



## SAFETY DATA SHEET

# Nautilus Fast Epoxy Light Filler A

Issued on 20/02/2023 - Rev. no. 1 of 20/02/2023

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Compliant with Regulation (EU) 2020/878

Batch n° 2329013

## SECTION 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name: Nautilus Fast Epoxy Light Filler A

Trade code: 0201

UFI: GT70-007D-3002-VPHQ

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

Epoxy filler

Fields of use:

Consumer use[SU21], Professional use[SU22]

Process categories:

Hand-mixing with direct contact, only using personal protective equipment (PPE)[PROC19]

Uses advised against Do

not use for other than indicated uses

### 1.3. Details of the supplier of the safety data sheet

Cecchi Gustavo s.r.l.

via M. Coppino 253

55049 Viareggio (LU)

P.IVA/ CF 00197850464

SDI T04ZHR3

Telephone 0584383694

Email info@cecchi.it

### 1.4. Emergency telephone number

Poison Centre, Azienda ospedaliera Papa Giovanni XXIII, clinical toxicology, Department of clinical pharmacy and pharmacology, piazza OMS 1, Bergamo - Tel. 800883300

Poison Centre, Azienda ospedaliera universitaria Careggi, U.O. Tossicologia medica, via Largo Brambilla 3, Firenze - Tel. 0557947819 Poison

Centre, Azienda ospedaliera universitaria riuniti, viale Luigi Pinto 1, Foggia - Tel. 0881732326

Poison Centre, Azienda ospedaliera Niguarda Ca' Grande, piazza Ospedale Maggiore 3, Milano - Tel. 02661029

Poison Control

Centre, Azienda Ospedaliera Antonio Cardarelli, III Servizio di Anestesia e Rianimazione, via Antonio Cardarelli 9, Napoli - Tel. 0817472870 Poison Control

Centre, Centro nazionale d'informazione tossicologica, IRCCS Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione, via Salvatore Maugeri 10, Pavia - Tel. 038224444 Poison

Centre, Bambino Gesù Paediatric Hospital, Emergency and Acceptance Department DEA, piazza Sant'Onofrio 4, Rome - Tel. 0668593726

Poison Centre, Policlinico Agostino Gemelli. Service of clinical toxicology, largo Agostino Gemelli 8, Rome - Tel. 063054343

Poison Centre Policlinico Umberto I, PRGM emergency toxicology, viale del Policlinico 155, Rome - Tel. 0649978000

Poison Centre of the Azienda ospedaliera universitaria integrata (AOUI) di Verona sede di Borgo Trento, piazzale Aristide Stefani, 1 - 37126 Verona - Tel. 800011858

## SECTION 2. Identification of hazards



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## 2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:  
GHS05, GHS07, GHS09

Hazard class and hazard category codes:  
Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1, Aquatic Chronic 2

Hazard statement codes:  
H315 - Causes skin irritation  
H317 - May cause allergic skin reaction  
H318 - Causes serious eye damage  
H411 - Toxic to aquatic life with long lasting effects.

The product, if brought into contact with skin, causes severe inflammation with erythema, scabs or oedema.  
The product, if brought into contact with skin, may cause skin sensitisation. The product, if brought into contact with the eyes, causes serious eye damage, such as opacification of the cornea or injury to the iris.  
The product is dangerous to the environment as it is toxic to aquatic organisms with long-lasting effects

## 2.2. Label Elements

Labelling in accordance with Regulation (EC) No 1272/2008:

Pictograms, warning codes:  
GHS05, GHS07, GHS09 - Danger



Hazard statement codes:  
H315 - Causes skin irritation  
H317 - May cause allergic skin reaction  
H318 - Causes serious eye damage  
H411 - Toxic to aquatic life with long lasting effects.

Additional hazard statement codes  
EUH205 - Contains epoxy components. May cause allergic reaction.

Precautionary statements:  
Prevention  
P261 - Avoid breathing fumes/mist/vapours/aerosols.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
Reaction  
P305+P351+P338 - IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTRE or doctor/physician.  
P362+P364 - Remove all contaminated clothing and wash before reuse.

