	MARBEC SRL	Revision No. 6 Revision date 01/02/2022
	YCH0002 - SPEED 90	Printed on 01/02/2022
		Page No. 1/ 17
		Replaces revision: 5 (Revision date: 10/22/2020)
	Safety Data Sheet Complies with Annex II of REACH - Regulation (EU) 2	2020/878
SECTION 1. Identifica	ation of the substance/mixture and of the con	npany/undertaking
1.1. Product identifier		5
Code:	YCH0002	
Name Chemical name and synonyms	SPEED 90 SPEED 90	
1.2. Relevant identified uses	of the substance or mixture and uses advised against	
Description/Use	Acid cleaner, descaler, rust remover.	
Sector of use	SU22 – Professional uses	
	bid use: ormation of aerosols where workers are exposed without respirator splashes in the eyes/face where workers do not have eye/face pro	
1.3. Details of the supplier of Company Name Address Location and State	MARBEC SRL VIA CROCESE ROSSA 5/i	
	51037 MONTALE (PISTOIA) ITALY	
	Tel. +039 0573/959848	
	fax	
email of the competent person,	sheet becarelli@marbec.it	
responsible for the safety data		
1.4. Emergency telephone nu For urgent information, please (ARBEC srl 573959848 8.30am-1pm 2pm-6 elephone number of Poison Co ational Poisons Information So	contact pm or 3357267921	
SECTION 2. Hazards	identification	
1. Classification of the substa	nce or mixture	
oduct therefore requires a safety	dous pursuant to the provisions of Regulation (EC) 1272/2008 (CL y data sheet compliant with the provisions of Regulation (EU) 2020 ng health and/or environmental risks is given in sections 11 and 12	D/878.
assification and hazard stateme		fswallowed

Acute toxicity, category 4	H302
Skin corrosion, category 1B	H314

Harmful if swallowed. Causes severe skin burns and serious eye damage.

	M	ARBEC SRL		Revision No. 6 Revision date 01/02/2022
	YCH0	002 - SPEED 90		Printed on 01/02/2022
				Page No. 2/ 17
				Replaces revision: 5 (Revision date: 10/22/2020)
Serious eye damage, o	ategory 1	H318	Causes serious eye dan	nage.
2.2. Label elements				
Hazard labelling pursuant	to Regulation (EC) 1272/2	2008 (CLP) and subsequen	t amendments and adjustments.	
Hazard pictograms:				
	!>			
Warnings:	Danger			
Hazard statements:				
H302 H314	Harmful if swallowed. Causes severe skin bu	urns and serious eye dama	ge.	
Precautionary advice:				
P260 P305+P351+P338		fume / gas / mist / vapors / utiously with water for seve		s, if present and easy to do. Continue
P303+P361+P353 P280 P264	IF ON SKIN (or hair): F	s/clothing and eye/face pro	ntaminated clothing. Rinse skin with tection.	n water [or shower].
P301+P330+P331 P304+P340	IF SWALLOWED: Rins	se mouth. DO NOT induce	vomiting. p at rest in a position comfortable fo	or breathing.
Contains:	AMMONIUM BIFLUOF Phosphoric Acid 75%	RIDE		
2.3. Other dangers				
Based on available data,	the product does not contai	in PBT or vPvB substances	s in percentages ≥ 0.1%.	
	tain substances with endoc			
SECTION 3. Co	mposition/informa	tion on ingredient	S	
3.2. Mixtures				
Contains:				
Identification	x = Conc.	% Classification 1	272/2008 (CLP)	

Phosphoric Acid 75%		
CAS 7664-38-2	9 ≤ x < 15	Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318

