Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2016/918

SAFETY DATA SHEET

NANOSIGN UNIVERSOL

PROCHEMIKO CHEMTEC

Murodex ZR

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

1.1	Prod	luct id	lentifier	
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Product name

: Murodex ZR

Product description Product type UFI

: Cleaner.

: Liquid.

: SPQV-20RY-800N-AGWU

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

Identified u	ses
Industrial use Professional use	
Uses advised against Reason	
Consumer use	Product is not intended for consumer use.

1.3 Details of the supplier of the safety data sheet

Rust-Oleum Europe - Martin Mathys NV, Kolenbergstraat 23, B-3545 Zelem, Belgium Telephone no.: +32 (0) 13 460 200 Fax no.: +32 (0) 13 460 201

e-mail address of person : rpmeurohas@rustoleum.eu responsible for this SDS

1.4 Emergency telephone number

<u>Supplier</u>	
Telephone number	: +44 (0) 207 858 1228
Hours of operation	: 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Acute Tox. 4, H302 Skin Corr. 1B, H314

Product definition

Eye Dam. 1, H318

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

Ingredients of unknown toxicity

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

	identification
Hazard pictograms	
Signal word	: Danger
Hazard statements	: Harmful if swallowed. Causes severe skin burns and eye damage.
Precautionary statements	
General	: Not applicable.
Prevention	 P264 - Wash hands thoroughly after handling. P280 - Wear protective clothing and face protection: nitrile rubber or butyl rubber gloves Wear apron or coverall if there is a risk of exposure to splashes. Goggles, face shield or other full-face protection where potential exists for direct exposure to aerosols or splashes.
Response	 P301 - IF SWALLOWED: P330 - Rinse mouth. P331 - Do NOT induce vomiting. P303 - IF ON SKIN (or hair): P361 - Take off immediately all contaminated clothing. P353 - Rinse skin with water or shower. P305 - IF IN EYES: P351 - Rinse cautiously with water for several minutes. P338 - Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a doctor.
Storage	: P405 - Store locked up.
Disposal	: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazardous ingredients	: ammonium bifluoride
Supplemental label elements	: Not applicable.
Detergents - Regulation (EC) No 907/2006 - Annex VII A	: -
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: For professional use only.
Special packaging requirem	ents
Containers to be fitted with child-resistant fastenings	: Not applicable.
Tactile warning of danger	: Not applicable.
.3 Other hazards	
Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
Other hazards which do not result in classification	: None known.

SECTION 3: Composition/information on ingredients

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3.2 Mixtures	: Mixture			
Product/ingredient name	Identifiers	%	<u>Classification</u> Regulation (EC) No. 1272/2008 [CLP]	Туре
ammonium bifluoride	EC: 215-676-4 CAS: 1341-49-7 Index: 009-009-00-4	≤10	Acute Tox. 3, H301 Skin Corr. 1B, H314 Eye Dam. 1, H318	[1] [2]
ammonium fluoride	EC: 235-185-9 CAS: 12125-01-8 Index: 009-006-00-8	≤1	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331	[1] [2]
			See Section 16 for the full text of the H statements declared above.	

There are no additional 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.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

[6] Additional disclosure due to company policy

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

General	:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Eye contact	:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation	:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin contact	1	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion	1	If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

The mixture has been assessed following the conventional method of the CLP Regulation (EC) No 1272/2008 and is classified for toxicological properties accordingly. See Sections 2 and 3 for details.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in nonallergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

SECTION 4: First aid measures

Over-exposure signs/symptoms

Eye contact	: Adverse symptoms may include the following: pain watering redness
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: pain or irritation redness blistering may occur
Ingestion	: Adverse symptoms may include the following: stomach pains

4.3 Indication of any in	mmediate medical attention and special treatment needed	
Notes to physician	. In apparent inholation of decomposition products in a fire of	

Notes to physician	: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments	: No specific treatment.