Contains:  
1,4-bis-(2,3-epoxypropoxy)-butane, reaction product between  
bisphenol-A-epichlorohydrin and epoxy resins (average molecular weight < 700),  
Bisphenol F-(epichlorohydrin) epoxy resin

VOC content ready-to-use product: 0.00 %.

UFI: GT70-007D-3002-VPHQ



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### 2.3. Other hazards

Based on available data, there are no PBT or vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

Based on available data, there are no endocrine disruptors according to Regulation (EU) 2017/2100

No information on other hazards

## SECTION 3. Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Refer to item 16 for the full text of the hazard statements

Substance	Concentration[w/w]	Classification	Index	CAS	EINECS	REACH
reaction product between bisphenol-A-epichlorohydrin and epoxy resins (average molecular weight < 700)	>= 25 < 50%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Aquatic Chronic 2, H411 Acute toxicity M factor = 1 Chronic toxicity M factor = 1	603-074-00-8	25068-38-6	500-033-5	1-2119456 619-26-000 3
1,4-bis-(2,3-epoxypropoxy)-butane	>= 10 < 25%	Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Acute Tox. 4, H332	603-072-00-7	2425-79-8	219-371-7	01-211949 4060-45
Bisphenol F-(epichlorohydrin) epoxy resin	>= 10 < 25%	Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319; Aquatic Chronic 2, H411 Acute toxicity M factor = 1 Chronic toxicity M factor = 1	ND	28064-14-4	ND	ND

## SECTION 4. First Aid Measures

### 4.1. Description of first aid measures

- General information: Remove contaminated clothing immediately.
- Inhalation:



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Take the subject to a well-ventilated area and consult a doctor for safety.  
If the subject is unconscious, keep him in a stable position on his side during transport.

- Skin contact: Wash off immediately with water. - After

eye contact: Rinse

opened eye for several minutes under running water and seek medical advice.

-Ingestion: If pain persists consult doctor

## 4.2. Main symptoms and effects, both acute and delayed

No data available.

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

No other information is available.

## SECTION 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media:

Water fog, CO<sub>2</sub>, foam, chemical powders depending on the materials involved in the fire.

Extinguishing media to avoid:

Water jets.

Use water jets only to cool container surfaces exposed to fire.

### 5.2. Special hazards arising from the substance or mixture

No data available.

### 5.3. Recommendations for firefighters

Use respiratory protection.

Safety helmet and full protective clothing.

Water spray can be used to protect persons engaged in extinguishing. It is

also advisable to use self-contained breathing apparatus, especially if working in closed, poorly ventilated areas and in any case if using halogenated extinguishing agents (fluobrene, solkane 123, naf etc.).

Cool containers with water jets

## SECTION 6. Accidental Release Measures

### 6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non direct responders:

Move away from the area surrounding the spill or release. Do not smoke.

Wear protective equipment. Keep unprotected persons away.

6.1.2 For direct responders:

Wear mask, gloves and protective clothing.

Eliminate all open flames and possible sources of ignition. Do not smoke.



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Provide adequate ventilation.  
Evacuate the danger  
area and, if necessary, consult an expert.

## 6.2. Environmental Precautions

Contain leaks with earth or sand.  
If the product has run into a water course, sewage system or has contaminated soil or vegetation, notify the relevant authorities.  
Dispose of the residue in accordance with current regulations.

## Methods and Materials for Containment and Remediation

6.3.1 For containment Collect  
the product quickly while wearing a mask and protective clothing.  
Collect the product for re-use, if possible, or for disposal. Absorb with inert material if possible.  
Prevent it from entering the sewage system.

6.3.2 For cleaning  
After collection, wash the area and materials concerned  
with water.

6.3.3 Further information  
Collect the liquid with absorbent material (sand, tripoli, acid binder, universal binder,  
sawdust).  
Use neutralisation media.  
Dispose of contaminated material according to item 13.  
Ensure sufficient ventilation.

## 6.4. Reference to other sections

Please refer to points 7, 8 and 13 for further information

## SECTION 7. Handling and Storage

### 7.1. Precautions for safe handling

Careful ventilation/exhaustion in the workplace.  
Avoid aerosol formation.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original container. Do not store in open or unlabelled containers.  
Keep containers upright and secure against the possibility of dropping or knocking.  
Store in a cool place, away from any source of heat and direct sunlight.

