

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 Product identifier

Product name

HisTrap[™] FF crude, 1 ml, 5 x 1 ml

Catalogue Number

UFI

Product type

11000458 VN80-403M-E006-T6E5 Product description Not available. Liquid.

Not available.

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

Identified uses

Laboratory chemicals Liquid chromatography. Scientific research and development

Other means of identification

1.3 Details of the supplier of the safety data sheet

Supplier

Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 0800 515 313

Hours of operation 08.30 - 17.00

Person who prepared the SDS : sds author@cytiva.com

1.4 Emergency telephone number +49 (0)761 4543 0

Europe

Cytiva Germany/Europe Munzinger Str. 5 79111 Freiburg Germany t: +49 (0)761 4543 0

National advisory body/Poison Centre

Europe

http://www.eapcct.org -> Go to: Links

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition Mixture

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

Flam. Liq. 3, H226

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

Ingredients of unknown toxicity 16.5 percent of the mixture consists of component(s) of unknown acute dermal toxicity

Ingredients of unknown Not applicable. ecotoxicity

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

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2.2 Label elements

Hazard pictograms

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Signal word	Warning
Hazard statements	Flammable liquid and vapour.
Precautionary statements	
General	Not applicable.
Prevention	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Response	Not applicable.
Storage	Not applicable.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Supplemental label elements	Contains nickel. 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 requirements	
Containers to be fitted with child-resistant fastenings	Not applicable.
Tactile warning of danger	Not applicable.

2.3 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 None known. result in classification

SECTION 3: Composition/information on ingredients

3.2 Mixtures	Mixture			
Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Туре
€thanol	REACH #: 01-2119457610-43 EC: 200-578-6 CAS: 64-17-5 Index: 603-002-00-5	14 - 19	Flam. Liq. 2, H225 -	[1]
nickel	REACH #: 01-2119438727-29 EC: 231-111-4 CAS: 7440-02-0 Index: 028-002-00-7	0.12	Skin Sens. 1, H317 - Carc. 2, H351 STOT RE 1, H372	[1]
			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.

<u>Type</u>

[7] Substance classified with a physical, health or environmental hazard

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel.
Protection of first-aiders	\overline{N} o action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

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

4.3 Indication of any immediate 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 dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture	Flammable liquid and vapour. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.	
Hazardous combustion products	Decomposition products may include the following materials: carbon dioxide carbon monoxide	
5.3 Advice for firefighters		
Special precautions 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.	
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, protective equipment and emergency procedures

For non-emergency personnel	ency personnel Ro action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not tou walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in haza area. 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).		
6.2 Methods and metavial for containment and cleaning up			

6.3 Methods and material for containment and cleaning up

Small spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-		
	proof equipment. 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.		



HisTrap™ FF crude, 1 ml, 5 x 1 ml	11000458
Large spill	Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion- proof equipment. 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. 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 vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. 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 between the following temperatures: 4 to 30°C (39.2 to 86°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Seveso Directive - Reporting thresholds (in tonnes)

Danger criteria			
Category		Notification and MAPP threshold	Safety report threshold
P5c		5000	50000
7.3 Specific end use(s)			
Recommendations	Laboratory chemicals. Liquid chromatography. Scientific research and development.		
Industrial sector specific solutions	Not available.		

SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario (s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - Guide 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

Article Number 11000458



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Product/ingredient name	Туре	Exposure	Value	Population	Effects
ethanol	DNEL	Long term Oral	87 mg/kg bw/ day	General population	Systemic
	DNEL	Long term Inhalation	114 mg/m ³	General population	Systemic
	DNEL	Long term Dermal	206 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	343 mg/kg bw/day	Workers	Systemic
	DNEL	Short term Inhalation	950 mg/m ³	General population	Local
	DNEL	Long term Inhalation	950 mg/m ³	Workers	Systemic
	DNEL	Short term Inhalation	1900 mg/m ³	Workers	Local
nickel	DNEL	Long term Oral	0.011 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	0.8 mg/m ³	General population	Local
	DNEL	Long term Inhalation	60 ng/m ³	General population	Local
	DNEL	Long term Inhalation	60 ng/m ³	General population	Systemic
	DNEL	Long term Dermal	0.035 mg/ cm ²	General population	Local
	DNEL	Long term Dermal	0.035 mg/ cm²	Workers	Local
	DNEL	Long term Inhalation	0.05 mg/m ³	Workers	Local
	DNEL	Long term Inhalation	0.05 mg/m ³	Workers	Systemic
	DNEL	Short term Oral	0.37 mg/kg bw/day	General population	Systemic
	DNEL	Short term Inhalation	11.9 mg/m ³	Workers	Local

PNECs

No PECs available.