	MARBEC SRL					
	Printed on 01/02/2022					
	1011000	2 - SPEED 90	Page No. 3/ 17			
			Replaces revision: 5 (Revision date: 10/22/2020)			
EC 231-633-2		LD50 Oral: >300 mg/kg				
INDEX 015-011-00-6						
REACH Reg. 01-2119485924-24- 005						
AMMONIUM BIFLUORIDE						
CAS 1341-49-7	3 ≤ x < 5	Acute Tox. 3 H301, Skin Corr. 1B H314, Eye	e Dam. 1 H318			
EC 215-676-4		Skin Corr. 1B H314: ≥ 1%, Skin Irrit. 2 H315. 1%, Eye Irrit. 2 H319: ≥ 0.1%	: ≥ 0.1%, Eye Dam. 1 H318: ≥			
INDEX 009-009-00-4		Oral LD50: 130				
REACH Reg. 01-2119489180-38- xxxx						
2-PROPANOL						
CAS 67-63-0	1 ≤ x < 3	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT S	SE 3 H336			
EC 200-661-7						
INDEX 603-117-00-0						
REACH Reg. 01-2119457558-25- xxxx						

The full text of the hazard statements (H) is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove any contact lenses. Wash immediately with plenty of water for at least 30-60 minutes, holding the eyelids wide open. Consult a doctor immediately.

SKIN: Remove contaminated clothing. Shower immediately. Seek medical attention immediately.

INGESTION: Drink as much water as possible. Seek medical attention immediately. Do not induce vomiting unless directed by a doctor.

INHALATION: Call a doctor immediately. Move the victim to fresh air, away from the accident site. If breathing stops, administer artificial respiration. Take appropriate precautions for the rescuer.

4.2. Main symptoms and effects, both acute and delayed

There is no specific information available on symptoms and effects caused by the product.

4.3. Indication of any need to immediately consult a doctor and require special treatment

Information not available

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS Choose the most appropriate extinguishing media for the specific situation. UNSUITABLE EXTINGUISHING MEANS No one in particular.

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022 Page No. 4/ 17

Replaces revision: 5 (Revision date:

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE The product is neither flammable nor combustible.

5.3. Recommendations for firefighters

EQUIPMENT

Normal firefighting clothing, such as open-circuit compressed air breathing apparatus (EN 137), flame-retardant overalls (EN469), flame-retardant gloves (EN 659) and firefighter's boots (HO A29 or A30).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep unauthorized persons away. Avoid breathing vapors/mists/gases. Wear appropriate protective equipment (including personal protective equipment as specified in Section 8 of the Safety Data Sheet) to prevent contamination of skin, eyes, and personal clothing. These instructions apply to both workers and emergency responders.

6.2. Environmental precautions

Prevent the product from entering sewers, surface water or groundwater.

6.3. Methods and materials for containment and remediation

Vacuum the spilled product into a suitable container. Assess the compatibility of the container to be used with the product, checking section 10. Absorb the remainder with inert absorbent material.

Ensure adequate ventilation of the spill area. Dispose of contaminated material in accordance with the provisions of section 13.

6.4. Reference to other sections

Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid aerosol formation. In the event of aerosol formation, special protective measures (exhaust, respiratory protection) are required. Ensure good ventilation of work areas. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Keep containers tightly closed in a well-ventilated area, away from direct sunlight. Store in a cool, well-ventilated place. Keep containers away from any incompatible materials, see section 10.

Storage class TRGS 510 (Germany): 8B

7.3. Specific end uses

Information not available

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022 Page No. 5/ 17

Replaces revision: 5 (Revision date: 10/22/2020)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Germany	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
ESP	Spain	Arbeitssional exposure limits for chemical agents in Spain 2021
BETWEEN	France	Value limits of professional exposure to chemical agents in France. ED 984 - INRS
ITA	Italy	Legislative Decree 9 April 2008, n.81
PRT	Portugal	Decree-Lei n.º 1/2021 of 6 January, indicative professional exposure limit values for chemical agents. Legislative Decree no. 35/2020 of 13 July, protection of workers against risks linked to exposure during work with cancerous or mutagenic agents
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2009/39/EC; Directive 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2021