### 7.3 Special End Uses

Consumer uses:  
Handle with care.  
Store in a ventilated place and away from heat sources,  
Keep container tightly closed.



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Professional use:  
Handle with care.  
Store in a ventilated place and away from heat sources,  
Keep container tightly closed.

## SECTION 8. Exposure controls/personal protection

### 8.1. Control Parameters

The product does not contain any relevant quantities of substances whose limit values must be kept under control in the workplace.

### 8.2. Exposure controls



Appropriate engineering controls: Keep away from food, drink and feed.  
Remove contaminated clothing immediately.  
Wash hands before breaks or when work is finished.  
Avoid contact with the eyes.  
Avoid contact with the eyes and skin. -  
Breathing apparatus  
:  
In case of brief and minimal exposure use breathing apparatus  
; in case of intensive and longer exposure wear breathing apparatus.  
- Protective gloves:  
Selection of glove material in consideration of penetration times, permeation rates and degradation.  
Protective gloves (EN 374)  
The glove material must be impermeable and stable against the product/substance/formulation. -  
Material of gloves  
The selection of suitable gloves depends not only on the material but also on other quality characteristics that vary from one manufacturer to another. As the product represents a formulation of several substances, the stability of glove materials cannot be calculated in advance and must be tested before use  
- Permeation time of the glove material  
Ask the glove supplier for the precise penetration time, which must be observed.  
- Protective goggles:  
Tightly sealed goggles.

Consumer use:  
No specific control foreseen

Professional use:  
No specific control foreseen

Individual protection measures:

(a) Eye/face protection  
When handling the pure product use safety glasses (caged goggles) (EN 166).

b) Skin protection

i) Hand protection When handling the pure product use chemical resistant protective gloves (EN 374-1/EN374-2/EN374-3)



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ii) Other  
Wear full skin protection  
clothing when handling the pure product.

c) Respiratory protection  
Not required for normal use.

d) Thermal  
hazards No hazards to report

Environmental exposure controls:  
Use according to good working practices, avoiding dispersion of the product in the environment.

## SECTION 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Method of determination
Physical state	Liquid	
Colour	grey	
Smell	Characteristic	
Olfactory threshold	not determined	
Melting point/freezing point	not determined	
Boiling point or initial boiling point and boiling range	> 200 °C	
Flammability	non-flammable	
Lower and upper explosive limit	not applicable	
Flash point	140 °C	ASTM D92
Self-ignition temperature	Non-self-flammable product	
Decomposition temperature	not determined	
pH	not determined	
Kinematic viscosity	168000 to 192000 mPas	
Solubility	little and/or not miscible	
Water solubility	little and/or not miscible	
Partition coefficient n-octanol/water (logarithmic value)	not determined	
Vapour pressure	< 0.1 hPa	
Density and/or relative density	0.663 g/cm <sup>3</sup>	
Relative vapour density	not applicable	
Particle characteristics	not applicable	

### 9.2. Other information

VOC content of ready-to-use product: 0.00 %.



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## 9.2.1 Information on physical hazard classes

### (a) Explosives

(i) sensitivity to shock  
Not relevant

(ii) effect of heating in a contained environment  
Not relevant

(iii) effect of ignition in a contained environment  
Not relevant

(iv) sensitivity to impact  
Not relevant

(v) sensitivity to friction  
Not relevant

(vi) thermal stability  
Not relevant

(vii) packaging Not  
relevant

### (b) flammable gases

(i) Tci/explosivity limits Not  
relevant

(ii) fundamental flame ignition rate  
Not relevant

(c) aerosols  
Not relevant

(d) oxidising  
gases Not  
relevant

(e) gases under pressure  
Not relevant

(f) flammable liquids  
Not relevant

### (g) flammable solids

(i) burning rate or burning time for metal dust  
Not relevant

(ii) indication of exceeding wetted zone  
Not relevant

### (h) self-reactive substances and mixtures

(i) decomposition temperature  
Not relevant

(ii) detonation properties



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Not applicable

(iii) deflagration properties  
Not relevant

(iv) heating effect in a confined  
space  
Not relevant

(v) explosive power, if applicable  
Not relevant

(i) pyrophoric liquids  
Not relevant

(j) pyrophoric solids

(i) indication of whether spontaneous ignition may occur during spillage or within five minutes, for solids in powder form  
Not relevant

