CECCHI GUSTAVO & C.
Via M. Coppino 253 - 55049 Viareggio (LU) ITALY tel.
+39 0584 383694
www.cecchi.it info@cecchi.it

C-SYSTEMS 10 10 CFS component A–22/01/2026 - V.1/NE
SAFETY DATA SHEET Complies with Annex II of REACH - Regulation (EU) 2020/878

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

1.1. Product identifier

UFI:	2HU2-S01J-0008-NK9C
Name:	**C-SYSTEMS 10 10 CFS component A**

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

Description/Use: two-component epoxy system

Identified Uses	Industrialists	Professionals	Consumption
MIXING	ERC: 2. PROC: 4, 8a, 8b, 9.	-	-
Application of adhesives or other coatings with rollers and brushes	✔	-	-
INDUSTRIAL USE, FORMULATION AND PREPARATIONS	ERC: 12c.	-	-
Uses Not Recommended	different from those indicated		

Recommended restrictions on use: for industrial use only

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

Name	CECCHI GUSTAVO & C. SRL VIA
Address	M. COPPINO, 253
Location and State	55049 VIAREGGIO (LU) ITALY
tel.	0039 0584 383694
e-mail of the competent person responsible for the safety data sheet	info@cecchi.it

1.4. Emergency telephone number For urgent information, please contact:

CAV "Bambino Gesù Pediatric Hospital" Emergency and Admissions Department,	06 68593726
University Hospital of Foggia	800183459
CAV Polyclinic "Umberto I" Rome	06-49978000
CAV Polyclinic "A. Gemelli" Rome	06-3054343
Careggi Hospital, Medical Toxicology Unit, Florence, CAV,	055-7947819
National Toxicology Information Center, Pavia, Niguarda	0382-24444
Ca' Granda Hospital, Milan	02-66101029
Pope John XXII Hospital, Bergamo, "A. Cardarelli"	800883300
Hospital, Naples	081-5453333
Verona Integrated Hospital Company	800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and additions). The product therefore requires a safety data sheet compliant with the provisions of Regulation (EU) 2020/878.
Any additional information regarding health and/or environmental risks is given in sections 11 and 12 of this sheet.

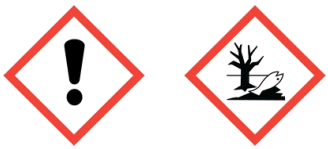
Classification and hazard statements:

Eye irritation, category 2 Skin	H319	Causes serious eye irritation.
irritation, category 2 Skin sensitization,	H315	Causes skin irritation.
category 1 skin.	H317	May cause an allergic reaction
Hazardous to the aquatic environment, chronic toxicity, aquatic with long-lasting effects. Category 2	H411	Toxic to organisms

2.2. Label elements

Hazard labelling pursuant to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and adjustments.

Hazard pictograms:



Warnings:	Attention

Hazard statements:

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Precautionary advice:

P280	Wear protective gloves and eye/face protection.
P273	Do not dispose of in the environment.
P391	Collect spilled material.
P261	Avoid breathing dust / fumes / gases / mist / vapors / aerosols.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists, consult a doctor.
Contains:	2,2-[(1-methylethylidene)bis(4,1 phenyleneoxymethylene)]bisoxyrane
	Epichlorohydrinformaldehyde-phenol polymer number average molecular weight < = 700
	(2-ethylhexyl)oxy]methyl]oxirane
	BENZYL ALCOHOL

2.3. Other dangers

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

The product does not contain substances with endocrine-disrupting properties in concentrations ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Epichlorohydrinformaldehyde-phenol polymer number average molecular weight < = 700 INDEX - THERE IS 500-006-8 CAS 9003-36-5 REACH Regulation 01-2119454392-40-XXXX	50 ≤ x < 70	Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411
2,2-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxyrane INDEX 603-073-00-2 THERE IS 216-823-5 5% CAS 1675-54-3 REACH Regulation 01-2119456619-26-XXXX	25 ≤ x < 30	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411 Skin Irrit. 2 H315: ≥ 5%, Eye Irrit. 2 H319: ≥
(2-ethylhexyl)oxy]methyl]oxirane INDEX - H315, Skin Sens. 1 H317 CE 219-553-6 CAS 2461-15-6 REACH Reg. 01-21199622196-31-xxxx	10 ≤ x < 15	Skin Irrit. 2
BENZYL ALCOHOL INDEX 603-057-00-5 THERE IS 202-859-9 CAS 100-51-6 REACH Regulation 01-2119492630-38-XXXX	1 ≤ x < 5	Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Sens. 1B H317 Oral LD50: 1200 mg/kg

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

If in doubt or if you experience symptoms, contact a doctor and show this document. For more serious symptoms, call 118 for immediate medical attention.
EYES: Remove contact lenses, if present, if easily accessible. Wash immediately with plenty of water for at least 15 minutes, holding the eyelids apart. Consult a doctor immediately.

