Safety Data Sheet

According to Annex II to REACH - Regulation (EU) 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Code:	**SPB48**
Product name	**Base Unghie Rescue+++ Multipack**

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

Intended use	**Nail care and makeup products**

1.3. Details of the supplier of the safety data sheet

Name	**PASSIONE BEAUTY S.P.A.**		
Full address	**Viale Crispi 89-93**		
District and Country	**36100**	**Vicenza**	**(VI)**
		Italia	
	Tel.	**+39 0444-239569**	
e-mail address of the competent person responsible for the Safety Data Sheet	**quality@pucosmetica.it**		

1.4. Emergency telephone number

For urgent inquiries refer to	**+39 0444-239569**

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.
Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Eye irritation, category 2	H319	Causes serious eye irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

2.2. Label elements

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

Hazard pictograms:

Signal words: Danger

Hazard statements:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

SECTION 2. Hazards identification ... / >>

P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P370+P378	In case of fire: use . . . to extinguish.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.
P233	Keep container tightly closed.
P312	Call a POISON CENTRE / doctor / . . . if you feel unwell.

Contains: N-butyl acetate
Ethyl acetate

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification		**x = Conc. %**	**Classification (EC) 1272/2008 (CLP)**
Ethyl acetate			
INDEX	*607-022-00-5*	47,5 ≤ x < 50	**Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066**
EC	*205-500-4*		
CAS	*141-78-6*		
REACH Reg.	*01-2119475103-46-xxxx*		
N-butyl acetate			
INDEX	*607-025-00-1*	40 ≤ x < 42,5	**Flam. Liq. 3 H226, STOT SE 3 H336, EUH066**
EC	*204-658-1*		
CAS	*123-86-4*		
REACH Reg.	*01-2119475103-46-XXXX*		
Ethanol			
INDEX	*603-002-00-5*	8 ≤ x < 9	**Flam. Liq. 2 H225, Eye Irrit. 2 H319**
EC	*200-578-6*		
CAS	*64-17-5*		
REACH Reg.	*01-2119457610-43-XXXX*		
Phosphoric acid			
INDEX	*015-011-00-6*	0,809 ≤ x < 0,909	**Skin Corr. 1B H314, Eye Dam. 1 H318, Classification note according to Annex VI to the CLP Regulation: B**
EC	*231-633-2*		
CAS	*7664-38-2*		
REACH Reg.	*01-2119485924-24-XXXX*		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

Symptoms resulting from intoxication may appear after exposure, therefore, in case of doubt, consult a doctor for direct exposure to the chemical product or persistent discomfort, showing the safety data sheet for this product.
By inhalation:
Remove the affected person from the exposure area, let them breathe fresh air and keep them at rest. In severe cases such as cardiorespiratory failure, artificial resuscitation techniques (mouth-to-mouth resuscitation, cardiac massage, oxygen supply, etc.) will be necessary, requiring immediate medical assistance.
By skin contact:
Remove contaminated clothing and footwear, rinse the skin or, if appropriate, shower the affected person with plenty of cold water and neutral soap. In severe cases consult a doctor. If the product causes burns or frostbite, clothing should not be removed as this may worsen the injury caused if it remains stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.
By eye contact:
Rinse eyes thoroughly with warm water for at least 15 minutes. Do not allow the affected person to rub themselves or close their eyes. If the casualty uses contact lenses, they will need to be removed unless they are stuck to the eye, in which case this could cause further damage. In any case, after cleaning, consult a doctor as soon as possible with the product safety data sheet.

SECTION 4. First aid measures ... / >>

By ingestion/aspiration:
Do not induce vomiting, but if it occurs, keep your head down to avoid aspiration. Keep the affected person at rest. Rinse mouth and throat as they may have been damaged by ingestion.

4.2. Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in paragraphs 2 and 11.

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

Not relevant.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Foam fire extinguisher (AB), Dry chemical powder (ABC) Fire extinguisher, Carbon dioxide fire extinguisher (BC)
Unsuitable extinguishing media:
Water jet

5.2. Special hazards arising from the substance or mixture

Following combustion or thermal decomposition, reactive by-products are created which can become highly toxic and, as a result, may present a serious health risk.