See toxicological information (Section 11)

SECTION 5: Firefigh	ting measures
5.1 Extinguishing media	
Suitable extinguishing media	: Recommended: alcohol-resistant foam, CO ₂ , powders, water spray.
Unsuitable extinguishing media	: Do not use water jet.
5.2 Special hazards arising	rom the substance or mixture
Hazards from the substance or mixture	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	 Decomposition products may include the following materials: nitrogen oxides halogenated compounds
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.
Additional information	: No unusual hazard if involved in a fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, prot	ective 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 spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	If specialised 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 spilt 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).
6.3 Methods and material for o	ontainment 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 the 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 spilt 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.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

7.1 Precautions for safe handling	: Keep away from heat, sparks and flame. Avoid contact with skin and eyes. Avoid the inhalation of dust, particulates, spray or mist arising from the application of this mixture. Avoid inhalation of dust from sanding.
	Eating, drinking and smoking should be prohibited in areas where this material is
	handled, stored and processed.
	Put on appropriate personal protective equipment (see Section 8).
	Never use pressure to empty. Container is not a pressure vessel.
	Always keep in containers made from the same material as the original one.
	Comply with the health and safety at work laws.
	Do not allow to enter drains or watercourses.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

Keep away from: oxidising agents, strong alkalis, strong acids.

Additional information on storage conditions

Observe label precautions. Store in a dry, cool and well-ventilated area. Keep away from heat and direct sunlight. Keep away from sources of ignition. No smoking. Prevent unauthorised access. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

7.3 Specific end use(s)

Recommendations

: Not available.

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SECTION 7: Handling and storage

Industrial sector specific : Not available. solutions

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 name	Exposure limit values	
ammonium bifluoride	EH40/2005 WELs (United Kingdom (UK), 8/2018). Notes: as F	
ammonium fluoride	TWA: 2,5 mg/m³, (as F) 8 hours. EH40/2005 WELs (United Kingdom (UK), 8/2018). TWA: 2,5 mg/m³, (as F) 8 hours.	
procedures atmosphere or loft the ventilation protective equip the following: E the assessment limit values and atmospheres - 0	ontains ingredients with exposure limits, personal, workplace biological monitoring may be required to determine the effectiveness n or other control measures and/or the necessity to use respiratory oment. Reference should be made to monitoring standards, such as European Standard EN 689 (Workplace atmospheres - Guidance for t of exposure by inhalation to chemical agents for comparison with I measurement strategy) European Standard EN 14042 (Workplace Guide for the application and use of procedures for the assessment chemical and biological agents) European Standard EN 482	

(Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name	Туре	Exposure	Value	Population	Effects
ammonium bifluoride	DNEL	Short term Oral	0,015 ng/	General	Systemic
			kg bw/day	population	
	DNEL	Long term Oral	0,015 mg/	General	Systemic
			kg bw/day	population	
	DNEL	Long term	0,045 mg/	General	Systemic
		Inhalation	m³	population	_
	DNEL	Long term	2,3 mg/m³	Workers	Systemic
		Inhalation			
	DNEL	Short term	3,8 mg/m³	Workers	Local
		Inhalation			
ammonium fluoride	DNEL	Short term Dermal	0,36 mg/ kg bw/day	Workers	Systemic
	DNEL	Long term Dermal	0,36 mg/	Workers	Systemic
			kg bw/day		
	DNEL	Long term	2,5 mg/m³	Workers	Local
		Inhalation			
	DNEL	Short term	2,5 mg/m³	Workers	Systemic
		Inhalation			
	DNEL	Long term	2,5 mg/m³	Workers	Systemic
		Inhalation			

PNECs

No PNECs available

8.2 Exposure controls

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls	: Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapours below the OEL, suitable respiratory protection must be worn.
Individual protection meas	<u>ures</u>
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Eye/face protection	: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
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Skin protection

Hand protection

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin but should not be applied once exposure has occurred.

Gloves	1	For prolonged or repeated handling, use the following type of gloves:
		Recommended: butyl rubber (0.6 mm) or nitrile rubber gloves The recommendation for the type or types of glove to use when handling this
		product is based on information from the following source: EN 374
		The user must check that the final choice of type of glove selected for handling this product is the most appropriate and takes into account the particular conditions of use, as included in the user's risk assessment.
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. Recommended: inorganic gases/vapours filter (Type B) Filter type: B2/P2 (EN 140)
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

Appearance

Appearance		
Physical state	:	Liquid.
Colour	:	Translucent. Pink
Odour	:	Odourless.
Odour threshold	:	Not available.
рН	:	4,8 [Conc. (% w/w): 100%]
Melting point/freezing point	÷	<0°C
Initial boiling point and boiling range	1	>100°C
Flash point	:	Closed cup: Not applicable. [Product does not sustain combustion.]
Evaporation rate	:	Not available.
Flammability (solid, gas)	÷	Not available.
Upper/lower flammability or explosive limits	;	Not available.
Vapour pressure	÷	0,33 to 20,8 kPa [room temperature]
Vapour density	:	Not available.
Relative density	:	1,03
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.
Oxidising properties	1	Not available.