SKIN: Remove all contaminated clothing immediately. Wash immediately with plenty of running water (and soap if possible). Seek medical attention immediately. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless specifically directed by a doctor. Do not administer anything orally to an unconscious person. Seek medical attention immediately.
INHALATION: Remove the victim to fresh air, away from the accident site. If respiratory symptoms occur (cough, shortness of breath, difficulty breathing, asthma), keep the victim in a comfortable position for breathing. Administer oxygen if necessary. If breathing stops, perform artificial respiration. Seek medical attention immediately.

Protection of rescuers the

It is good practice for first responders assisting a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of this protection depends on the hazardous nature of the substance or mixture, the route of exposure, and the extent of contamination. In the absence of other more specific indications, disposable gloves are recommended in the event of potential contact with body fluids. For the type of PPE appropriate for the characteristics of the substance or mixture, refer to section 8.

4.2. Main symptoms and effects, both acute and delayed

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

If skin irritation or rash occurs: Get medical advice/attention.

Resources to have available in the workplace for specific and immediate treatment

Running water for washing skin and eyes.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS
The extinguishing media are traditional: carbon dioxide, foam, powder, and water spray. UNSUITABLE EXTINGUISHING MEDIA
No one in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE Avoid breathing combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATION
Cool containers with water jets to prevent product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect fire-fighting water, which must not be discharged into sewers. Dispose of contaminated fire-fighting water and fire residues in accordance with applicable regulations.

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

Stop the leak if there is no danger.
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. This guidance applies 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 area affected by the spill. 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

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product into the environment. Do not eat, drink, or smoke while using it. 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 closed in a well-ventilated area, away from direct sunlight. Keep containers away from any incompatible materials, see section 10.

7.3. Specific end uses

See exposure scenarios attached to this safety data sheet.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. Yes ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.28 от 2 Април 2024г.) ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 24 czerwca 2024 r.
POL	Poland	

zmieniające rozporządzenie w sprawie najwyższych

		dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w środowisku pracy
RUS	Россия	Posted on 13 November 2018. N 25 ОБ УТВЕРЖДЕНИИ ГИГИЕНИЧЕСКИХ НОРМАТИВОВ ГН 2.2.5.3532-18 "ПРЕДЕЛЬНО ДОПУСТИМЫЕ КОНЦЕНТРАЦИИ (ПДК) ВРЕДНЫХ ВЕЩЕСТВ В ВОЗДУХЕ РАБОЧЕЙ ЗОНЫ"

2,2-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxyrane

Predicted no-effect concentration - PNEC		
Reference value for sediments in freshwater	0.5	mg/kg/d
Reference value for sediments in marine water	0.5	mg/kg/d

Health - Derived No-Effect Level - DNEL / DMEL

Effects on consumers					Effects on workers			
Exposure Route	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic premises	Chronic systemic
Oral	0.75 mg/kg/d	0.75 mg/kg/d		0.75 mg/kg/d				
Inhalation						12.3 mg/m3		12.3 mg/m3
Dermal		3.6 mg/kg bw/d		3.6 mg/kg bw/d		8.3 mg/kg bw/d		8.3 mg/kg bw/d

BENZYL ALCOHOL

Threshold limit value

Type	State	TWA/8h		STEL/15min		Notes / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	5				
NDS/NDSCh	POL	240				
PDC	RUS			5		p

Epichlorohydrinformaldehyde-phenol polymer number average molecular weight < = 700

Predicted no-effect concentration - PNEC		
Reference value in fresh water	0.003	mg/l
Reference value in seawater	0.0003	mg/l
Reference value for freshwater sediments	0.294	mg/kg/d
Reference value for sediments in seawater	0.0294	mg/kg/d
Reference value for STP microorganisms	10	mg/l

Health - Derived No-Effect Level - DNEL / DMEL

Effects on consumers					Effects on workers			
Exposure Route	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic premises	Chronic systemic
Oral				6.25 mg/kg		0.0083 bw/d		
Inhalation				8.7 mg/m3				29.39 mg/m3
Dermal				62.5 mg/kg mg/cm2		0.0083 bw/d		104.15 mg/kg

(2-ethylhexyl)oxy]methyl]oxirane

Predicted no-effect concentration - PNEC		
Reference value in fresh water	0, 0072	mg/l
Reference value in seawater	0, 00072	mg/l
Reference value for freshwater sediments	28666	mg/kg
Reference value for sediments in seawater	28.66	mg/kg
Reference value for water, intermittent release	0.072	mg/l
Reference value for STP microorganisms	10	mg/l
Reference value for the terrestrial compartment	57.16	mg/kg

Health - Derived No-Effect Level - DNEL / DMEL							
Effects on consumers				Effects on workers			
Exposure Route	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic premises	Chronic systemic
Dermal		0.5 mg/kg bw/d		2.5 mg/kg bw/d				

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;
LOW = low hazard; MED = medium hazard; HIGH = high hazard.