Phosphoric Acid 75% Threshold limit value						
Туре	State	TWA/8h	TWA/8h		n	Notes / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	2		4		inhalable
MAK	DEU	2		4		inhalable
VLA	ESP	1		2		
VLEP	BETWEEN	1	0.2	2	0.5	
VLEP	ITA	1		2		
VLE	PRT	1		2		
WEL	GBR	1		2		
OEL	EU	1		2		

Health - Derived No-E	ffect Level - DNEL / Effects on consumers	DMEL			Effects on workers			
Exposure Route	Acute locals	Acute systemic	Chronic premises	Chronic systemic	Acute locals	Acute systemic	Chronic premises	Chronic systemic
Oral				0.1 mg/kg bw/d				
Inhalation			0.36 mg/m3	4.57 mg/m3	2 mg/m3		1 mg/m3	10.7 mg/m3
Dermal								VND

AMMONIUM BIFLUORIDE

Threshold limit valu	le						
Туре	State	TWA/8h		STEL/15min	I	Notes / Observations	
		mg/m3	ppm	mg/m3	ppm		
MAK	DEU	1		4		INALAB	Als F
МАК	DEU	1		4		SKIN	Als F
VLA	ESP	2.5					Como F
VLEP	BETWEEN	2.5					
VLEP	ITA	2.5					like F
VLE	PRT	2.5					Como F

		MARBEC	SRL			Re	vision No. 6	
	R						vision date 01/02/20	
	YCH0002 - SPEED 90					Pri	nted on 01/02/2022	
							ge No. 6/ 17	
							places revision: 5 (F /22/2020)	Revision date:
WEL	GBR	2.5					As F	
OEL	EU	2.5					A3 1	
TLV-ACGIH		2.5						
Predicted no-effect concentr	ration - PNEC							
Reference value in fresh wa	ter			1.3	mg	/I		
Reference value for STP mi	croorganisms			76	mg	/I		
Reference value for the terre	estrial compartment			22	mg	/kg		
Health - Derived No-Eff	fect Level - DNEL / Effects on	DMEL			Effects on			
	consumers				workers			
Exposure Route	Acute locals	Acute systemic	Chronic premises	Chronic systemic	Acute locals	Acute systemic	Chronic premises	Chronic systemic
Oral		0.015 mg/kg bw/d		0.015 mg/kg bw/d				
Inhalation		511/4		0.045 mg/m3	3.8 mg/m3			2.3 mg/m3
2-PROPANOL Threshold limit value								
Туре	State	TWA/8h		STEL/15min		Notes / Observa	itions	
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	500	200	1000	400			
MAK	DEU	500	200	1000	400			
VLA	ESP	500	200	1000	400			
VLEP	BETWEEN			980	400			
WEL	GBR	999	400	1250	500			
TLV-ACGIH		492	200	983	400			
Predicted no-effect concentre	ration - PNEC							
Reference value in fresh wa	ter			140.9	mg	/I		
Reference value in seawate				140.9	mg	/I		
Reference value for sedime				552	-	/kg		
Reference value for sedime				552	-	/kg		
Reference value for the terre	•			28	mg	/kg		
Health - Derived No-Eff	fect Level - DNEL / Effects on consumers	DMEL			Effects on workers			
Exposure Route	Acute locals	Acute systemic	Chronic premises	Chronic systemic	Acute locals	Acute systemic	Chronic premises	Chronic systemic
Oral			premises	26 mg/kg/d		Systemic	prennises	Systemic
Inhalation				89 mg/kg				500 mg/m3
Dermal				319 mg/kg/d				888 mg/kg/

Legend:

(C) = CEILING ; INALAB = Inhalable Fraction ; RESPIR = Respirable Fraction ; TORAC = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available; NEA = no exposure expected; NPI = no hazard identified.

