures presented at heading 8.

Refer to section 13 for the elimination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with skin, eyes and clothing.

Do not eat, drink or smoke in work area. Avoid projections during use.

Avoid breathing mist/vapours/spray.

Operate in a well ventilated place.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage :

Keep only in the original container.

Keep in a clean, cool and well-ventilated place away from sources of heat and intense light.

Keep away from incompatible matters (see heading 10).

Keep container closed.

7.2.2. Packaging or wrapping materials :

High density polyethylene recommended.

7.3. Specific end use(s)

AGAKOK 2.5 is for use as a biocide.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values :

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Substance	Country	Type	Value	Unit	Comments	source
Isopropyl alcohol	FRA	VLCT Short term	400	ppm	Valeur limite indicative	International limit values for chemical agents
			980	mg/m ³	Valeur limite indicative	International limit values for chemical agents
	AUT	OEL 8h	200	ppm		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
		OEL Short term	800	ppm		International limit values for chemical agents
			2000	mg/m ³		International limit values for chemical agents
	BEL	OEL 8h	200	ppm		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
		OEL Short term	400	ppm		International limit values for chemical agents
			1000	mg/m ³		International limit values for chemical agents
	CHE	OEL 8h	200	ppm		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
		OEL Short term	400	ppm		International limit values for chemical agents
			1000	mg/m ³		International limit values for chemical agents
		TBL (Tolerable Biological Limit)	25	mg/l		
	0,4		mmol/l			
	DEU	OEL 8h	200	ppm		International limit values for chemical agents (German Committee on Hazardous Substances)
			500	mg/m ³		International limit values for chemical agents (German Committee on Hazardous Substances)
			200	ppm		International limit values for chemical agents (German Research Foundation)
			500	mg/m ³		International limit values for chemical agents (German Research Foundation)
		OEL Short term	400	ppm	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
			1000	mg/m ³	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
			400	ppm	STV 15 minutes average value	International limit values for chemical agents (German Research Foundation)
			1000	mg/m ³	STV 15 minutes average value	International limit values for chemical agents (German Research Foundation)
	DNK	OEL 8h	200	ppm		International limit values for chemical agents
			490	mg/m ³		International limit values for chemical agents
		OEL Short term	400	ppm		International limit values for chemical agents
			980	mg/m ³		International limit values for chemical agents
ESP	OEL 8h	200	ppm		International limit values for chemical agents	
		500	mg/m ³		International limit values for chemical agents	
	OEL Short term	400	ppm		International limit values for chemical agents	
		1000	mg/m ³		International limit values for chemical agents	
GBR	OEL 8h	400	ppm		International limit values for chemical agents	

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Isopropyl alcohol	GBR	OEL 8h	999	mg/m ³		International limit values for chemical agents
		OEL Short term	500	ppm		International limit values for chemical agents
	SWE	OEL 8h	1250	mg/m ³		International limit values for chemical agents
			150	ppm		International limit values for chemical agents
		OEL Short term	350	mg/m ³		International limit values for chemical agents
			250	ppm	Short-term value, 15 minutes average value	International limit values for chemical agents
	POL	NDSch Short term	600	mg/m ³	Short-term value, 15 minutes average value	International limit values for chemical agents
			900	mg/m ³		International limit values for chemical agents
	HUN	OEL Short term	1200	mg/m ³		International limit values for chemical agents
			500	mg/m ³		International limit values for chemical agents
	LVA	OEL Short term	2000	mg/m ³		International limit values for chemical agents
			350	mg/m ³		International limit values for chemical agents
	SVN	OEL	600	mg/m ³	15 minutes average value	International limit values for chemical agents
			500	mg/m ³	Opomba Y, BAT	Rules on the protection of workers against the risks related to exposure to chemicals at work in Slovenia (Official Gazette RS, št 100/01, 39/05, 53/07, 102/10, 43/11. ZVZD-1 in 38/15)
			200	ppm	Opomba Y, BAT	Rules on the protection of workers against the risks related to exposure to chemicals at work in Slovenia (Official Gazette RS, št 100/01, 39/05, 53/07, 102/10, 43/11. ZVZD-1 in 38/15)
STEL		4		Opomba Y, BAT	Rules on the protection of workers against the risks related to exposure to chemicals at work in Slovenia (Official Gazette RS, št 100/01, 39/05, 53/07, 102/10, 43/11. ZVZD-1 in 38/15)	
EU		OEL Short term	1	mg/m ³	Indicative Occupational Exposure Limit Value	International limit values for chemical agents
	2		mg/m ³	Indicative Occupational Exposure Limit Value	International limit values for chemical agents	
Propionic acid	EU	OEL 8h	10	ppm	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
			31	mg/m ³	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
		OEL Short term	20	ppm	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agent