(ii) indication of whether pyrophoric properties may change over time  
Not relevant

(k) Self-heating substances and mixtures the following information may be provided

(i) indication of the possibility of spontaneous ignition and maximum temperature rise  
not relevant

(ii) results of screening tests referred to in Section 2.11.4.2 of Annex I to Regulation (EC) No 1272/2008 where relevant and available  
Not relevant

(l) substances and mixtures which emit flammable gases in contact with water the following information may be provided

(i) identity of the gas emitted, if known Not applicable

(ii) indication of possible spontaneous ignition of the emitted gas  
Not relevant

(iii) rate of evolution of the gas  
Not relevant

(m) oxidising liquids Not relevant

(n) oxidising solids Not relevant

(o) organic peroxides

(i) decomposition  
temperature  
Not relevant

(ii) detonation properties Not relevant



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(iii) deflagration properties  
Not relevant

(iv) heating effect in a confined space  
Not relevant

(v) explosive power  
Not relevant

(p) corrosive substances or mixtures for metals the following information  
may be provided

(i) metals corroded by the substance or mixture Not  
relevant

(ii) corrosion rate and whether the reference is to steel or aluminium  
Not relevant

(iii) reference to other sections of the safety data sheet relating to compatible or incompatible materials Not  
relevant

(q) desensitised explosives

(i) desensitising agent used Not  
relevant

(ii) exothermic decomposition energy  
Not relevant

(iii) corrected burning rate (Ac)  
Not relevant

(iv) explosive properties of the desensitised explosive in that state  
Not relevant

## 9.2.2 Other safety features

(a) mechanical sensitivity  
Not relevant

(b) self-accelerating polymerisation temperature  
Not relevant

(c) formation of explosive dust/air mixtures  
Not relevant

(d) acid/alkaline reserve  
Not relevant

(e) evaporation rate  
Not relevant

(f) miscibility Not  
relevant



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(g) conductivity  
Not relevant

(h) corrosivity  
Not relevant

(i) gas group  
Not relevant

(j) oxidation-reduction potential  
Not relevant

(k) potential for radical formation  
Not relevant

(l) photocatalytic properties  
Not relevant

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

No risk of reactivity

### 10.2. Chemical stability

No hazardous reaction if handled and stored according to regulations.

### 10.3. Possibility of dangerous reactions

No dangerous reactions are expected

### 10.4. Conditions to avoid

None to report

### Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

Possible in traces.  
Nitrous gases  
Hydrochloric acid (HCl)  
Carbon monoxide Nitrogen  
oxides (NOx)



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## SECTION 11. Toxicological information

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

ATE(mix) oral =  $\infty$ 

ATE(mix) dermal = 4,400.0 mg/kg

ATE(mix) inhal = 44.0 mg/l/4 h

(a) acute toxicity: Based on available data, the classification criteria are not met

(b) skin corrosion/irritation: If brought into contact with skin, the product causes significant inflammation with erythema, scabs or oedema.

(c) severe eye damage/irritation: The product, if brought into contact with the eyes, causes serious eye damage, such as opacification of the cornea or injury to the iris.

(d) respiratory or skin sensitisation: The product, if brought into contact with skin, may cause skin sensitisation. (

(e) germ cell mutagenicity: based on available data, the classification criteria are not met

(f) carcinogenicity: based on available data, the classification criteria are not met

(g) reproductive

toxicity: based on available data, the classification criteria are not met

(h) specific target organ toxicity (STOT) single exposure based on available data the classification criteria are not met

(i) specific target organ

toxicity (STOT) repeated exposure: based on available data the classification criteria are not met

(j) aspiration hazard: based on available data the classification criteria are not met

Related to contained substances:

1,4-bis-(2,3-epoxy)-butane:

EXPOSURE WAYS: The substance can be absorbed into the body by inhalation of its aerosols.

