Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2015/830 - United Kingdom (UK)

HORIBAAdvanced Techno

SAFETY DATA SHEET

00879 EU

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

1.1 Product identifier

Product name Product code SDS Drawing Code : 251 ION SENSOR CLEANING SOLUTION

: 3200774601

: M003617

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

Identified uses
Electrode cleaning
Uses advised against
Not available.

1.3 Details of the supplier of the safety data sheet

HORIBA Advanced Techno Co., Ltd. 31, Miyanonishi-cho, Kisshoin, Minami-ku, Kyoto, 601-8306 Japan Tel: +81-75- 321-7184

HORIBA Europe GmbH Hans-Mess-Str.6, D-61440, Oberursel, Germany Tel: +49 6172 1396 0

e-mail address of person : techinfo.hor@jp.horiba.com responsible for this SDS

1.4 Emergency telephone number National advisory body/Poison Center

Telephone number United: +44 (0)20 7771 5310Kingdom (UK)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture <u>Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]</u> Aquatic Acute 1, H400

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

2.2 Label elements

Hazard pictograms



General	: Read label before use. Keep out of reach of children. If medical advice is have product container or label at hand.	needed,
Precautionary statements		
Hazard statements	: Very toxic to aquatic life.	
Signal word	: Warning	

Date of issue/Date of revision

251 ION SENSOR CLEANING SOLUTION

SECTION 2: Hazards identification

Prevention	1	Wear protective gloves and eye or face protection.	
Response	:	Get medical advice/attention.	
Storage	:	eep cool and protect from sunlight. Store locked up. eep it in a dark place between 5 to 30 ℃.	
Disposal	:	Dispose of contents and container in accordance with all local, regional, national and international regulations.	
Supplemental label elements	:	Contains Subtilisin. May produce an allergic reaction.	
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	:	Not applicable.	
Special packaging requirem	en	<u>ts</u>	
Containers to be fitted with child-resistant fastenings	-	Not applicable.	
Tactile warning of danger	1	Not applicable.	
2.3 Other hazards			
Other hazards which do	:	None known.	

not result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures	: Mixture			
			Classification	
Product/ingredient name	Identifiers	%	Regulation (EC) No. 1272/2008 [CLP]	Туре
sodium chloride	EC: 231-598-3 CAS: 7647-14-5	0.5 - 1	Eye Irrit. 2, H319	[1]
tris(hydroxymethyl) aminomethane	EC: 201-064-4	0.1 - 0.5	Skin Irrit. 2, H315	[1]
	CAS: 77-86-1		Eye Irrit. 2, H319	
Subtilisin	-	0.1 - 0.5	Skin Irrit. 2, H315	[1]
			Eye Dam. 1, H318	
			Resp. Sens. 1, H334	
			STOT SE 3, H335	
			Aquatic Chronic 3, H412	
sodium azide	EC: 247-852-1	<0.1	Acute Tox. 2, H300	[1] [2]
	CAS: 26628-22-8		Acute Tox. 1, H310	
	Index: 011-004-00-7		Aquatic Acute 1, H400 (M=1)	
			Aquatic Chronic 1, H410 (M=1)	
			EUH032	
			See Section 16 for the full text of the H statements declared above.	

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

251 ION SENSOR CLEANING SOLUTION

SECTION 4: First aid measures

4.1 Description of first aid n	neasures
Eye contact	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	 Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

4.2 Wost important sym	ptoms and effects, both acute and delayed		
Potential acute health	<u>effects</u>		
Eye contact	: No known significant effects or critical hazards.		
Inhalation	: No known significant effects or critical hazards.		
Skin contact	: No known significant effects or critical hazards.		
Ingestion	: No known significant effects or critical hazards.		
Over-exposure signs/s	symptoms		
Eye contact	: No specific data.		
Inhalation	: No specific data.		
Skin contact	: No specific data.		
Ingestion	: No specific data.		
4.3 Indication of any im	mediate medical attention and special treatment needed		
Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 		
Specific treatments	: No specific treatment.		