8.2. Exposure controls

	MARBEC SRL	Revision No. 6
		Revision date 01/02/2022
ľ	YCH0002 - SPEED 90	Printed on 01/02/2022
		Page No. 7/ 17
		Replaces revision: 5 (Revision date:
L		10/22/2020)

Considering that the use of appropriate technical measures should always take priority over personal protective equipment, ensure good ventilation in the workplace through effective local exhaust ventilation.

When choosing personal protective equipment, ask your chemical suppliers for advice.

Personal protective equipment must bear the CE marking, which certifies its compliance with current regulations.

Provide emergency shower with eye basin.

HAND PROTECTION

Protect your hands with category III work gloves (ref. standard EN 374).

When making the final choice of work glove material, the following factors must be considered: compatibility, degradation, break-through time and permeation.

When handling preparations, the resistance of work gloves to chemicals must be checked before use, as it is unpredictable. Gloves have a wear life that depends on the duration and manner of use.

SKIN PROTECTION

Wear long-sleeved work clothes and Category II professional safety footwear (ref. Regulation 2016/425 and standard EN ISO 20344). Wash with soap and water after removing protective clothing.

EYE PROTECTION

It is recommended to wear airtight protective glasses (ref. standard EN 166).

If there is a risk of being exposed to splashes or sprays in relation to the work carried out, adequate protection of the mucous membranes (mouth, nose, eyes) must be provided in order to avoid accidental absorption.

RESPIRATORY PROTECTION

If the threshold value (e.g., TLV-TWA) of the substance or one or more of the substances present in the product is exceeded, it is recommended to wear a mask with a type A filter, the class of which (1, 2, or 3) must be chosen in relation to the limit concentration of use. (Ref. standard EN 14387). If gases or vapors of a different nature and/or gases or vapors with particles (aerosols, fumes, mists, etc.) are present, combined type filters must be used. The use of respiratory protection is necessary if the technical measures adopted are not sufficient to limit worker exposure to the threshold values considered. The protection offered by masks is, however, limited.

If the substance in question is odorless or its olfactory threshold is higher than the relevant TLV-TWA, and in an emergency, wear an open-circuit compressed air breathing apparatus (ref. standard EN 137) or a fresh air-supplied respirator (ref. standard EN 138). For the correct choice of respiratory protective device, refer to standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from manufacturing processes, including those from ventilation equipment, should be monitored to comply with environmental protection legislation.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical State	liquid	
Color	colorless to slightly amber	
Odor	characteristic	
Melting or freezing point	Not available	
Initial boiling point	Not available	
Flammability	incombustible	
Lower explosive limit	Not applicable	
Upper explosive limit	Not applicable	
Flash point	>90°C	
Autoignition temperature	Not applicable	
Decomposition temperature	>200 °C	

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022 Page No. 8/ 17

Replaces revision: 5 (Revision date: 10/22/2020)

рН	3
Kinematic viscosity	Not available
Solubility	soluble in water
Partition coefficient: n-octanol/water	Not available
Vapor pressure	Not available
Density and/or Relative Density	1.155 kg/l
Relative vapor density	Not available
Particle characteristics	Not applicable

9.2. Other information

9.2.1. Information relating to physical hazard classes

Flammable liquids

Maintaining combustion	does not maintain combustion
9.2.2. Other security features	
VOC (Directive 2010/75/EU)	3.31% - 34.60 g/liter
Explosive properties	non-explosive
Oxidizing properties	non-oxidizing

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.

AMMONIUM BIFLUORIDE

It decomposes at temperatures above 230°C/446°F.

10.2. Chemical stability

The product is stable under normal conditions of use and storage.

10.3. Possibility of hazardous reactions

Vapors may form explosive mixtures with air.

AMMONIUM BIFLUORIDE

Risk of explosion on contact with: chlorine trifluoride, bromine trifluoride. May react dangerously with: acids.

10.4. Conditions to avoid

Avoid overheating.