8.2. Exposure controls

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, consult your chemical suppliers for advice.
Personal protective equipment must bear the CE marking, certifying its compliance with current regulations.

For the selection of risk management measures and operating conditions, see also

the attached exposure scenarios. Provide an emergency shower with a visoocular basin.

HAND PROTECTION
Protect your hands with category III work gloves.
When choosing the material for work gloves (ref. EN 374), consider compatibility, degradation, and permeation time. For 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 their duration and how they are used.

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. EN ISO 16321 standard).

RESPIRATORY PROTECTION
The use of respiratory protection is necessary if the technical measures adopted are not sufficient to limit worker exposure to the threshold values considered. Wearing a mask with an ABEK filter is recommended.

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.
Product residues must not be discharged uncontrolled into waste water or watercourses.
For information on controlling environmental exposure, refer to the exposure scenarios attached to this document.

safety data sheet.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical State	liquid	
Color	blue	
Odor	characteristic	
Melting or freezing point	not available	
Initial boiling point	< 250 °C	
Flammability	non-flammable	
Lower explosion limit Upper	not available	
explosion limit Flash point Auto-	not available	
ignition temperature	> 250 °C	
Decomposition temperature pH	not available	
	not available	
	not available	
Kinematic viscosity	not available	
Solubility	insoluble in water	
Partition coefficient: n-octanol/water:	not available	
Vapor pressure	not available	
Density and/or Relative density	1.12	
Relative vapour density Particle	not available	
characteristics	not applicable	

9.2. Other information

9.2.1.Information relating to physical hazard classes

Information not available

9.2.2.Other security features

Total solids (250°C / 482°F)
VOC (Directive 2010/75/EU) g/liter

SECTION 10. Stability and reactivity

10.1. Reactivity

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

BENZYL ALCOHOL

Decomposes above 870°C/1598°F.Possibility of explosion.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, no hazardous reactions are expected.

BENZYL ALCOHOL

May react dangerously with: hydrobromic acid, iron, oxidizing agents, sulfuric acid. Risk of explosion on contact with: phosphorus trichloride.

10.4. Conditions to avoid

None in particular. However, observe the usual precautions when handling chemicals.

BENZYL ALCOHOL

Avoid exposure to: air, heat sources, open flames.

10.5. Incompatible materials

BENZYL ALCOHOL

Incompatible with: sulfuric acid, oxidizing substances, aluminum.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

In the absence of experimental toxicological data on the product itself, the potential health risks of the product have been assessed based on the properties of the substances it contains, according to the criteria established by the reference legislation for classification.

Therefore, consider the concentration of any individual hazardous substances mentioned in section 3 to assess the toxicological effects resulting from exposure to the product.

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

Metabolism, kinetics, mechanism of action and other information the

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 the

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no relevant components)
ATE (Oral) of the mixture: ATE	> 2000 mg/kg
(Dermal) of the mixture:	Not classified (no relevant components)

Epichlorohydrinformaldehyde-phenol polymer number average molecular weight < = 700

LD50 (Dermal):	> 2000 mg/kg RABBIT
LD50 (Oral):	> 2000 mg/kg RAT

2,2-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxirane

LD50 (Dermal):	> 2000 mg/kg rat
LD50 (Oral):	> 2000 mg/kg rat

BENZYL ALCOHOL

LD50 (Dermal):	2000 mg/kg Rabbit
LD50 (Oral):	1200 mg/kg
LC50 (Inhalation of vapours):	> 4.1 mg/l/4h Rat

SKIN CORROSION / SKIN IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / EYE IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITIZATION

Skin sensitizer

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

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

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

The product is to be considered dangerous for the environment and is toxic to aquatic organisms with long-term negative effects on the aquatic environment.

12.1. Toxicity

2,2-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxyrane

LC50 - Fish	1.2 mg/l/96h
EC50 - Crustaceans	1.8 mg/l/48h daphnia
EC50 - Algae / Aquatic Plants	9.4 mg/l/72h algae

12.2. Persistence and degradability

Epichlorohydrinformaldehyde-phenol polymer number average molecular weight <= 700

NOT rapidly degradable

2,2-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxyrane

Solubility in water	0.1 - 100 mg/l

NOT rapidly degradable

BENZYL ALCOHOL

Rapidly degradable

12.3. Bioaccumulative potential

2,2-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxyrane

Partition coefficient: n-octanol/water BCF	> 2,918
	31

BENZYL ALCOHOL

Partition coefficient: n-octanol/water	1.1

12.4. Mobility in soil

2,2-[(1-methylethylidene)bis(4,1- phenyleneoxymethylene)]bisoxyrane

Partition coefficient: soil/water 2.65

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine-disrupting properties

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 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 a licensed waste management company, in compliance with national and, where applicable, local regulations. Waste transportation may be subject to ADR regulations.
Waste management resulting from the use or dispersion of this product must be organized in compliance with workplace safety regulations. See section 8 for any need for PPE. CONTAMINATED PACKAGING

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

SECTION 14. Transport Information

14.1 UN number or ID number

ADR / RID, IMDG, IATA: UN 3082

ADR / RID: If transported in simple or internal packaging with a capacity ≤ 5Kg or 5L, the product is not subject to ADR/RID provisions, as set out in Special Provision 375.