SECTION 5: Firefighting measures

5.1 Extinguishing media	
Suitable extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: None known.

5.2 Special hazards arising from the substance or mixture

251 ION SENSOR CLEANING SOLUTION

SECTION 5: Firefight	ting measures
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	: No specific data.
5.3 Advice for firefighters	
Special protective actions for fire-fighters	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, pro	teo	ctive equipment and emergency procedures
For non-emergency personnel	:	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.
		This preparation contains a small amount of sodium azide. Sodium azide is harmful to aquatic organisms and can react with copper, lead, brass or solder in plumbing system and form potentially explosive metal azides. Prevent preparation from entering the drain and water intakes in the environment. If preparation enters the drain, flush with large amounts of water to prevent azide build up. Follow proper disposal procedures.

6.3 Methods and materials for containment and cleaning up

Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

251 ION SENSOR CLEANING SOLUTION

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Incompatible with acids, with some metals. Forms explosion-sensitive compounds.

7.3 Specific end use(s)

Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient nan	Exposure limit values
Subtilisin	EH40/2005 WELs (United Kingdom (UK), 12/2011). Inhalation sensitizer. TWA: 0.00004 mg/m ³ 8 hours.
procedures atr of pro the the lim atr ex (W for	oduct contains ingredients with exposure limits, personal, workplace here or biological monitoring may be required to determine the effectiveness entilation or other control measures and/or the necessity to use respiratory ve equipment. Reference should be made to monitoring standards, such as wing: European Standard EN 689 (Workplace atmospheres - Guidance for essment of exposure by inhalation to chemical agents for comparison with use and measurement strategy) European Standard EN 14042 (Workplace heres - Guide for the application and use of procedures for the assessment of e to chemical and biological agents) European Standard EN 482 ace atmospheres - General requirements for the performance of procedures neasurement of chemical agents) Reference to national guidance ents for methods for the determination of hazardous substances will also be d.
DNELs/DMELs	

251 ION SENSOR CLEANING SOLUTION

SECTION 8: Exposure controls/personal protection

Product/ingredient name	Туре	Exposure	Value	Population	Effects
sodium chloride	DNEL	Short term Oral	126.65 mg/	General	Systemic
			kg bw/day	population	5
	DNEL	Long term Oral	126.65 mg/	General	Systemic
		5	kg bw/day	population	,
	DNEL	Short term Dermal	126.65 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Dermal	126.65 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Short term Dermal	295.52 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Long term Dermal	295.52 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Short term	443.28 mg/	General	Systemic
		Inhalation	m³	population	
	DNEL	Long term	443.28 mg/	General	Systemic
		Inhalation	m³	population	
	DNEL	Short term	2068.62	Workers	Systemic
		Inhalation	mg/m³		
	DNEL	Long term	2068.62	Workers	Systemic
		Inhalation	mg/m³		
Subtilisin	DMEL	Long term	15 ng/m ³	General	Local
		Inhalation	-	population	
	DMEL	Long term	15 ng/m³	General	Systemic
		Inhalation	-	population	
	DMEL	Long term	60 ng/m³	Workers	Local
		Inhalation	-		
	DMEL	Long term	60 ng/m³	Workers	Systemic
		Inhalation	Ū		
	DNEL	Long term Oral	1.8 mg/kg	General	Systemic
		-	bw/day	population	
	DNEL	Short term Oral	3.6 mg/kg	General	Systemic
			bw/day	population	

PNECs

No PNECs available.