10.5. Incompatible materials

Information not available

YCH0002 - SPEED 90

Revision No. 6 Revision date 01/02/2022

Printed on 01/02/2022

Page No. 9/ 17

Replaces revision: 5 (Revision date: 10/22/2020)

10.6. Hazardous decomposition products

Thermal decomposition or fire may release gases and vapours that are potentially harmful to health.

AMMONIUM BIFLUORIDE

May produce: fluorine, hydrogen fluoride, ammonia, nitrogen gas.

SECTION 11. Toxicological information

11.1. Information on hazard classes defined in Regulation (EC) No. 1272/2008

Metabolism, kinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Immediate, delayed and chronic effects resulting from short and long-term exposures

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture: ATE (Oral) of the mixture: ATE (Cutaneous) of the mixture:

Phosphoric Acid 75% LD50 (Oral):

AMMONIUM BIFLUORIDE LD50 (Oral):

2-PROPANOL

Not classified (no relevant components) 1000.00 mg/kg Not classified (no relevant components)

> 300 mg/kg rat

130 mg/kg Rat

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022

Page No. 10/ 17 Replaces revision: 5 (Revision date: 10/22/2020)

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation of vapours): 12800 mg/kg Rat 4710 mg/kg Rat 72.6 mg/l/4h Rat

SKIN CORROSION / SKIN IRRITATION

Corrosive to the skin

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

	MARBEC SRL	Revision No. 6
		Revision date 01/02/2022
	YCH0002 - SPEED 90	Printed on 01/02/2022
		Page No. 11/ 17
I		Replaces revision: 5 (Revision date: 10/22/2020)

Adverse effects on sexual function and fertility

Information not available

Adverse effects on the development of offspring

Information not available

Effects on or through breastfeeding

Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Exposure route

Information not available

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Exposure route

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022 Page No. 12/ 17

Replaces revision: 5 (Revision date: 10/22/2020)

Information not available

DANGER IN CASE OF ASPIRATION

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with effects on human health under evaluation.

SECTION 12. Ecological information

12.1. Toxicity

2-PROPANOL	
LC50 - Fish	> 100 mg/l/96h leuciscus idus melanotus, static
EC50 - Crustaceans	> 100 mg/l/48h Daphnia magna Static test
EC50 - Algae / Aquatic Plants	> 100 mg/l/72h scenedesmus subspicatus. Static test
Phosphoric Acid 75%	
LC50 - Fish	> 1.3 mg/l/96h Lepomis macrochirus
EC50 - Crustaceans	> 100 mg/l/48h Daphnia magna
EC50 - Algae / Aquatic Plants	> 100 mg/l/72h alga
12.2. Persistence and degradability	
AMMONIUM BIFLUORIDE	
Solubility in water	> 10000 mg/l
Degradability: data not available	
2-PROPANOL	
Rapidly degradable	
Phosphoric Acid 75%	
Degradability: data not available	
12.3. Bioaccumulative potential	
AMMONIUM BIFLUORIDE	
BCF	0.5
2-PROPANOL	

MARBEC SRL	Revision No. 6
	Revision date 01/02/2022
YCH0002 - SPEED 90	Printed on 01/02/2022
	Page No. 13/ 17

Page No. 13/ 17 Replaces revision: 5 (Revision date: 10/22/2020)

Partition coefficient: n-octanol/water

0.05

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

Based on available data, the product does not contain PBT or vPvB substances in percentages $\geq 0.1\%$.

12.6. Endocrine-disrupting properties

Based on available data, the product does not contain any substances listed in the main European lists of potential or suspected endocrine disruptors with effects on the environment under evaluation.

12.7. Other adverse effects

Information not available

SECTION 13. Disposal Considerations

13.1. Waste treatment methods

Reuse if possible. Product residues are considered hazardous waste. The hazardous nature of waste containing part of this product must be assessed in accordance with current legislation. Disposal must be entrusted to an authorized waste management company, in compliance with national and, where applicable, local legislation.

The transport of waste may be subject to ADR.