8.2 Exposure controls

Appropriate engineering controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Individual protection measures	
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: safety glasses with side-shields. Recommended: safety glasses with side-shields
Skin protection	
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. 1 - 4 hours (breakthrough time): butyl rubber, neoprene
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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves. Refer to European Standard EN 1149 for further information on material and design requirements and test methods. Recommended: lab coat
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.



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SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

<u>Appearance</u>					
Physical state	Liquid.				
Colour	Blue. Green.				
Odour	Alcohol-like. [Sli	ght]			
Odour threshold	180 ppm				
рН	6.5 to 8.5 [Conc.	(% w/w): 1009	%]		
Melting point/freezing point	Not available.				
Initial boiling point and boiling range	Not available.				
Flammability (solid, gas)	Not available.				
Upper/lower flammability or explosive limits	Not available.				
Flash point	Closed cup: 38 t	o 43°C			
Auto-ignition temperature	Not available.				
Ingredient name ethanol			° C 455	Method DIN 51794	
Ginanor			400	Dirtorror	
Decomposition temperature	Not available.				
Viscosity	Not available.				
Solubility(ies) Media		Result			
		Easily soluble			
hot water		Easily soluble			
Solubility in water	Not available.				
Miscible with water	Yes.				
Partition coefficient: n-octanol/ water	Not applicable.				
Vapour pressure	Not available.				
		Vapour Press	ure at 20°C	Vapour press	ure at 50°C
Ingredient name	mm Hg	kPa	Method	mm Hg kPa	Method
ethanol	42.95	5.7			
water	23.8	3.2			
Agarose	0	0			
Evaporation rate	Not available.				
Relative density	Not available.				
Vapour density	Not available.				
Explosive properties	Not available.				
Oxidising properties	Not available.				
Particle characteristics					
Median particle size	Not applicable.				
9.2 Other information					
Burning time	Not applicable.				
Burning rate	Not applicable.				
Solubility in water	Not available.				



SECTION 10: Stability and reactivity

10.1 Reactivity 10.2 Chemical stability 10.3 Possibility of hazardous reactions	No specific test data related to reactivity available for this product or its ingredients. The product is stable. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	Reactive or incompatible with the following materials: oxidising materials
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
ethanol	LC50 Inhalation Vapour	Rat	124700 mg/m³	4 hours

Conclusion/Summary Not available.

Acute toxicity estimates

Product/ingr	edient name	Oral (mg/ kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/ I)
ethanol		7000	N/A	N/A	124.7	N/A
Irritation/Corrosion						.
Conclusion/Summary	Not available.					
Sensitisation						
Conclusion/Summary	Not available.					
Mutagenicity						
Conclusion/Summary	Not available.					
Carcinogenicity						
Conclusion/Summary	Not available.					
Reproductive toxicity						
Conclusion/Summary	Not available.					

Conclusion/Summary Not available.

Specific target organ toxicity (single exposure)

Not available.

Teratogenicity

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Category	Route of exposure	Target organs
nickel	Category 1	-	-

Aspiration hazard

Not available.

Information on likely routes of Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes. exposure

Potential acute health effects

Inhalation	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Eye contact	No known significant effects or critical hazards.
Symptoms related to the physic	al, chemical and toxicological characteristics
Inhalation	No specific data.

No specific data.



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Ingestion	No specific data.	
Skin contact	No specific data.	
Eye contact	No specific data.	
Delayed and immediate effects a	as well as chronic effects from short and long-term exposure	
Short term exposure		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
Long term exposure		
Potential immediate effects	Not available.	
Potential delayed effects	Not available.	
Potential chronic health effects		
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.	
1.2 Information on other hazards		
11.2.1 Endocrine disrupting pro	perties	
Not available.		
11.2.2 Other information		
Not available.		