IMDG: If transported in simple or internal packagings with a capacity ≤ 5Kg or 5L, the product is not subject to the provisions of the IMDG Code, as set out in Section 2.10.2.7.

IATA: If transported in simple or internal packaging with a capacity ≤ 5Kg or 5L, the product is not subject to other IATA provisions, as set out in Special Provision A197.

14.2 UN official shipping name

ADR / RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (Epichlorohydrinformaldehyde-phenol polymer number average molecular weight < = 700; 2,2-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxyrane)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (Epichlorohydrinformaldehyde-phenol polymer number average molecular weight ≤ 700; REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN) ;(2- ethylhexyl)oxy]methyl]oxirane)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, NOS (Epichlorohydrinformaldehyde-phenol polymer number average molecular weight ≤ 700; REACTION PRODUCT: BISPHENOL A-(EPICHLORHYDRIN))

14.3 Transport hazard classes

ADR / RID:	Class: 9	Label: 9
IMDG:	Class: 9	Label: 9
IATA:	Class: 9	Label: 9



14.4. Packing group

ADR / RID, IMDG, IATA: III

14.5. Environmental hazards

ADR / RID:	Dangerous for the environment
IMDG:	Marine pollutant
IATA:	Dangerous for the environment



14.6. Special precautions for users

ADR / RID:	HIN - Kemler: 90	Limited Quantities: 5 L	Code of restriction in gallery: (-)
	Special provision: 274, 335, 375, 601		
IMDG:	EMS: FA, SF	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 450 L	Packaging Instructions: 964
	Passengers:	Maximum quantity: 450 L	Packaging Instructions: 964
	Special provision:	A97, A158, A197, A215	

14.7. Maritime transport in bulk in accordance with IMO provisions

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: E2

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

Product

Point 3

Substances contained

Point 75

Regulation (EU) 2019/1148 - on the placing on the market and use of explosive precursors the

not applicable

Substances in Candidate List (Art. 59 REACH)

Based on available data, the product does not contain SVHC substances in a percentage ≥ 0.1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to export notification requirements Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Health Checks the
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:

2,2-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bisoxyrane

Epichlorohydrinformaldehyde-phenol polymer number average molecular weight < = 700

SECTION 16. Other information

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

Acute Tox. 4	Acute toxicity, category 4 Eye
Eye Irrit. 2	irritation, category 2 Skin irritation,
Skin Irrit. 2	category 2 Skin sensitization, category
Skin Sens. 1	1
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H315	Causes skin irritation.

H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

Decoding the use descriptors:

ERC	**12c**	Use of articles at low-release industrial sites
ERC	**2**	Formulation of preparations
PROC	**4**	Production of chemicals with the possibility of exposure
PROC	**8th**	Transfer of a substance or preparation (filling/emptying) at non-dedicated facilities Transfer of a
PROC	**8b**	substance or mixture (filling/emptying) at dedicated facilities Transfer of a substance or preparation into small
PROC	**9**	containers (dedicated filling line, including weighing)

LEGEND:
- ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
- ATE / STA: Acute Toxicity Estimation
- CAS: Chemical Abstract Service Number
- EC: 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 a 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
- PEC: Predicted Environmental Concentration
- PEL: Predicted Exposure Level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted No Effect Concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulations for the International Carriage of Dangerous Goods by Rail
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should 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
- vPvM: Very persistent and very mobile
- 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
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)
22.Delegated Regulation (EU) 2022/692 (XVIII Atp. CLP)
23.Delegated Regulation (EU) 2023/707
24.Delegated Regulation (EU) 2023/1434 (XIX Atp. CLP)
25.Delegated Regulation (EU) 2023/1435 (XX Atp. CLP)
26.Delegated Regulation (EU) 2024/197 (XXI Atp. CLP)
27.Delegated Regulation (EU) 2024/2564 (XXII 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 Chemical Safety Data Sheets (SDS) Templates - Ministry of Health and National Institute of Health

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 stated in section 12.

