

Code: 028Z0

Safety Data Sheet compliant with Regulation (EU) 2020/878

Version 7.0.0

Creation date: 18/07/19 Revision: 06/12/22 Print Date: 18/02/23

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name

AGATENS R1

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

Use of the product

FOAMING ALKALINE DETERGENT

AGATENS R1 is an economical, basic and environmentally friendly foaming cleaner for the cleaning of surfaces and livestock equipment.

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: kersia@kersia-group.com

For information regarding this safety data sheet, please contact : regulatory@kersia-group.com

1.4. Emergency telephone number

Emergency phone number

Emergency direct number (24 hours a day, 7 days a week):

+65 3165 2217 (Asian area, Pacific area) +44 1273 289451 (European area) +1 215 207 0061 (Americas area)

+44 1235 239671 (Middle eastern countries and African area)

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.



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Substance corrosive to metals - Category 1

Skin irritation - Category 2

Serious damage to eyes - Category 1

H290: May be corrosive to metals.

H315: Causes skin irritation.

H318: Causes serious eye

damage.

2.2. Label elements

Labelling according to 1272/2008/EC Regulation:

Hazard pictograms(s):



Signal word:

Danger

Contains: C6 Alkyl glucoside

Hazard statement(s):

H290: May be corrosive to metals. H315: Causes skin irritation.

H318: Causes serious eye damage.

Precautionary statement(s):

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

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.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

The mixture does not contain substance identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. in concentration greater than 0.1%.



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable as this involves a mixture.

3.2. Mixtures

Chemical nature of the mixture: LIQUID ALKALI

Substance(s)	CAS number(s)	EINECS number(s)	index	No registration REACH	Classification according to Regulation (EC) 1272/2008	SCL M-factor ATE	Туре
5% <= 2-(2-Butoxyethoxy) ethanol < 10%	112-34-5	203-961-6	603-096-00-8	01-2119475104-44	Eye Irrit. 2 H319		(1)
1% <= C6 Alkyl glucoside < 5%	54549-24-5	259-217-6		01-2119492545-9	Eye Dam. 1 H318		(1)
1% <= Alcohol C9-11, ethoxylated < 5%	68439-46-3				Eye Irrit. 2 H319		(1)
0.5% < Sodium hydroxide <= 2%	1310-73-2	215-185-5	011-002-00-6	01-2119457892-27	Skin Corr. 1A H314 Met. Corr. 1 H290	C ≥ 5% Skin Corr. 1A H314 2% ≤ C < 5% Skin Corr. 1B H314 0.5% ≤ C < 2% Skin Irrit. 2 H315 Eye Irrit. 2 H319	(1)

- (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
- (12): Other substance considered hazardous to health or the environment
- (N): Nanomaterial

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General indications:



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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 with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

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.

Call a doctor immediately.

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

Skin contact: May cause a skin irritation.

Eye contact: Can cause irreversible ocular lesions.

Ingestion: Causes severe burns in mouth and digestive tract. Can cause severe damage to the stomach or oesophagus.

Inhalation: May cause a respiratory system irritation.

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

Treatments: Symptomatic treatment

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

CO2, powder, pulverized water

Agents compatible with other products involved into fire.

Unsuitable extinguishing media:

High pressure water jet



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5.2. Special hazards arising from the substance or mixture

Risk of carbon monoxide (CO) emission in the event of fire.

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

Small spillage:

Absorb on inert material.

Wash with plenty of water.

Large spillage:

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

Never return spills in original containers for re-use.

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

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

Do not breathe vapour.

Avoid contact with skin, eyes and clothing.

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



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> Do not mix with an acid. Take off immediately all contaminated clothing.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Storage:

Keep only in the original container.

Keep container closed.

Keep in a clean and dry place.

Keep protected from frost.

Keep away from incompatible matters (see heading 10).

7.2.2. Packaging or wrapping materials:

High density polyethylene recommended.

7.3. Specific end use(s)

No other recommendation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values:



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Substance	CAS number	Country	Туре	Value	Unit	Comments	source
2- (2-Butoxyethoxy) ethanol	112-34-5	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
				67,5	in of	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	15	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
				101,2	in of	Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)	International limit values for chemical agents
Sodium hydroxide	1310-73-2	AUT	OEL 8h	2 inhalable aerosol	malma		International limit values for chemical agents
			OEL Short term	4 inhalable aerosol	malma		International limit values for chemical agents
		BEL	OEL 8h	2	mg/m³	М	International limit values for chemical agents
		CHE	OEL 8h	2 inhalable aerosol	mglm²		International limit values for chemical agents
			OEL Short term	2 inhalable aerosol	mglm²		International limit values for chemical agents
		DNK	OEL 8h	2	mg/m³		International limit values for chemical agents
			OEL Short term	2	mglm²		International limit values for chemical agents
		ESP	OEL Short term	2	malmi		International limit values for chemical agents
		FRA	VLCT	2	mg/m³		MSDS supplier
			VLEP 8h	2	mg/m³	Valeur limite indicative	International limit values for chemical agents
			EMV (Exposure	2	mglm²		INRS
			medium		ppm		INRS
		GBR	OEL Short term	2	mglm²		International limit values for chemical agents
		HRV	OEL Short term	2	malma		