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Propionic acid	EU	OEL Short term	62	mg/m ³	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
		OEL 8h	10	ppm	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
			31	mg/m ³	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
		OEL Short term	20	ppm	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
			62	mg/m ³	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] ~ (for references see bibliography)	International limit values for chemical agents
		ELV (Exposure limit value) :	62	mg/m ³		MSDS supplier
			20	ppm		MSDS supplier
		EMV (Exposure medium value) :	10	ppm		MSDS supplier
31	mg/m ³			MSDS supplier		
Dimethyl sulfoxide	AUT	OEL 8h	50	ppm		International limit values for chemical agents
			160	mg/m ³		International limit values for chemical agents
	CHE	OEL 8h	50	ppm		International limit values for chemical agents
			160	mg/m ³		International limit values for chemical agents
		OEL Short term	100	ppm		International limit values for chemical agents
	320		mg/m ³		International limit values for chemical agents	
	DEU	OEL 8h	50	ppm		International limit values for chemical agents (German Committee on Hazardous Substances)
			160	mg/m ³		International limit values for chemical agents (German Committee on Hazardous Substances)
			50	ppm		International limit values for chemical agents (German Research Foundation)
			160	mg/m ³		International limit values for chemical agents (German Research Foundation)
			50	ppm		International limit values for chemical agents
			150	mg/m ³		International limit values for chemical agents
		OEL Short term	100	ppm	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
			320	mg/m ³	15 minutes average value	International limit values for chemical agents (German Committee on Hazardous Substances)
			100	ppm	15 minutes average value	International limit values for chemical agents (German Research Foundation)
320			mg/m ³	15 minutes average value	International limit values for chemical agents (German Research Foundation)	
150	ppm		International limit values for chemical agents			

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Dimethyl sulfoxide	DEU	OEL Short term	500	mg/m ³		International limit values for chemical agents
	DNK	OEL 8h	50	ppm		International limit values for chemical agents
			160	mg/m ³		International limit values for chemical agents
		OEL Short term	100	ppm		International limit values for chemical agents
	320		mg/m ³		International limit values for chemical agents	
FIN	OEL 8h	50	ppm		International limit values for chemical agents	
Ethyl (S)-2-hydroxypropionate	FIN	OEL 8h	5	ppm		International limit values for chemical agents
			25	mg/m ³		International limit values for chemical agents
	OEL Short term	10	ppm	15 minutes average value		International limit values for chemical agents
		49	mg/m ³	15 minutes average value		International limit values for chemical agents
	OEL 8h	5	ppm			International limit values for chemical agents
		25	mg/m ³			International limit values for chemical agents
	OEL Short term	10	ppm	15 minutes average value		International limit values for chemical agents
		49	mg/m ³	15 minutes average value		International limit values for chemical agents

8.2. Exposure controls

According to the requirements of Directive 98/24 /EC, the employer is required to conduct a risk assessment and implement appropriate risks management measures.

* For any situation where the absence of risk is not proven, he must consider the substitution or reduction of risk by improving in priority processes used and collective protection measures. The effectiveness of the solutions implemented will be checked by measurement in comparison to the statutory limit values for substances defined in Section 8.1.

* If the risk remains after these corrective actions, he must always check by routinely measuring compliance with regulatory OEL if they exist in section 8.1 and apply all the individual protective measures given in section 8.2.

* When formalized risk assessment indicates a low risk to workers' health, control of compliance with regulatory OEL may not be considered and all individual protection measures is not always mandatory.