CECCHI GUSTAVO & C.
Via M. Coppino 253 - 55049 Viareggio (LU) ITALY tel.
+39 0584 383694
www.cecchi.it info@cecchi.it

C-SYSTEMS 10 10 CFS component B–15/07/2025 - V.3
SAFETY DATA SHEET Complies with Annex II of REACH - Regulation (EU) 2020/878

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

1.1.Product identifier

UFI:	**F9V2-A083-R00Q-MNHX**
Name	**C-SYSTEM 10 10 CFS component B**

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

Identified Uses	Industrialists	Professionals	Consumption
INDUSTRIAL USE, FORMULATION AND PREPARATIONS	✓	-	-
MIXING	**ERC: 2.** **PROC: 4, 8a, 8b, 9.**		
		-	-
Application of adhesives or paints with rollers and brushes			
other coverings	✓	-	-

Uses Not Recommended

different from those indicated
Recommended use restrictions: for industrial use only

1.3.Information on the supplier of the safety data sheet

Company Name	**CECCHI GUSTAVO & C. SRL**
Address	**VIA M. COPPINO, 253**
Location and State	**55049 VIAREGGIO (LU) ITALY** **tel. 0039 0584 383694**

email of the competent person,
responsible for the safety data sheet**info@cecchi.it**

1.4. Emergency telephone number

For urgent information, please contact	
CAV "Bambino Gesù Pediatric Hospital" Emergency and Admissions Department,	06 68593726
University Hospital of Foggia	800183459
CAV Polyclinic "Umberto I" Rome	06-49978000
CAV Polyclinic "A. Gemelli" Rome	06-3054343
Careggi Hospital, Medical Toxicology Unit, Florence, CAV,	055-7947819
National Toxicology Information Center, Pavia, Niguarda	0382-24444
Ca' Granda Hospital, Milan	02-66101029
Pope John XXII Hospital, Bergamo, "A. Cardarelli"	800883300
Hospital, Naples	081-5453333
Verona Integrated Hospital Company	800011858

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions of Regulation (EC) 1272/2008 (CLP) (and subsequent amendments and additions). The product therefore requires a safety data sheet compliant with the provisions of Regulation (EU) 2020/878. Any additional information regarding health and/or environmental risks is provided in sections 11 and 12 of this sheet.

Classification and hazard statements:

Acute toxicity, category 4 Acute	H302	Harmful if swallowed.
toxicity, category 4 Skin corrosion,	H332	Harmful if inhaled.
category 1A Eye corrosion.	H314	Causes severe skin burns and serious injuries
Serious eye damage, category 1 Skin	H318	Causes serious eye damage.
sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, long-term toxicity, category 3	H412	Harmful to aquatic life for a long time.

2.2. Label elements

Hazard labelling according to Regulation (EC) 1272/2008 (CLP) and subsequent amendments and

adjustments. Hazard pictograms:



Warnings: Danger

Hazard statements:

H302+H332	Harmful if swallowed or inhaled.
H314	Causes severe skin burns and eye damage. May
H317	cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary advice:

P260	Do not breathe dust / fume / gas / mist / vapors / spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water [or shower].
P280	Wear protective gloves/clothing and eye/face protection.
P310	Immediately contact a POISON CENTER / doctor / emergency room. Wash hands and
P264	face thoroughly after handling.

Contains: 1,3-CYCLOHEXYLENBIS(METHYLAMINE)
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups m-phenylenebis (methylamine)
BENZYL ALCOHOL

Product not intended for the uses envisaged by Directive 2004/42/EC.

2.3. Other dangers

Based on available data, the product does not contain PBT or vPvB substances in percentages ≥ 0.1%.
The product does not contain substances with endocrine-disrupting properties in concentrations ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification		x = Conc. %	Classification 1272/2008 (CLP)
BENZYL ALCOHOL			
INDEX	*603-057-00-5*	30 ≤ x < 50	**Acute Tox. 4 H302, Eye Irrit. 2 H319, Skin Sens. 1B H317**
THERE IS	*202-859-9*		**LD50 Oral: 1200 mg/kg**
CAS	*100-51-6*		
REACH Regulation	*01-2119492630-38-XXXX*		
1,3-CYCLOHEXYLENBIS(METHYLAMINE)			
INDEX		15 ≤ x < 30	**Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1A H314, Eye Dam. 1 H318, Aquatic Chronic 3 H412**
THERE IS	*219-941-5*		**Oral LD50: 700 mg/kg, Dermal LD50: 1700 mg/kg**
CAS	*2579-20-6*		
REACH Regulation	*01-2119543741-41-XXXX*		
Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups			
INDEX		10 ≤ x < 15	**Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Chronic 3 H412**
THERE IS			
CAS	*9046-10-0*		
REACH Regulation	*01-2119557899-12-XXXX*		
m-phenylenebis (methylamine)			
INDEX		10 ≤ x < 15	**Acute Tox. 3 H331, Acute Tox. 4 H302, Skin Corr. 1C H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Chronic 3 H412, EUH071 LD50 Oral: 930 mg/kg, ATE Inhalation vapours: 3 mg/l**
THERE IS	*216-032-5*		
CAS	*1477-55-0*		

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

If in doubt or if you experience symptoms, contact a doctor and show this document. For more serious symptoms, call 118 for immediate medical attention.
EYES: Remove contact lenses, if present, if easily accessible. Wash immediately with plenty of water for at least 15 minutes, holding the eyelids apart. Consult a doctor immediately.