CONTAMINATED PACKAGING

Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14. Transport Information

Class: 8

14.1. UN number or ID number

ADR / RID, IMDG, 3264 IATA:

14.2. UN official shipping name

ADR / RID:	CORROSIVE INORGANIC LIQUID, ACIDIC, NOS (PHOSPHORIC ACID; AMMONIUM BIFLUORIDE)
IMDG:	CORROSIVE LIQUID, ACIDIC, INORGANIC, NOS (PHOSPHORIC ACID; AMMONIUM BIFLUORIDE)
IATA:	CORROSIVE LIQUID, ACIDIC, INORGANIC, NOS (PHOSPHORIC ACID; AMMONIUM BIFLUORIDE)

14.3. Transport hazard classes

Label: 8



		MARBEC SRL			Revision No. 6 Revision date 01/02/2022
		YCH0002 - SPEED 90			Printed on 01/02/2022
					Page No. 14/ 17
					Replaces revision: 5 (Revision date: 10/22/2020)
IMDG:	Class: 8	Label: 8	1. Market and the second secon		
IATA:	Class: 8	Label: 8			
4.4. Packing group			~		
ADR / RID, IMDG, IATA:	Ш				
4.5. Environmental h	nazards				
ADR / RID:	NO				
IMDG:	NO				
IATA:	NO				
4.6. Special precauti	ons for users				
ADR / RID:		HIN - Kemler: 80		Limited Quantities: 5 I	Tunnel restriction code: (E)
		Special provision: -		-	
IMDG:		EMS: FA, SB		Limited Quantities: 5 L	
IATA:		Cargo:		L Maximum quantity: 60 L	Packaging Instructions: 856
		Pass.:		Maximum quantity: 5 L	Packaging Instructions: 852
		Special provision:		A3, A803	

Irrelevant information

SECTION 15. Regulatory Information

15.1. Legislative and regulatory provisions on health, safety and environment specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: None

Restrictions relating to the product or the substances contained in it according to Annex XVII of Regulation (EC) 1907/2006

Product Point

Substances contained

Point

75

3 - 40

	MAR	BEC SRL	Revision No. 6 Revision date 01/02/2022
			Printed on 01/02/2022
	YCHUUU	2 - SPEED 90	Page No. 15/ 17
			Replaces revision: 5 (Revision date: 10/22/2020)
Point	65	AMMONIUM BIFLUORIDE REACH Reg.: 01- 2119489180-38-xxxx	
Regulation (EU) 2019/1148 - or	n the marketing and use of	of explosives precursors	
Not applicable			
Substances in Candidate List (/	Art. 59 REACH)		
Based on available data, the pr	oduct does not contain S	VHC substances in a percentage ≥ 0.1%.	
Substances subject to authorisa	ation (Annex XIV REACH	<u>D</u>	
None			
Substances subject to export n	otification requirements R	Regulation (EU) 649/2012:	
None			
Substances subject to the Rotte	erdam Convention:		
None			
Substances subject to the Stockholm Convention:			
None			
Health Checks			

Workers exposed to this hazardous chemical agent must undergo health surveillance in accordance with the provisions of Article 41 of Legislative Decree 81 of 9 April 2008, unless the risk to the worker's health and safety has been deemed insignificant, as provided for in Article 224, paragraph 2.

15.2. Chemical safety assessment

A chemical safety assessment has been carried out for the following substances contained in the mixture. Phosphoric Acid, 2-Propanol, Ammonium Bifluoride.