RISKS BY INHALATION: No indication can be given as

to the rate at which harmful contamination is achieved in the air by evaporation of the substance at 20°C.

EFFECTS OF SHORT TERM EXPOSURE: The substance is irritating to eyes, skin and respiratory tract

. EFFECTS OF REPEATED OR LONG TERM

EXPOSURE: Repeated or prolonged contact may cause skin sensitisation.

ACUTE RISKS/SYMPTOMS

INHALATION Coughing. Sore throat.

CUTE Reddening. Pain.

EYES Reddening. Pain.

### 11.2. Information on other hazards

No data available.

## SECTION 12. Ecological Information

### 12.1. Toxicity

The product is dangerous to the environment as it is toxic to aquatic organisms following acute exposure.

Use according to good working practices, avoiding dispersion of the product in the environment.

Water hazard class 2 (D) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Do not allow undiluted or unneutralised product to enter drains or sewers. Danger to drinking water even if small quantities leak into the ground. Toxic to fish and plankton. toxic to aquatic organisms



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## 12.2. Persistence and degradability

No data available.

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

Based on the available data, there are no PBT or vPvB substances according to Regulation (EC) 1907/2006, Annex XIII

## 12.6 Endocrine-disrupting properties

The substance/mixture does not contain components considered to have endocrine disrupting properties according to Article 57(f) of REACH or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

## 12.7. Other adverse effects

No adverse effects observed

## SECTION 13. Disposal considerations

### 13.1. Waste treatment methods

Disposal must be in accordance with current legislation (Legislative Decree 152/2006 and subsequent amendments) and in compliance with local laws.

The container still containing substance residues must be disposed of under code EER 08.01.11\*, Waste paints and varnishes containing organic solvents or other hazardous substances. The empty uncleaned container must be disposed of under EER code 15.01.10\*, Packaging containing residues of or contaminated by hazardous substances.

The empty container reclaimed from the contained substances must be disposed of under EER code 15.01.04, Metallic packaging.

## SECTION 14. Transport information

### 14.1. UN or ID Number

ADR/RID/IMDG/ICAO-IATA: 3082

Possible ADR exemption if the following characteristics are met:  
Combined packaging: inner packaging 5 L package 30 kg





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Inner packaging placed in shrink-wrapped or stretch-wrapped trays: inner packaging 5 L package 20 kg

## 14.2. UN proper shipping name

ADR/RID/IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product between bisphenol-A-epichlorohydrin and epoxy resins (average molecular weight < 700))

ICAO-IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane)

## 14.3 Transport Hazard Classes

ADR/RID/IMDG/ICAO-IATA: Class :

9 ADR/RID/IMDG/ICAO-IATA: Label : 9 + Environment

ADR: Tunnel restriction code : --

ADR/RID/IMDG/ICAO-IATA: Limited quantity : 5 L

IMDG - EmS : F-A, S-F

## 14.4. Packaging Group

ADR/RID/IMDG/ICAO-IATA: III

## 14.5. Environmental Hazards

ADR/RID/ICAO-IATA: Environmentally hazardous product

IMDG: Marine contaminant : Yes

## 14.6. Special precautions for users

Transport must be carried out by vehicles authorised to transport dangerous goods in accordance with the requirements of the current edition of the A.D.R. Agreement and the applicable national provisions.

Transport must be carried out in the original packaging and, in any case, in packaging that is made of materials that are impervious to the contents and not liable to generate dangerous

reactions with them. The persons in charge of loading and unloading the dangerous goods must have received appropriate training on the risks presented by the preparation and on any procedures to be adopted in the event of an emergency situation.

## 14.7. Maritime transport in bulk according to IMO Acts

Bulk transport is not foreseen

## SECTION 15. Regulatory Information

### 15.1. Safety, health and environmental laws and regulations specific to the substance or mixture

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

National regulation

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Seveso category E2, Dangerous for the aquatic environment.