SKIN: Remove all contaminated clothing immediately. Wash immediately with plenty of running water (and soap if possible). Seek medical attention immediately. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless specifically directed by a doctor. Rinse mouth with running water. Do not administer anything by mouth to an unconscious person. Seek medical attention immediately. INHALATION: Remove the person to fresh air, away from the accident site. If respiratory symptoms occur (cough, dyspnea, difficulty breathing, asthma), keep the victim in a comfortable position for breathing. Administer oxygen if necessary. If breathing stops, perform artificial respiration. Seek medical attention immediately.

Protection of rescuers the

It is good practice for first responders assisting a person who has been exposed to a chemical substance or mixture to wear personal protective equipment. The nature of this protection depends on the hazardous nature of the substance or mixture, the route of exposure, and the extent of contamination. In the absence of other more specific indications, it is recommended to use disposable gloves in the event of possible contact with body fluids. For the type of PPE suitable for the characteristics of the substance or mixture, refer to

section 8.

4.2. Main symptoms and effects, both acute and delayed

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

Contact a POISON CENTER / doctor / emergency room immediately

Resources to have available in the workplace for specific and immediate treatment

Running water for washing skin and eyes.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING MEANS
The extinguishing means are the traditional ones: carbon dioxide, foam, powder and water spray.
UNSUITABLE EXTINGUISHING MEANS
None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS DUE TO EXPOSURE IN CASE OF FIRE Avoid breathing
combustion products.

5.3. Recommendations for firefighters

GENERAL INFORMATION
Cool containers with water jets to prevent product decomposition and the development of substances potentially hazardous to health. Always wear full fire protection equipment. Collect fire-fighting water, which must not be discharged into sewers. Dispose of contaminated fire-fighting water and fire residues in accordance with applicable regulations.
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

Stop the leak if there is no danger.
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. This guidance applies 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 cleanup

Suck up the spilled product into a suitable container. Assess the compatibility of the container to be used with the product by checking the section
10. Absorb remainder with inert absorbent material.
Ensure adequate ventilation of the area affected by the spill. 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

Handle the product after consulting all other sections of this safety data sheet. Avoid dispersing the product into the environment. Do not eat, drink, or smoke while using it. 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 closed in a well-ventilated area, away from direct sunlight. Keep containers away from any incompatible materials, see section 10.

7.3. Specific end uses

See exposure scenarios attached to this safety data sheet

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. Yes ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 January 2020г.)
ITA	Italy	Legislative Decree 9 April 2008, n.81
POL	Poland	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Read more of 13 February 2018. N 25 ОБ УТВЕРЖДЕНИИ ГИГИЕНИЧЕСКИХ НОРМАТИВОВ ГН 2.2.5.3532-18 "ПРЕДЕЛЬНО ДОПУСТИМЫЕ
RUS	Россия	КОНЦЕНТРАЦИИ (ПДК) ВРЕДНЫХ ВЕЩЕСТВ В ВОЗДУХЕ РАБОЧЕЙ ЗОНЫ"

BENZYL ALCOHOL

Threshold limit value

Type	State	TWA/8h		STEL/15min		Notes / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	5				
NDS/NDSCh	POL	240				
PDC	RUS			5		p

m-phenylenebis (methylamine)

Threshold limit value

Type	State	TWA/8h		STEL/15min		Notes / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	ITA	0.1				

Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl

Predicted no-effect concentration - PNEC

Reference value in fresh water	0.015	mg/l
Reference value in seawater	0.014	mg/l
Reference value for sediments in freshwater	0.132	mg/kg
Reference value for sediments in seawater	0.125	mg/kg
Reference value for water, intermittent release	0.15	mg/l
Reference value for STP microorganisms	7.5	mg/l
Reference value for the food chain (secondary poisoning)	6.93	mg/kg
Reference value for the terrestrial compartment	0.018	mg/kg

Health - Derived No-Effect Level - DNEL / DMEL

Exposure Route	Effects on Consumers				Effects on workers			
	Local acute	Local Systemics acute	Local Systemics chronic	Systemic chronic	Locals acute	Local Systemics acute	Local Systemics chronic	Systemic chronic
Inhalation								1.36 mg/m3
Dermal								2.5 mg/kg bw/d

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

; LOW = low risk ; MED = medium risk ; HIGH = high risk.