9.2 Other information

No additional information.

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	:	Stable under recommended storage and handling conditions (see Section 7).
10.3 Possibility of hazardous reactions	:	Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	:	When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials	:	Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
10.6 Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced. If involved in a fire, toxic gases including CO, CO2 and smoke can be generated.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name		Result	Spe	ecies	Dose	Exposure
ammonium bifluoride	LD50 Oral		Rat		130 mg/kg	-
Conclusion/Summary	: Harmful if	swallowed.	!		<u>.</u>	-
Acute toxicity estimates						
	Route				ATE val	ue
Oral				500 mg	′kg	
Irritation/Corrosion						
Conclusion/Summary						
Skin	: Corrosive	to the skin.				
Eyes	: Causes s	erious eye damage	e.			
Respiratory	: Based on	available data, the	e classificat	ion crite	ria are not met.	
<u>Sensitisation</u>						
Conclusion/Summary						
Skin	: Based on	available data, the	e classificat	ion crite	ria are not met.	
Respiratory	: Based on	available data, the	e classificat	ion crite	ria are not met.	
<u>Mutagenicity</u>						
Conclusion/Summary	: Based on	available data, the	e classificat	ion crite	ria are not met.	
Carcinogenicity						
Conclusion/Summary	: Based on	available data, the	e classificat	ion crite	ria are not met.	
Reproductive toxicity						
Conclusion/Summary	: Based on	available data, the	e classificat	ion crite	ria are not met.	
<u>Teratogenicity</u>						
Conclusion/Summary	: Based on	available data, the	e classificat	ion crite	ria are not met.	
Specific target organ toxicit	<u>y (single exp</u>	<u>iosure)</u>				
Not available.						
Specific target organ toxicit	<u>y (repeated e</u>	<u>exposure)</u>				
Not available.						
Aspiration hazard						
Aspiration hazard Not available.						
	<u>ts as well as</u>	chronic effects f	rom short	and lon	<u>g-term exposure</u>	
Not available.	<u>ts as well as</u>	<u>chronic effects f</u>	rom short	and lon	<u>g-term exposure</u>	
Not available. Delayed and immediate effect	t <mark>s as well as</mark> : Not availa		rom short	and lon	<u>g-term exposure</u>	
Not available. Delayed and immediate effect Short term exposure Potential immediate		ible.	irom short	and lon	<u>g-term exposure</u>	
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Not available. Delayed and immediate effect Short term exposure Potential immediate effects Potential delayed effects Long term exposure Potential immediate effects Potential delayed effects Potential delayed effects Potential delayed effects	: Not availa : Not availa : Not availa : Not availa ects	able. able. able.				

Date of issue/Date of revision

SECTION 11: Toxicological information

lo known significant effects or critical hazards.
lo known significant effects or critical hazards.
lo known significant effects or critical hazards.
lo known significant effects or critical hazards.
lo known significant effects or critical hazards.
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Other information : Not available.

SECTION 12: Ecological information

12.1 Toxicity

There are no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment.

Product/ingredient name	Result	Species	Exposure
ammonium bifluoride	Acute LC50 >100 mg/l	Fish	96 hours
ammonium fluoride	Acute LC50 363,8 mg/l Fresh water	Fish - Pimephales promelas	96 hours

Conclusion/Summary : Based on available data, the classification criteria are not met.

12.2 Persistence and degradability

Conclusion/Summary : The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
ammonium fluoride	-	53 to 58	low

12.4 Mobility in soil

Soil/water partition coefficient (Koc)	: Not available.
Mobility	: Not available.

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 known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance.

13.1 Waste treatment methods

Product

Date of issue/Date of revision

SECTION 13: Disposal considerations

-	
Methods of disposal	: The generation of waste should be avoided or minimised 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	: Yes.
Disposal considerations	 Do not allow to enter drains or watercourses. Dispose of according to all federal, state and local applicable regulations. If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned. For further information, contact your local waste authority.