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Sodium hydroxide	1310-73-2		OEL 8h	2	mg/m³		International limit values for chemical agents
			OEL Short term	2	mg/m³		International limit values for chemical agents
			EMV (Exposure medium value) : 8h	0.5	mg/m³		
			NDS 8h	0,5	mg/m³		International limit values for chemical agents
			NDSCh Short term	1	mg/m³		International limit values for chemical agents
			STEL	1	mg/m³		MSDS supplier
			TWA	0,5	mg/m³		MSDS supplier
		SVN	OEL	2	mg/m³	opomba: Y	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	1		opomba: Y	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)
	İ	SWE	OEL 8h	1	mg/m³	Inhalable dust	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:

Ensure adequate ventilation.

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

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.



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Hand protection:

In the event of limited contact (nonextensive splashes, short contacts): gloves of index of protection 2, corresponding to one duration of permeation > 30 min according to the standard EN 374 are advised. In the event of important contact (prolonged direct exposure): gloves of index of protection 6, corresponding to one duration of permeation > 480 min according to the standard EN 374 are advised. Wear disposable gloves.

Examples of materials for insulating gloves:

Chloroprene rubber.

Fluorinated rubber (Viton)

Butyl rubber. Nitrile rubber. Neoprene.



Skin protection:

Wear boots and a protective cloth with chemical resistance.



Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment.

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:

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



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> Liquid Appearance Colour Yellow Odour Characteristic Odour threshold Not available Freezing point Not available Not applicable Melting point **Boiling point** Not available Flammability Not applicable Lower explosive limit Not applicable upper explosive limit Not applicable Flash point Not applicable Auto-ignition temperature Not applicable Decomposition temperature Not available

pH value at 10g/l 12

kinematic viscosity Not available

Solubility in water Miscible in all proportions

Solubility
Partition coefficient: n-octanol/water
Vapour pressure
Mass density
Relative density
Vapour density
Particle characteristics
Not applicable
Not available
Not available
Not available
Not applicable

9.2. Other information

Explosive properties Not applicable Oxidising properties Not applicable Viscosity Not available Evaporation rate: Not available

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

Exothermic reactions with acids.

10.4. Conditions to avoid

Do not store in aluminium, galvanised metal or other containers sensitive to corrosion.

10.5. Incompatible materials

Acids.

Oxidants.



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Oxydable matters.
Light metals and/or colored.
Not to be used on aluminium.

10.6. Hazardous decomposition products

The thermal decomposition can release/form:

- carbon monoxide (CO)

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 hazard classes as defined in Regulation (EC) N°1272/2008

Substance-related data:

Acute toxicity

2-(2-Butoxyethoxy) ethanol : LD 50 - oral rat 2,410 mg/kg. - MSDS supplier 2-(2-Butoxyethoxy) ethanol : LD 50 - dermal rabbit 2,764 mg/kg. - MSDS supplier

Skin corrosion/irritation

Sodium hydroxide (50%): Cutaneous contact rat . Corrosive to the skin - MSDS supplier Sodium hydroxide (50%): Skin corrosion/irritation . Causes severe burns. - MSDS supplier Sodium hydroxide (50%): Skin corrosion/irritation . Causes severe burns. - MSDS supplier

Serious damage to eyes/eye irritation

Sodium hydroxide (50%): Eye contact: . corrosive to the eyes - MSDS supplier

2-(2-Butoxyethoxy) ethanol : Eye irritation . Causes serious eye irritation. - MSDS supplier

Sodium hydroxide (50%): Serious damage to eyes/eye irritation . corrosive to the eyes - MSDS supplier Sodium hydroxide (50%): Serious damage to eyes/eye irritation . Serious damage to eyes - MSDS supplier

Respiratory tracts irritation

Sodium hydroxide (50%): Respiratory tracts irritation . Fog inhalation is irritant for respiratory tract - MSDS supplier

Respiratory / skin sensitisation

2-(2-Butoxyethoxy) ethanol: Skin sensitisation guinea-pig . Not sensitising - MSDS supplier

Mutagenicity

Sodium hydroxide: . Not mutagenic - MSDS supplier

Carcinogenicity

Sodium hydroxide: mouse . Not carcinogenic - MSDS supplier

Mix-related data::

Acute toxicity

. Not determined

Skin corrosion/irritation

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



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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 mixture is not considered as a skin sensitiser according to 1272/2008/EC Regulation. 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 classification criteria are not met given the available data.

Specific target organ toxicity - repeated exposure

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

Aspiration hazard

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

Most important symptoms and effects, both acute and delayed:

Skin contact: May cause a skin irritation.