8.2.1. Appropriate engineering controls :

Efficient system of ventilation by aspiration.

Apply the necessary technical measures to comply with the professional exposure limit values.

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8.2.2. Individual protection measures, such as personal protective equipment :

Eye/face protection :

Use safety glasses or facial screen in conformity with the EN 166 standard.



Hand protection :

Use chemical resistant gloves approved to EN 374.

Gloves in protection class 3 or above are recommended for brief contact (changeover time more than sixty minutes under standard EN 374).

Gloves in protection class 6 or above are recommended for prolonged or frequently repeated contact (changeover time more than 480 minutes under standard EN 374).

Examples of preferred materials for insulating gloves:

Butyl rubber.

Nitril.



Skin protection :

Wear boots and a protective cloth with chemical resistance.



Respiratory protection :

In the event of weak exposure or of short duration, to use a respiratory filter.

In the event of intense or durable exposure, to use an apparatus of breathing independent of the ambient air.

Thermal hazards :

Not applicable

Health measures :

Safety shower and eye wash fountain near to workplace.

After using, wash systematically all personal protective equipment.

Handle in accordance with good industrial hygiene practices and the safety instructions.

8.2.3. Environmental exposure controls :

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Do not discharge the product directly to sewer or to environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid
Colour	Red
Odour	Characteristic
Odour threshold	Not available
Pure pH	Not available
pH value at 10g/l	≈ 1.8
Freezing point :	Not available
Boiling point	Not available
Flash point (EC : A9)	32±0.5 °C
Evaporation rate:	Not available
Flammability	Not applicable
Vapour pressure	Not available
Vapour density	Not applicable
Mass density	1.075±0.01 g/cm ³
Relative density	1.075±0.01
Solubility in water	Soluble in water in all proportions
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	491±3 °C
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not applicable
Oxidising properties	Not applicable

9.2. Other information

No additional information.

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions of use.

10.2. Chemical stability

Stable in the recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

None to our knowledge.

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10.4. Conditions to avoid

Light, heat.

10.5. Incompatible materials

None to our knowledge.

10.6. Hazardous decomposition products

The thermal decomposition products can include carbon monoxide and carbon dioxide.

These data are given for the concentrated mixture. The use of the mixture under its diluted form must be performed in conformity with data given by the technical data sheet and the technical adviser.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance-related data:

Acute toxicity

Isopropyl alcohol : LD 50 - oral rat > 2,000 mg/kg. - MSDS supplier

Isopropyl alcohol : LD 50 - dermal rabbit > 2,000 mg/kg. - MSDS supplier

Phosphoric Acid : LC 50 - inhalation - 1h rat 3.846 mg/L. - MSDS supplier

Isopropyl alcohol (100%) : LC 50 - inhalation - 4h rat 30 mg/L. - MSDS supplier

Phosphoric Acid : LD 50 - dermal rabbit 2,740 mg/kg. - MSDS supplier

Phosphoric Acid : LD 50 - oral rat 500 mg/kg. - MSDS supplier

Propionic acid (100%) : LC 50 - inhalation - 4h rat > 4.9 mg/L. - MSDS supplier

Propionic acid (100%) : LD 50 - oral rat 3,500 - 4,200 mg/kg. - MSDS supplier

Propionic acid (100%) : LD 50 - dermal rabbit > 500 mg/kg. - MSDS supplier

Benzenesulphonic acid, C10-13 alkyl-4 sec derivatives : LD 50 - oral rat 1,470 mg/kg. - MSDS supplier

Chlorocresol (99.9%) : LD 50 - oral rat 1,830 mg/kg. - MSDS supplier

Skin corrosion/irritation

Isopropyl alcohol : Skin irritation rabbit . non irritating - MSDS supplier

Phosphoric Acid (75%) : Skin irritation . Corrosive. - MSDS supplier

Serious damage to eyes/eye irritation

Isopropyl alcohol : Eye irritation rabbit . Irritating - MSDS supplier

Phosphoric Acid (75%) : Eye irritation rabbit . Corrosive. - MSDS supplier

Propionic acid (100%) : Eye irritation . Highly irritating effect with the risk of a serious condition of the eyes - MSDS supplier