European waste catalogue (EWC)

The European Waste Catalogue classification of this product, when disposed of as waste, is:

Waste code	Waste designation		
07 06 01*	aqueous washing liquids and mother liquors		
Packaging			
Methods of disposal	: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.		
Disposal considerations	 Using information provided in this safety data sheet, advice should be obtained from the relevant waste authority on the classification of empty containers. Empty containers must be scrapped or reconditioned. Dispose of containers contaminated by the product in accordance with local or national legal provisions. 		
Special precautions	: 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 spilt material and runoff and contact with soil, waterways, drains and sewers.		

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	UN1760	UN1760	UN1760	UN1760
14.2 UN proper shipping name	Corrosive liquid, n.o.s. (ammonium bifluoride)	Corrosive liquid. n.o.s. (ammonium bifluoride)	Corrosive liquid, n.o.s. (ammonium bifluoride)	Corrosive liquid, n.o.s. (ammonium bifluoride)
14.3 Transport hazard class(es)	8	8	8	8
14.4 Packing group	11	11	Ш	11
14.5 Environmental hazards	No.	No.	No.	No.
Date of issue/Date of rev	vision : 27/08/2019	Date of previous issue	: 27/08/2019	Version : 2 11/

SECTION 14: Transport information

-	•		-	
Additional	Limited quantity:	-	Emergency	Passenger and
information	LQ22		<u>schedules (EmS):</u>	Cargo Aircraft
			F-A + <u>S-B</u>	Quantity limitation: 1L
	Remarks:			Packaging
	(<u><</u> 1L:) Limited		Remarks:	instructions: 851
	Quantity - ADR/IMDG		(≤ 1L:) Limited	Cargo Aircraft Only
	3.4		Quantity - ADR/IMDG	Quantity limitation: 30
			3.4.6	L
	ADR Tunnel code: (E)			Packaging
				instructions: 855
				Limited Quantities -
				Passenger Aircraft
				Quantity limitation:
				0.5L
				Packaging
				instructions: Y 840
		1	1	

user

14.6 Special precautions for : 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 enviro	onmental regul	lations/legislation spec	cific for the substand	ce or mixture	
EU Regulation (EC) No. 190	7/2006 (REACH	<u>1)</u>			
Annex XIV - List of substar	nces subject to	<u>authorisation</u>			
Annex XIV					
None of the components ar	e listed.				
Substances of very high of	<u>concern</u>				
None of the components ar	e listed.				
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: For profess	ional use only.			
Other EU regulations					
VOC	: -				
VOC for Ready-for-Use Mixture	: Not applical	ble.			
Europe inventory	: All compone	ents are listed or exempt	ted.		
Black List Chemicals (76/464/EEC)	:				
Industrial emissions (integrated pollution prevention and control) - Air	: Listed				
Ozone depleting substance	<u>es (1005/2009/</u>	<u>EU)</u>			
Not listed.					
Prior Informed Consent (Pl	IC) (649/2012/F	:U)			
Not listed.					
Seveso Directive					
Date of issue/Date of revision	: 27/08/2019	Date of previous issue	: 27/08/2019	Version : 2	12/14

SECTION 15: Regulatory information

This product is not controlled under the Seveso Directive.

National regulations	
Industrial use	: The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation. The provisions of the national health and safety at work regulations apply to the use of this product at work.
References	: EH40/2005 Workplace exposure limits Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 2016/918
International regulations	

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

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.

CN code : 3402 90 90

International lists

National inventory	
Australia	: All components are listed or exempted.
Canada	: All components are listed or exempted.
China	: All components are listed or exempted.
Japan	: Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: Not determined
New Zealand	: All components are listed or exempted.
Philippines	: All components are listed or exempted.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Turkey	: Not determined.
United States	: All components are listed or exempted.
Thailand	: Not determined.
Viet Nam	: Not determined.
5.2 Chomical safety	No Chemical Safety Assessment has been carried

15.2 Chemical safety assessment

: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms : 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]

Classification	Justification
Skin Corr. 1B, H314	Expert judgment Expert judgment Expert judgment

Full text of H-phrases referred to in sections 2 and 3

Full text of abbreviated H statements		H301 H302 H311 H314 H318 H331	Toxic if swallowed. Harmful if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. Causes serious eye damage. Toxic if inhaled.
Full text of classifications [CLP/GHS]		Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Acute Tox. 4, H302 Eye Dam. 1, H318 Skin Corr. 1B, H314	ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 ACUTE TOXICITY (oral) - Category 4 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B
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Version	: 2	2	
Notice to reader			

Notice to reader

The information in this Safety Data Sheet is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.