SECTION 16. Other information

Text of the hazard statements (H) cited in sections 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Acute Tox. 4 Skin Corr. 1B Eye Dam. 1	Acute toxicity, category 3 Acute toxicity, category 4 Skin corrosion, category 1B Serious eye damage, category 1

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022

Page No. 16/ 17 Replaces revision: 5 (Revision date: 10/22/2020

STOT SE 3	Specific target organ toxicity - single exposure, category 3		
H225	Highly flammable liquid and vapor.		
H290	May be corrosive to metals.		
H301	Toxic if swallowed.		
H302	Harmful if swallowed.		
H314	Causes severe skin burns and serious eye damage.		
H318	Causes serious eye damage.		
H319	Causes serious eye irritation.		
H336	May cause drowsiness or dizziness.		
 ADR: European Agreement concerning the Carriage of Dangerous Goods by Road CAS: Chemical Abstract Service Number CE: Identification number in ESIS (European Archive of Existing Substances) CLP: Regulation (EC) 1272/2008 DNEL: Derived No Effect Level EC50: Concentration that produces an effect in 50% of the test population Ems: Emergency Schedule GHS: Globally Harmonized System of Classification and Labeling of Chemicals IATA DGR: International Air Transport Association Dangerous Goods Regulations IC50: Immobilization concentration of 50% of the test population IMDG: International Maritime Dangerous Goods Code IMO: International Maritime Organization 			
 INDEX: Identification number in Annex VI of CLP LC50: Lethal Concentration 50% LD50: Lethal dose 50% 			
	-		

OEL: Occupational Exposure Level

- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predicted Environmental Concentration
- PEL: Predicted Exposure Level
- PNEC: Predicted No Effect Concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulations for the International Carriage of Dangerous Goods by Rail
- STA: Acute Toxicity Estimation
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that must not be exceeded during any time of occupational exposure.
- TWA: Time Weighted Average Exposure Limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic compound
- vPvB: Very Persistent and Very Bioaccumulative according to REACH
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

- 1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH)
- 2. Regulation (EC) 1272/2008 of the European Parliament and of the Council (CLP)
- 3. Regulation (EU) 2020/878 (Annex II of the REACH Regulation)
- 4. Regulation (EC) 790/2009 of the European Parliament and of the Council (I Atp. CLP)
- 5. Regulation (EU) 286/2011 of the European Parliament and of the Council (II Atp. CLP)
- 6. Regulation (EU) 618/2012 of the European Parliament and of the Council (III Atp. CLP)
- 7. Regulation (EU) 487/2013 of the European Parliament and of the Council (IV Atp. CLP)
- 8. Regulation (EU) 944/2013 of the European Parliament and of the Council (V Atp. CLP)
- 9. Regulation (EU) 605/2014 of the European Parliament and of the Council (VI Atp. CLP)
- 10. Regulation (EU) 2015/1221 of the European Parliament and of the Council (VII Atp. CLP)
- 11. Regulation (EU) 2016/918 of the European Parliament and of the Council (VIII Atp. CLP)
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP) 16. Delegated Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148

YCH0002 - SPEED 90

Revision No. 6

Revision date 01/02/2022

Printed on 01/02/2022 Page No. 17/ 17

Replaces revision: 5 (Revision date: 10/22/2020)

- 18. Delegated Regulation (EU) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (EU) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (EU) 2021/849 (XVII Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- NI Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS Website
- ECHA Agency Website
- Database of SDS templates for chemical substances Ministry of Health and Istituto Superiore di Sanità

Note to user:

The information contained in this sheet is based on our current knowledge as of the date of the latest version. The user must ensure the suitability and completeness of the information for the specific use of the product.

This document should not be construed as a guarantee of any specific property of the product.

Since the use of the product is not under our direct control, it is the user's responsibility to comply with all applicable health and safety laws and regulations. We assume no liability for improper use.

Provide adequate training to personnel involved in the use of chemicals.

CLASSIFICATION CALCULATION METHODS

Chemical-physical hazards: The classification of the product was derived from the criteria established by the CLP Regulation Annex I Part 2. The methods for evaluating the chemical-physical properties are reported in section 9.

Health hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 3, unless otherwise indicated in section 11. Environmental hazards: The classification of the product is based on the calculation methods in Annex I of CLP Part 4, unless otherwise indicated in section 12.

Changes from the previous revision Changes have been made to the following sections:

01 / 02 / 03 / 09 / 11 / 12 / 15 / 16.