Chlorocresol (99.9%) : Ocular corrosivity rabbit (OECD 405): . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC. - MSDS supplier

Ethyl(S)-2-hydroxypropionate (100%) : Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC. - MSDS supplier

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Sensitisation

Isopropyl alcohol : Sensitisation guinea-pig (Buehler assay): . Not sensitising - MSDS supplier

Respiratory / skin sensitisation

Chlorocresol (99.9%) : Skin sensitisation mouse, guinea-pig . Sensitizing - MSDS supplier

Mutagenicity

Isopropyl alcohol : Ames test . Not mutagenic - MSDS supplier

Carcinogenicity

Isopropyl alcohol (99,5%) : laboratory animals . No cancer observed in laboratory animals - MSDS supplier

Specific target organ toxicity - single exposure

Ethyl (S)-2-hydroxypropionate (100%) : . May cause respiratory irritation. - MSDS supplier

Mix-related data: :

Acute toxicity

. Not determined

Skin corrosion/irritation

Skin corrosivity . The mix is considered to be corrosive for the skin under the criteria of Regulation 1272/2008/EC.

Serious damage to eyes/eye irritation

Ocular corrosivity . Causes serious eye damage according to the criteria of Regulation 1272/2008/EC.

Respiratory / skin sensitisation

Skin sensitisation . The mix is considered to cause cutaneous sensitisation under Regulation 1272/2008/EC.

Respiratory sensitisation . The mixture is not considered as a respiratory sensitiser according to 1272/2008/EC Regulation.

Mutagenicity

. The classification criteria are not met given the available data.

Carcinogenicity

. The classification criteria are not met given the available data.

Reproductive toxicity

. The classification criteria are not met given the available data.

Specific target organ toxicity - single exposure

. The mixture is considered as being irritating to respiratory tract according to the criteria of Regulation 1272/2008/EC.

Specific target organ toxicity - repeated exposure

. The classification criteria are not met given the available data.

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Aspiration hazard

. The classification criteria are not met given the available data.

Most important symptoms and effects, both acute and delayed :

Skin contact : Corrosive : Causes severe burns.
May cause an allergic skin reaction.

Eye contact : Causes serious eye damage.

Ingestion : Causes severe burns in mouth and digestive tract.

Inhalation : May cause respiratory irritation.

SECTION 12: Ecological information

12.1. à 12.4. Toxicity - Persistence and degradability - Bioaccumulative potential - Mobility in soil

Substance-related data:

Acute toxicity

Isopropyl alcohol (100 %) : LC 50 - 48 h fishes (Leuciscus idus melanotus) > 100 mg/L. - MSDS supplier

Isopropyl alcohol : EC 50 - 48 h daphnia (Daphnia magna) > 100 mg/L. - MSDS supplier

Isopropyl alcohol : EC 50 - 72 h algae (Scenedesmus subspicatus) > 100 mg/L. - MSDS supplier

Phosphoric Acid : LC 50 - 96h fishes 3 - 3.25 mg/L. - MSDS supplier

Propionic acid (100%) : LC 50 - 96h fishes > 500 mg/L. - MSDS supplier

Propionic acid (100%) : EC 50 - 48h daphnia (Daphnia magna) 50 mg/L. - MSDS supplier

Propionic acid (100%) : IC 50 - 72h algae 45.8 mg/L. - MSDS supplier

Phosphoric Acid : EC 50 - 72H algae (OECD 201): > 100 mg/L.

Phosphoric Acid : EC 50 - 48h daphnia (OECD 202): > 100 mg/L. - MSDS supplier

Chlorocresol (99.9%) : LC 50 - 96hours fishes (Oncorhynchus mykiss) 0.92 mg/L. - MSDS supplier

Degradability

Isopropyl alcohol : 10days > 70 %. Easily biodegradable. - MSDS supplier

Benzenesulphonic acid, C10-13 alkyl-4 sec derivatives : Biodegradability - 28day(s) > 60 %. Easily biodegradable. - MSDS supplier

Propionic acid (100%) : Biodegradability > 70 %. Easily biodegradable. - MSDS supplier

Mix-related data:

Acute toxicity

fishes . Not determined

daphnia . Not determined

algae . Not determined

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CHRONIC TOXICITY

. No data available.