8.2 Exposure controls		
Appropriate engineering controls	Good general ventilation should be sufficient to control contaminants.	worker exposure to airborne
Individual protection measures	2	
Hygiene measures	Wash hands, forearms and face thoroughly after handl eating, smoking and using the lavatory and at the end of Appropriate techniques should be used to remove pote Wash contaminated clothing before reusing. Ensure the safety showers are close to the workstation location.	f the working period. ntially contaminated clothing.
Eye/face protection	Safety eyewear complying with an approved standard s assessment indicates this is necessary to avoid exposu gases or dusts. If contact is possible, the following prot unless the assessment indicates a higher degree of pro side-shields.	re to liquid splashes, mists, ection should be worn,
Skin protection		
Hand protection	Chemical-resistant, impervious gloves complying with a be worn at all times when handling chemical products i this is necessary. Considering the parameters specified check during use that the gloves are still retaining their should be noted that the time to breakthrough for any g different for different glove manufacturers. In the case several substances, the protection time of the gloves ca	f a risk assessment indicates by the glove manufacturer, protective properties. It love material may be of mixtures, consisting of
Date of issue/Date of revision	: 1/6/2020	00879 EU 6/13

251 ION SENSOR CLEANING SOLUTION

SECTION 8: Exposure controls/personal protection

Body protection	 Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties				
<u>Appearance</u>				
Physical state	:	Liquid.		
Color	:	Colorless.		
Odor	:	Not available.		
Odor threshold	:	Not available.		
рН	:	Not available.		
Melting point/freezing point	:	Not available.		
Initial boiling point and boiling range	:	Not available.		
Flash point	:	Not available.		
Evaporation rate	:	Not available.		
Flammability (solid, gas)	:	Not available.		
Upper/lower flammability or explosive limits	:	Not available.		
Vapor pressure	:	Not available.		
Vapor density	:	Not available.		
Relative density	:	Not available.		
Solubility(ies)	:	Not available.		
Partition coefficient: n-octanol/ water	:	Not available.		
Auto-ignition temperature	:	Not available.		
Decomposition temperature	:	Not available.		
Viscosity	:	Not available.		
Explosive properties	:	Not available.		
Oxidizing properties	:	Not available.		

9.2 Other information

No additional information.

251 ION SENSOR CLEANING SOLUTION

SECTION 10: Stability and reactivity					
10.1 Reactivity	:	No specific test data related to reactivity available for this product or its ingredients.			
10.2 Chemical stability	:	The product is stable.			
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.			
10.4 Conditions to avoid	:	No specific data. This reagent contains sodium azide as preservative. Sodium azide may react with Pb and Cu and form dangerous material, metal azide product.			
10.5 Incompatible materials	:	No specific data.			
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.			

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
	LD50 Oral LD50 Oral		3000 mg/kg 3700 mg/kg	-

Conclusion/Summary : Not available.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
sodium chloride	Eyes - Moderate irritant	Rabbit	-	24 hours 100	-
		D 11 1		milligrams	
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	
	Skin - Mild irritant	Rabbit	-	24 hours 500	-
				milligrams	
Subtilisin	Eyes - Moderate irritant	Rabbit	-	3 milligrams	-
Conclusion/Summary	: Not available.				
Sensitization					
Conclusion/Summary	: Not available.				
<u>Mutagenicity</u>					
Conclusion/Summary	: Not available.				
Carcinogenicity					
Conclusion/Summary	: Not available.				
Reproductive toxicity					
Conclusion/Summary	: Not available.				
Teratogenicity					
Conclusion/Summary	: Not available.				
Specific target organ toxicity	<u>y (single exposure)</u>				

Product/ingredient name	Category	Route of exposure	Target organs
Subtilisin	Category 3	• •	Respiratory tract irritation

251 ION SENSOR CLEANING SOLUTION

SECTION 11: Toxicological information

Specific target organ toxicity (repeated exposure) Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure	1	Not available.
Potential acute health effects		
Eye contact	1	No known significant effects or critical hazards.
Inhalation	1	No known significant effects or critical hazards.
Skin contact	1	No known significant effects or critical hazards.
Ingestion	1	No known significant effects or critical hazards.