5.3. Advice for firefighters

Depending on the extent of the fire, the use of full protective clothing and self-contained breathing apparatus (SCBA) may be necessary. Minimum emergency facilities and equipment (fire blankets, portable first aid kit,...) should be available in accordance with Directive 89/654/EC.
Additional provisions:
Act in accordance with the Internal Emergency Plan and the Information Sheets on the actions to be taken after an accident or other emergencies. Eliminate all sources of ignition. In the event of fire, cool containers and storage tanks for products subject to combustion, explosion or BLEVE due to high temperatures. Avoid spillage of products used to extinguish the fire into an aqueous medium.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
Isolate leaks provided there is no additional risk to people carrying out this activity. Evacuate the area and keep unprotected people away. Personal protective equipment must be used against potential contact with spilled product (see section 8). Above all, avoid the formation of flammable vapour-air mixtures, either by ventilation or by using an inert medium. Remove any ignition source. Eliminate static electricity by interconnecting all conductive surfaces on which static electricity could form and also ensuring that all surfaces are earthed.
For rescuers:
Wear protective equipment. Keep unprotected people away. See section 8.

6.2. Environmental precautions

This product is not classified as dangerous for the environment. Keep the product away from drains, surface water and groundwater.

6.3. Methods and material for containment and cleaning up

It is recommended:
Absorb spill using sand or inert absorbent and move to a safe location. Do not absorb with sawdust or other combustible absorbents. For any doubts related to disposal, consult section 13.

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

A.- General precautions for safe use
Comply with current legislation regarding the prevention of industrial risks. Keep containers tightly closed. Control spills and residues and

SECTION 7. Handling and storage ... / >>

destroy them using safe methods (section 6). Avoid leaks from the container. Maintain order and cleanliness in places where dangerous products are used.
B.- Technical recommendations for the prevention of fires and explosions
Transfer to well-ventilated areas, preferably using localized suction. Completely control sources of ignition (mobile phones, sparks,…) and ventilate during cleaning operations. Avoid the presence of dangerous atmospheres inside the containers, applying inertization systems where possible. Transfer at low speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use earthing, do not wear work clothes made of acrylic fibres, preferably wear cotton clothing and conductive footwear. Comply with the essential safety requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and the minimum requirements for the protection of the safety and health of workers according to the selection criteria of Directive 1999/92/EC (ATEX 137). See section 10 for conditions and materials that should be avoided.
C.- Technical recommendations on general workplace hygiene
Do not eat or drink during processing, then wash your hands with suitable detergents.
D.- Technical recommendations to prevent environmental risks
It is recommended to keep absorbent material available in the immediate vicinity of the product (see subsection 6.3)

7.2. Conditions for safe storage, including any incompatibilities

A.- Specific storage needs
Minimum temp.: 5 ºC
Maximum temp.: 30 ºC
B.- General storage conditions
Avoid heat sources, radiation, static electricity and contact with food. For further information see subsection 10.5

7.3. Specific end use(s)

Except for the instructions already specified it is not necessary to give any particular recommendation regarding the use of this product.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

EU	OEL EU	Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC.

N-butyl acetate

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	241	50	723	150	

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,18	mg/l
Normal value in marine water	0,018	mg/l
Normal value for fresh water sediment	0,981	mg/kg
Normal value for marine water sediment	0,098	mg/kg
Normal value for water, intermittent release	0,36	mg/l
Normal value of STP microorganisms	35,6	mg/l
Normal value for the terrestrial compartment	0,09	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		2 mg/kg		2 mg/kg				
Inhalation	300 mg/m3	300 mg/m3	35,7 mg/m3	35,7 mg/m3	600 mg/m3	600 mg/m3	300 mg/m3	300 mg/m3
Skin		6 mg/kg		6 mg/kg		11 mg/kg		11 mg/kg

SECTION 8. Exposure controls/personal protection ... / >>

Ethyl acetate

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	734	200	1468	400	

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,24	mg/l
Normal value in marine water	0,024	mg/l
Normal value for fresh water sediment	1,15	mg/kg
Normal value for marine water sediment	0,115	mg/kg
Normal value for water, intermittent release	1,65	mg/l
Normal value of STP microorganisms	650	mg/l
Normal value for the terrestrial compartment	0,148	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation	734 mg/m3	734 mg/m3	367 mg/m3	367 mg/m3	1468 mg/m3	1468 mg/m3	734 mg/m3	734 mg/m3
Skin								63 mg/kg

Ethanol

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,96	mg/l
Normal value in marine water	0,79	mg/l
Normal value for fresh water sediment	3,6	mg/kg
Normal value for marine water sediment	2,9	mg/kg
Normal value for water, intermittent release	2,75	mg/l
Normal value of STP microorganisms	580	mg/l
Normal value for the food chain (secondary poisoning)	0,38	g/kg
Normal value for the terrestrial compartment	0,63	mg/kg

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				87 mg/kg				
Inhalation				114 mg/m3				950 mg/m3
Skin				206 mg/kg				343 mg/kg

Phosphoric acid

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	1		2		

Health - Derived no-effect level - DNEL / DMEL

	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,1 mg/kg				
Inhalation			0,36 mg/m3	4,57 mg/m3	2 mg/m3		1 mg/m3	10,7 mg/m3

Legend:
(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = 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

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.
When choosing personal protective equipment, ask your chemical substance supplier for advice.
Personal protective equipment must be CE marked, showing that it complies with applicable standards.