Degradability

. No data available.

Bioaccumulation

. No data available.

Mobility

. No data available.

Conclusion :

The mixture is considered to be dangerous for the environment according to 1272/2008/EC Regulation.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

12.6. Other adverse effects

No additional information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Treatment of the mixture :

Do not discharge the product directly to sewer or to environment.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

Packaging treatment :

Rinse thoroughly the packaging with water and treat the effluent like wastes.

Comply with Directive 2008/98/EC of 19/11/2008 amended, relating to waste and to Decision 2000/532/EC (amended ultimately by Decision 2014/955/EC) that establishes a list of hazardous waste that must be taken to an approved centre.

SECTION 14: Transport information

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ROAD TRANSPORT:

Rail/Route (RID/ADR)

UN no : 2920

UN proper shipping name :CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Isopropyl alcohol+Phosphoric Acid+Propionic acid+Chlorocresol+Ethyl (S)-2-hydroxypropionate)

Class : 8

Packing group : II

Hazard code : 83

Label : 8 3



Tunnel code : (D/E)

Environmental hazard : Yes (Chlorocresol)

Special precautions for user : No information.

MARITIME TRANSPORT :

IMDG

UN no :2920

UN proper shipping name : CORROSIVE LIQUID, FLAMMABLE, N.O.S. (Isopropyl alcohol+Phosphoric Acid+Propionic acid+Chlorocresol+Ethyl (S)-2-hydroxypropionate)

Class : 8



Packing group : II

Marine pollutant : Yes (Chlorocresol)

Special precautions for user : No information.

EmS number :

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code :

Not concerned

SECTION 15: Regulatory information

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

Regulations relating to the hazards from major accidents :

SEVESO 3 Directive (2012/18/EC) : P5c E1

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Regulations relating to the classification, packing and labelling of substances and mixes :

Regulation 1272/2008/EC amended.

Waste regulations :

2008/98/EC Directive amended by 2015/1127/EC Directive - Regulation 1357/2014/EC

Decision 2014/955/EC which establishes the list of hazardous waste.

Protection of workers :

Directive 98/24/EC of 07/04/1998 on the protection of the health and safety of workers from the risks related to chemical agents at work.

Regulation 850/2004/EC on persistent organic pollutants and modifying Directive 79/117/EC : Not applicable

Regulation 1005/2009/EC amended on substances that deplete the ozone layer : Not applicable

Regulation (EC) 648/2004 :

Not concerned

Comply with national and local legislation.

15.2. Chemical safety assessment

No

SECTION 16: Other information

The safety data sheet is additional to the technical data sheet but does not replace it. The information given here in is to the best of our knowledge correct and is given in good faith. We must also draw the user's attention on potential risks of the product is used for other purposes for which the product is known.

In no way does it exempt users from being aware of and complying with regulations applicable to their activity. It is their sole responsibility to take all necessary precautions in accordance to the usage of the product they are aware of.

Regulations are only stated in order to help users fulfill the duties involved in the use of the product.

This description should not be considered as exhaustive. It does not exempt users from ensuring if other demands need to be complied with-according to other laws than the ones hereby stated and applicable to holding and usage of the product-demands for which they will remain sole responsibility.

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Section(s) modified compared with the previous version :

Not concerned

List of H phrases referred to in sections 2 and 3 :

- H225 : Highly flammable liquid and vapour.
- H226 : Flammable liquid and vapour.
- H290 : May be corrosive to metals.
- H302 : Harmful if swallowed.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H317 : May cause an allergic skin reaction.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H335 : May cause respiratory irritation.
- H336 : May cause drowsiness or dizziness.
- H400 : Very toxic to aquatic life.
- H412 : Harmful to aquatic life with long lasting effects.

Sources of key data used to compile the data sheet :

MSDS supplier

Historical :

Version 6.0.0

Cancels and replaces previous version .