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
ethanol	Acute EC50 3306 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Acute EC50 1074 mg/l Fresh water	Crustaceans - Cypris subglobosa	48 hours
	Acute EC50 9.3 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 11000000 µg/l Marine water	Fish - Alburnus alburnus	96 hours
	Chronic NOEC 4.995 mg/l Marine water	Algae - Ulva pertusa	96 hours
	Chronic NOEC 100 ul/L Fresh water	Daphnia - Daphnia magna - Neonate	21 days
nickel	Acute EC50 2 ppm Marine water	Algae - Macrocystis pyrifera - Young	4 days
	Acute EC50 450 µg/l Fresh water	Aquatic plants - Lemna minor	4 days
	Acute EC50 1000 µg/l Marine water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 34.6 µg/l Fresh water	Crustaceans - <i>Ceriodaphnia dubia</i> - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
	Acute LC50 1.3 ppm Fresh water	Fish - Cyprinus carpio - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 100 mg/l Marine water	Algae - Glenodinium halli	72 hours

Conclusion/Summary

Not available.

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ethanol	-	100 % - Readily - 20 days	-	-
0	N1.4		•	

Conclusion/Summary Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
ethanol	-	-	Readily

12.3 Bioaccumulative potential



12.4 Mobility in soil

Soil/water partition coefficient (Koc) Not available.

Mobility	lot available.
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12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Not available.

12.7 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

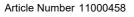
<u>Product</u>	
Methods of disposal	The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority 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	Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.
European waste catalogue (F	

European waste catalogue (EWC)

Waste code	Waste designation			
07 07 99	wastes not otherwise specified			
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			
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. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.			

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
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.





HisTrap™ FF crude, 1 ml, 5 x 1 ml

HisTrap™ FF crude, 1 r	nl, 5 x 1 ml					11000458
Additional information	-		-		-	<u>Remarks</u> IATA Special Provision A 58 - Aqueous solutions containing 24% or less alcohol by volume is not subject to these regulations.
14.6 Special precautio for user						iners that are upright and secure. event of an accident or spillage.
14.7 Transport in bulk according to IMO instruments	Not a	vailable.				
SECTION 15: Re	aulatory	information				
15.1 Safety, health a	•		ione/logiclat	ion chocifi	o for the substar	aco or mixturo
EU Regulation (EC)		-	ions/legisla	ion specine		
Annex XIV - List of su			sation			
None of the compon	ents are liste	ed.				
Substances of very						
None of the compon	-					
	ions on the	manufacture, pla	acing on the n	narket and u	<u>se of certain dang</u>	gerous substances, mixtures and
articles Product/ingredient	namo		%	Designatio	on [Usage]	
Media in 20% Et <1% Ni) (4-30 C	OH (Ni Se			3	[000g0]	
Labelling		Not applicable.				
Other EU regulations	<u>i</u>					
Industrial emission (integrated pollutio prevention and con	n	Not listed				
Industrial emission (integrated pollutio prevention and con Water	n	Not listed				
Ozone depleting subs	stances (100	<u>)5/2009/EU)</u>				
Prior Informed Conse Not listed.	<u>nt (PIC) (64</u>	<u>9/2012/EU)</u>				
Persistent Organic Po Not listed.	<u>ollutants</u>					
Seveso Directive						
his product is controlled	d under the S	Seveso Directive.				
<u>Danger criteria</u>						
Category P5c						
nternational regulation Chemical Weapon Co Not listed.		<u>st Schedules I, II</u>	& III Chemica	ls		
<u>Montreal Protocol</u> Not listed.						
Stockholm Conventio	<u>n on Persis</u>	tent Organic Pol	lutants			
Rotterdam Conventio	<u>n on Prior lı</u>	nformed Consen	<u>t (PIC)</u>			
UNECE Aarhus Proto	col on POPs	s and Heavy Meta	als			
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Not listed.

Inventory list	
United States	Not determined.
Canada inventory	All components are listed or exempted.
China	All components are listed or exempted.
Japan	Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
15.2 Chemical safety assessment	This product contains substances for which Chemical Safety Assessments are still required.

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	
	N/A = Not available	
	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
Flam. Liq. 3, H226	On basis of test data

Full text of abbreviated H statements	H225 H226 H317 H351 H372	Highly flammable liquid a Flammable liquid a May cause an aller Suspected of causi Causes damage to	nd vapour. gic skin reaction.
Full text of classifications [CLP/ GHS]	Carc. 2 Flam. Liq. Flam. Liq. Skin Sens STOT RE	3 . 1	CARCINOGENICITY - Category 2 FLAMMABLE LIQUIDS - Category 2 FLAMMABLE LIQUIDS - Category 3 SKIN SENSITISATION - Category 1 SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 1
Date of printing	29 Septen	nber 2023	
Date of issue/ Date of revision	29 Septen	nber 2023	
Date of previous issue	24 May 20	22	
Version	8		
N <i>A</i> N			

Notice to reader

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.