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Qualifying quantity (in tonnes) for application of the lower threshold requirements 200 t Qualifying quantity (in tonnes) for application of the upper threshold requirements 500 t

D.Lgs. 3/2/1997 n. 52 (Classification, packaging and labelling of dangerous substances), D.Lgs 14/3/2003 n. 65 (Classification, packaging and labelling of dangerous preparations), D.Lgs 81/08 (Consolidation Act on the protection of health and safety in the workplace), D.M. 03/04/2007 (Implementation of Directive no. 2006/8/EC), Regulation (EC) no. 1907/2006 (REACH), Regulation (EC) no. 1272/2008 (CLP), Regulation (EC) no. 790/2009, Legislative Decree 105/2015 (Seveso Ter Directive), Regulation (EU) 2019/1021, Regulation (EU) 2020/878.

Seveso category:

E2 - ENVIRONMENTAL HAZARDS

REGULATION (EU) No 1357/2014 - waste:  
HP4 - Irritant - Skin irritation and eye damage  
HP13 - Sensitising

Substances on Candidate List (art.59 REACH) According to available data, there are no SVHC substances present

## 15.2. Chemical Safety Assessment

The supplier did not carry out a chemical safety assessment

## SECTION 16. Other information

### 16.1. Other information

Description of the hazard statements exposed to point 3

H315 = Causes skin irritation

H317 = May cause allergic skin reaction.

H319 = Causes severe eye irritation.

H411 = Toxic to aquatic life with long-lasting effects.

H312 = Harmful in contact with skin.

H332 = Harmful if inhaled.

Classification and procedure used to derive it according to Regulation (EC)1272/2008 [CLP] for mixtures:

Classification according to Regulation (EC) No 1272/2008

H315 - Causes skin irritation Classification procedure: Calculation method

H317 - May cause allergic skin reaction. Classification procedure: calculation method

H318 - Causes serious eye damage Classification procedure: calculation method

H411 - Toxic to aquatic life with long lasting effects. Classification procedure: Calculation method

Legal reference:

Regulation 1907/2006 EC as amended. Regulation

1272/2008 EC as amended.

Regulation 878/2020 EC

Bibliographic Sources:

SAX 12 Ed Van Nostrand Reinhold

MERCK INDEX 15 Ed

ECHA: European Chemicals Agency (<https://echa.europa.eu/it/information-on-chemicals>)

OSHA: European Agency for Safety and Health at Work



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IARC: International Agency for Research on Cancer  
IPCS: International Programme on Chemical Safety (Cards)  
NIOSH: Registry of toxic effects of chemical substances (1983)  
ACGIH: American Conference of Governmental Industrial Hygienists  
TOXNET: Toxicology Data Network  
WHO: World Health Organization  
CheLIST: Chemical Lists Information System  
GESTIS: International Limit Value (<https://limitvalue.ifa.dguv.de/>)

Acronyms: -

ACGIH: American Conference of Governmental Industrial Hygienists  
- ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
- CLP: Classification, Labelling and Packaging  
- CSR: Chemical Safety Report  
- DNEL: Derived No Effect Level  
- EC Effective Concentration  
- IATA International Air Transport Association  
- IMDG International Maritime Dangerous Goods  
- LC Lethal Concentration  
- LD Lethal Dose  
- PBT: Persistent, Bioaccumulative and Toxic  
- PNEC: Predicted No Effect Concentration  
- STEL: Short Term Exposure  
Limit  
- SVHC: Substance of Very High Concern  
- TLV: Threshold Limit Value  
- TWA: Time Weighted Average  
- vPvB: Very Persistent  
, very Bioaccumulative and toxic

NOTICE TO USERS:

The information contained in this sheet is based on the knowledge available at the time of compilation concerning the requirements for safety, health, environmental protection and proper use of the product.

The user must bear in mind the possible risks involved in using the product for any purpose other than that for which it is supplied.

The sheet does not in any case exempt the user from knowing and applying the set of regulations relevant to his activity. The set of

regulations mentioned is merely intended to help the recipient fulfil his obligations when using the hazardous product.

The sheet does not exempt the user from ensuring that he does not have any obligations other than those mentioned and regulating the possession and use of the product for which he is solely responsible.

\*\*\* This sheet cancels and replaces all previous editions.