Eye contact: Can cause irreversible ocular lesions.

Ingestion: Causes severe burns in mouth and digestive tract. Can cause severe damage to the stomach or oesophagus.

Inhalation: May cause a respiratory system irritation.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not concerned

SECTION 12: ECOLOGICAL INFORMATION

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

Substance-related data:

Acute toxicity

Sodium hydroxide: LC 50 - 96 h fishes (Gambusia affinis) 35 - 189 mg/L. - MSDS supplier

2-(2-Butoxyethoxy) ethanol : LC 50 - 96h fishes (Lepomis macrochirus) 1,300 mg/L. - MSDS supplier 2-(2-Butoxyethoxy) ethanol : LC 50 - 48h daphnia (Daphnia magna) > 100 mg/L. - MSDS supplier

2-(2-Butoxyethoxy) ethanol : EC 50 algae (Scenedesmus subspicatus) > 100 mg/L. - MSDS supplier

2-(2-Butoxyethoxy) ethanol (100%): EC 50 - 48hours daphnia (Daphnia magna) (OECD 202): 4,950 mg/L. - MSDS supplier



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Degradability

Sodium hydroxide (50%) : Biodegradability aerobic . Not applicable - MSDS supplier Sodium hydroxide (50%) : Biodegradability anaerobic . Not applicable - MSDS supplier

Sodium hydroxide (50%): Half life air 13 seconds. Degradation product = sodium carbonate - MSDS supplier Sodium hydroxide (50%): Water. . Instantaneous ionization; Degradation products: salts - MSDS supplier

Sodium hydroxide (50%): soil . Ionization / neutralization - MSDS supplier

2-(2-Butoxyethoxy) ethanol : Biodegradability . Easily biodegradable. - MSDS supplier

Bioaccumulation

Sodium hydroxide (50%): . Not applicable - MSDS supplier 2-(2-Butoxyethoxy) ethanol: . Not bioaccumulative - MSDS supplier

Mobility

Sodium hydroxide (50%): air . Instantaneous degradation - MSDS supplier

Sodium hydroxide (50%): Water. . Important solubility and mobility - MSDS supplier

Sodium hydroxide (50%): soil/sediments . Important solubility and mobility; Contamination of ground water in case of rain - MSDS supplier

Mix-related data::

Acute toxicity

fishes . Not determined daphnia . Not determined algae . Not determined

Chronic toxicity

. No data available.

Degradability

 $. The surface agents contained in this \ mix \ are in line \ with the \ requirements \ of the \ Detergent \ Regulation \ 648/2004/EC.$

Bioaccumulation

. No data available.

Mobility

. No data available.

Conclusion:

The mixture is not 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 Endocrine disrupting properties

Not concerned

12.7. Other adverse effects

No additional information available.



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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

ROAD TRANSPORT: Rail/Route (RID/ADR)

14.1 UN no: 1719

14.2 UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide)

14.3 Transport hazard class(es): 8

14.4 Packing group: III

Hazard identification number: 80

Label: 8



Tunnel code: (E)

14.5 Environmental hazard: No

14.6 Special precautions for user: No information.

Limited Quantity (QL): 5L

MARITIME TRANSPORT: IMDG

14.1 UN no :1719

14.2 UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide)



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14.3 Transport hazard class(es): 8



14.4 Packing group: III

14.5 Environmental hazard Marine pollutant : No

14.6 Special precautions for user: No information.

EmS number: F-A, S-B

Limited Quantity (QL): 5L

14.7 Maritime transport in bulk according to IMO instruments: Not concerned

SECTION 15: REGULATORY INFORMATION

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

Regulation (EU) $n^{\circ}528/2012$ concerning the making available on the market and use of biocidal products : Not concerned

Regulations relating to the hazards from major accidents:

SEVESO 3 Directive (2012/18/EC): Not concerned

Regulations relating to the classification, packaging and labelling of substances and mixtures: Regulation (EC) 1272/2008 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.

Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals: Not concerned

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 (EU) 2019/1021 of 20 June 2019 on persistent organic pollutants : Not applicable

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



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Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors:

Not concerned

Regulation (EC) 648/2004:

In conformity with the regulation in force on detergents: Regulation (EC) N° 648/2004.

Ingredient datasheet for the medical staff is available upon written request.

Contains:

5-15% Non-ionic surfactants

Comply with national and local legislation.

15.2. Chemical safety assessment

This safety data sheet has been drafted taking into account the information from exposure scenarios for the substances making up the mixture.

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.

Section(s) modified compared with the previous version:

Revision of the safety data sheet according to (EU) 2020/878 Regulation.

List of H phrases referred to in section 3:

H290: May be corrosive to metals.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage. H319: Causes serious eye irritation.

Sources of key data used to compile the data sheet:



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MSDS supplier

Historical : Version 7.0.0

Cancels and replaces previous version 6.2.