8.2. Exposure controls

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, consult your chemical suppliers for advice.
Personal protective equipment must bear the CE marking, certifying its compliance with current regulations.
For the selection of risk management measures and operational conditions, also consult the attached exposure scenarios. Provide an emergency shower with a viso-eye basin. HAND PROTECTION
Protect your hands with category III work gloves.
For the final choice of work glove material (ref. EN 374 standard) the following must be considered: compatibility, degradation, permeation time.
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 their duration and usage pattern.

SKIN PROTECTION

Wear long-sleeved work clothes and Category III 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 a hood visor or protective visor combined with airtight glasses (ref. standard EN ISO 16321).
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
The use of respiratory protection is necessary if the technical measures adopted are not sufficient to limit worker exposure to the threshold values considered. It is recommended to wear a mask with a type A filter, the class (1, 2, or 3) of which must be chosen based on the limit concentration of use. (Ref. standard EN 14387).
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.
Product residues should not be discharged uncontrolled into wastewater or waterways. For information on controlling environmental exposure, refer to the exposure scenarios attached to this safety data sheet.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value	Information
Physical State	liquid	
Color	yellowish	
Odor	amino	
Melting point or freezing point	not available	
Initial boiling point	not available	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point Autoignition	> 100°C	
temperature	not available	
Decomposition temperature pH	not available	
	not available	
Kinematic viscosity	> 20.5 mm2/sec (40°C)	
Solubility	slightly soluble	
Partition coefficient: nottanol/		
water:	not available	
Vapor pressure	not available	
Density and/or Relative	1.0	
density Relative vapour	not available	
density Particle characteristics	not applicable	

9.2. Other information

9.2.1.Related information

to classes of physical hazards

Information not available

9.2.2.Other security features

Total solids (250°C / 482°F)				
VOC (Directive 2010/75/EU)	0%	-	0	g/liter
VOC (volatile carbon)	0%	-	0	g/liter

SECTION 10. Stability and reactivity

10.1.Reactivity

There are no particular dangers of reaction with other substances under normal conditions of use.
BENZYL ALCOHOL
Decomposes above 870°C/1598°F.Possibility of explosion.

10.2.Chemical stability

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

10.3.Possibility of hazardous reactions

Under normal conditions of use and storage, no hazardous reactions are expected.
BENZYL ALCOHOL
May react dangerously with: hydrobromic acid, iron, oxidizing agents, sulfuric acid. Risk of explosion on contact with: phosphorus trichloride.

10.4.Conditions to avoid

None in particular. However, observe the usual precautions when handling chemical products.
BENZYL ALCOHOL
Avoid exposure to: air, heat sources, open flames.

10.5.Incompatible materials

BENZYL ALCOHOL
Incompatible with: sulfuric acid, oxidizing substances, aluminum.

10.6.Hazardous decomposition products

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

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 the

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 the

Information not available

ACUTE TOXICITY

ATE (Inhalation - mists / dusts) of the mixture: ATE	3.34 mg/l
(Inhalation - vapours) of the mixture:	> 20 mg/l
ATE (Oral) of the mixture: ATE	993.51 mg/kg
(Dermal) of the mixture:	Unclassified (no relevant components)

BENZYL ALCOHOL

LD50 (Dermal):	2000 mg/kg Rabbit
LD50 (Oral):	1200 mg/kg
LC50 (Inhalation of vapours):	> 4.1 mg/l/4h Rat

1,3-CYCLOHEXYLENBIS(METHYLAMINE)

LD50 (Dermal):	1700 mg/kg rat
LD50 (Oral):	700 mg/kg rat

Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups

LD50 (Dermal):	2980 mg/kg rabbit
LD50 (Oral):	2885 mg/kg rat

m-phenylenebis (methylamine)

LD50 (Dermal):	2000 mg/kg rabbit
LD50 (Oral):	930 mg/kg rat
LC50 (Inhalation of vapours):	2.4 mg/lt 4 h rat
STA (Inhalation of vapours):	3 mg/l estimate from Table 3.1.2 of Annex I of CLP (data used for the calculation of the estimate of the acute toxicity of the mixture)

SKIN CORROSION / SKIN IRRITATION

Corrosive to the skin

SERIOUS EYE DAMAGE / EYE IRRITATION Causes serious eye damage

RESPIRATORY OR SKIN SENSITIZATION Skin sensitizer

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

SPECIFIC TARGET ORGAN TOXICITY (STOT) - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

SPECIFIC TARGET ORGAN TOXICITY (STOT) - REPEATED EXPOSURE Does not meet the classification criteria for this hazard class

DANGER IN CASE OF ASPIRATION

Does not meet the classification criteria for this hazard class Viscosity: >20.5 mm2/sec (40°C)

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

The product is to be considered dangerous for the environment and is harmful to aquatic organisms with long-term negative effects on the aquatic environment.