Symptoms related to the	physical, chemical and	toxicological characteristics

Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: No specific data.
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Short term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
<u>Long term exposure</u>	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effe	ects
Not available.	
Conclusion/Summary	: Not available.
General	: No known significant effects or critical hazards.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
Developmental effects	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity

251 ION SENSOR CLEANING SOLUTION

SECTION 12: Ecological information

Product/ingredient name	Result	Species	Exposure
sodium chloride	Acute EC50 2430000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute EC50 28.85 mg/dm3 Fresh water		72 hours
	Acute EC50 519.6 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute EC50 4.96 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute IC50 6.87 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Acute LC50 1000000 µg/l Fresh water	Fish - Morone saxatilis - Larvae	96 hours
	Chronic LC10 781 mg/l Fresh water	Crustaceans - Hyalella azteca - Juvenile (Fledgling, Hatchling, Weanling)	3 weeks
	Chronic NOEC 6 g/L Fresh water	Aquatic plants - Lemna minor	96 hours
	Chronic NOEC 0.314 g/L Fresh water	Daphnia - Daphnia pulex	21 days
	Chronic NOEC 100 mg/l Fresh water	Fish - Gambusia holbrooki - Adult	8 weeks
Subtilisin	Acute EC50 23.78 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate	48 hours

Conclusion/Summary : Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Subtilisin	-3.1	-	low

12.4 Mobility in soil	
Soil/water partition coefficient (K _{oc})	: Not available.
Mobility	: Not available.

12.5 Results of PBT and vPvB assessment

- **PBT** : Not applicable.
- vPvB : Not applicable.
- **12.6 Other adverse effects** : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste <u>Packaging</u>	: The classification of the product may meet the criteria for a hazardous waste.

251 ION SENSOR CLEANING SOLUTION

SECTION 13: Disposal considerations

Methods of disposal

The generation of waste should be avoided or minimized wherever possible.
Incineration or landfill should only be considered when recycling is not feasible

- Special precautions
- Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be
- taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 Special precautions for user

: **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture <u>EU Regulation (EC) No. 1907/2006 (REACH)</u>

Annex XIV - List of substances subject to authorization

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions : Not applicable.

on the manufacture,

placing on the market and use of certain dangerous

substances, mixtures and articles

Other EU regulatio

Other EU regulations Europe inventory

: All components are listed or exempted.

Seveso Directive

This product is controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

251 ION SENSOR CLEANING SOLUTION

SECTION 15: Regulatory information

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

15.2 Chemical Safety :	This product contains substances for which Chemical Safety Assessments are still
Assessment	required.

SECTION 16: Other information

Abbreviations and acronyms	4	ATE = Acute Toxicity Estimate
		CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.
		1272/2008]
		DMEL = Derived Minimal Effect Level
		DNEL = Derived No Effect Level
		EUH statement = CLP-specific Hazard statement
		PBT = Persistent, Bioaccumulative and Toxic
		PNEC = Predicted No Effect Concentration
		RRN = REACH Registration Number
		vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classi	fication	Justification	
Aquatic Acute 1, H400		Calculation method	
Full text of abbreviated H statements	: H315 H318 H319 H334 H335 H400 H412	Causes skin irritation. Causes serious eye damage. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.	
Full text of classifications [CLP/GHS]	Aquatic Acute 1, H400 Aquatic Chronic 3, H412 Eye Dam. 1, H318 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Irrit. 2, H315 STOT SE 3, H335	AQUATIC HAZARD (ACUTE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 3 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1 SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2 RESPIRATORY SENSITIZATION - Category 1 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	
Full text of abbreviated R phrases	R36- Irritating to eyes. R37/38- Irritating to respi R42- May cause sensitiz	R41- Risk of serious damage to eyes. R36- Irritating to eyes. R37/38- Irritating to respiratory system and skin. R42- May cause sensitization by inhalation. R50- Very toxic to aquatic organisms.	
Full text of classifications [DSD/DPD]	: Xi - Irritant N - Dangerous for the er	Xi - Irritant N - Dangerous for the environment	
Date of issue/ Date of revision	: 1/6/2020		
Date of previous issue <u>Notice to reader</u>	: 1/6/2020		

SECTION 16: Other information

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.