12.1. Toxicity

1,3-CYCLOHEXYLENBIS(METHYLAMINE)

LC50 - Fish	130 mg/l/96h leuciscus idus 90 mg/
EC50 - Crustaceans	l/48h pseudonomas putida

Reaction products of propane-1,2-diol, propoxylated by amination of the terminal hydroxyl groups

LC50 - Fish	> 220 mg/l/96h fish

m-phenylenebis (methylamine)

LC50 - Fish	> 100 mg/l/96h onchohinuss mykiss
EC50 - Crustaceans	16 mg/l/48h daphnia magna

12.2. Persistence and degradability

BENZYL ALCOHOL
Rapidly degradable

12.3. Bioaccumulative potential

BENZYL ALCOHOL

Partition coefficient: n-octanol/water	1.1

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 ≥ 0.1%.

12.6. Endocrine-disrupting properties

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 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.
Waste management resulting from the use or dispersion of this product must be organized in compliance with occupational safety regulations. See Section 8 for any PPE requirements.

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

SECTION 14. Transport Information

14.1.UN number or ID number

ADR/RID, IMDG, IATA: UN 2735

14.2.Official UN shipping name

ADR / RID: CORROSIVE LIQUID AMINES, NAS or CORROSIVE LIQUID POLYAMINES, NAS AMINES,
IMDG: LIQUID, CORROSIVE, NOS or POLYAMINES, LIQUID, CORROSIVE, NOS AMINES, LIQUID,
IATA: CORROSIVE, NOS or POLYAMINES, LIQUID, CORROSIVE, NOS

14.3.Transport hazard classes

ADR / RID: Class: 8 Label: 8

IMDG: Class: 8 Label: 8

IATA: Class: 8 Label: 8



14.4.Packing group

ADR / RID, IMDG, IATA: III

14.5.Dangers for the environment

ADR / RID: NO
IMDG: non-marine pollutant
IATA: NO

14.6.Special precautions for users

ADR / RID:	HIN - Kemler: 80	Amount Limited: 5 L	Tunnel restriction code: (E)
	Special provision: 274		
IMDG:	EMS: FA, SB	Amount Limited: 5 L	
IATA:	Cargo:	Amount maximum: 60 L	Instructions Packaging: 856
	Passengers:	Amount maximum: 5 L	Instructions Packaging: 852
	Special provision:	A3, A803	

14.3. Maritime transport in bulk in accordance with IMO Acts

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 3

Substances contained

Point 75

Regulation (EU) 2019/1148 - on the placing on the market and use of explosive precursors i not applicable

Substances in Candidate List (Art. 59 REACH)
Based on available data, the product does not contain SVHC substances in a percentage ≥ 0.1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to export notification requirements Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Health Checks the
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 not been carried out for the mixture / substances listed in section 3.

SECTION 16. Other information

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

Acute Tox. 3	Acute toxicity, category 3 Acute
Acute Tox. 4	toxicity, category 4 Skin corrosion,
Skin Corr. 1A	category 1A Skin corrosion, category
Skin Corr. 1B	1B Skin corrosion, category 1C Serious
Skin Corr. 1C	eye damage, category 1 Eye irritation,
Eye Dam. 1	category 2 Skin sensitization, category
Eye Irrit. 2	1 Skin sensitization, category 1B
Skin Sens. 1	
Skin Sens. 1B	
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H331	Toxic if inhaled.
H302+H332	Harmful if swallowed or inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage. Causes
H318	serious eye damage.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long-lasting effects. Corrosive to
EUH071	the respiratory tract.

Decoding the use descriptors:

ERC2	Formulation of preparations
PROC4	Production of chemicals with potential for exposure Transfer of a substance
PROC8th	or preparation (filling/discharging) to non-dedicated facilities
PROC8b	Transfer of a substance or mixture (filling/discharging) at dedicated facilities
PROC9	Transfer of a substance or preparation into small containers (dedicated filling line, including weighing)

LEGEND:
- ADR: European Agreement concerning the Carriage of Dangerous Goods by Road
- ATE / STA: Acute Toxicity Estimation
- 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
- PEC: Predicted Environmental Concentration
- PEL: Predicted Exposure Level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted No Effect Concentration
- REACH: Regulation (EC) 1907/2006

- RID: Regulations for the International Carriage of Dangerous Goods by Rail
- 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
- vPvM: Very persistent and very mobile
- WGK: Water hazard class (Germany).

GENERAL BIBLIOGRAPHY:

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2. Regulation (EC) 1272/2008 of the European Parliament and of the Council (CLP)
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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)
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20. Delegated Regulation (EU) 2021/643 (XVI Atp. CLP)
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- 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 stated in section 12.
Changes from the previous revision Changes have been made to the following sections: 01.