SECTION 8. Exposure controls/personal protection ... / >>

Provide an emergency shower with face and eye wash station.
HAND PROTECTION
Protect hands with category III work gloves.
The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, failure time and permeability.
The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.
SKIN PROTECTION
Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.
Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.
EYE PROTECTION
Wear airtight protective goggles (see standard EN ISO 16321).
RESPIRATORY PROTECTION
Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).
If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.
ENVIRONMENTAL EXPOSURE CONTROLS
The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	Temperature: 20 °C
Colour	transparent	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	97 °C	Remark:at atmospheric pressure
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	14 °C	
Auto-ignition temperature	399 °C	
Decomposition temperature	not available	
pH	not available	
Kinematic viscosity	not available	
Solubility	not available	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	6512 Pa	Temperature: 20 °C
Density and/or relative density	0,915	Temperature: 20 °C
Relative vapour density	not available	
Particle characteristics	not applicable	

Vapor pressure at 50 ºC: 26035.22 Pa (26.04 kPa)
Density at 20 ºC: 914.6 kg/m³

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

No dangerous reactions are expected because the product is stable under recommended storage conditions. See section 7 of the safety data sheet.

10.2. Chemical stability

Chemically stable under indicated storage, handling and use conditions.

10.3. Possibility of hazardous reactions

Under the specified conditions, dangerous reactions leading to excessive temperatures or pressures are not expected.

10.4. Conditions to avoid

Applicable for handling and storage at room temperature:
Temperature increase: risk of combustion
Sunlight: Avoid direct impact

10.5. Incompatible materials

Acids: Avoid strong acids
Oxidizing materials: avoid direct impact
Other: Avoid alkalis or strong bases

10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 for specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:	Not classified (no significant component)
ATE (Oral) of the mixture:	Not classified (no significant component)
ATE (Dermal) of the mixture:	Not classified (no significant component)

N-butyl acetate

LD50 (Dermal):	14112 mg/kg rabbit
LD50 (Oral):	12789 mg/kg rat
LC50 (Inhalation mists/powders):	23,4 mg/l/4h rat

SECTION 11. Toxicological information ... / >>

Ethyl acetate
LD50 (Dermal): 20000 mg/kg Rabbit
LD50 (Oral): 4100 mg/kg Rat

Ethanol
LD50 (Dermal): 20000 mg/kg rabbit
LD50 (Oral): 6200 mg/kg rat
LC50 (Inhalation mists/powders): 124,7 mg/l/4h rat

Phosphoric acid
LD50 (Dermal): 2470 mg/kg rabbit
LD50 (Oral): 3500 mg/kg rat

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

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

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

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

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Ethanol
Acute toxicity
Concentration: EC50 1450 mg/L (192 hours)
Species: Microcystis aeruginosa
Genus: algae

SECTION 12. Ecological information ... / >>

N-butyl acetate

EC50 - for Algae / Aquatic Plants	675 mg/l/72h Scenedesmus subspicatus
Chronic NOEC for Crustacea	23,2 mg/l Daphnia magna

Ethyl acetate

LC50 - for Fish	230 mg/l/96h Pimephales promelas
EC50 - for Crustacea	717 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	3300 mg/l/72h Scenedesmus subspicatus
Chronic NOEC for Fish	9,65 mg/l Pimephales promelas
Chronic NOEC for Crustacea	2,4 mg/l Daphnia magna

Ethanol

LC50 - for Fish	11000 mg/l/96h Alburnus alburnus
EC50 - for Crustacea	9268 mg/l/48h Daphnia magna
Chronic NOEC for Fish	250 mg/l Danio rerio
Chronic NOEC for Crustacea	2 mg/l Ceriodaphnia dubia

12.2. Persistence and degradability

N-butyl acetate
Biodegradability
Period: 5 days
% Biodegradable: 89%

Ethanol
Biodegradability
Concentration: 100 mg/l
Period: 14 days
% Biodegradable: 89%

12.3. Bioaccumulative potential

N-butyl acetate
Potential: low

Ethanol
Potential: low

N-butyl acetate

Partition coefficient: n-octanol/water	1,78
BCF	4

Ethyl acetate

BCF	30 Moderate

Ethanol

Partition coefficient: n-octanol/water	-0,31
BCF	3

12.4. Mobility in soil

N-butyl acetate
Surface tension: 2.478E-2 N/m (25 ºC)

Ethanol
Absorption/desorption
Koc: 1
Conclusion: very high
Surface tension: 2.339E-2 N/m (25 ºC)

Volatility
Henry: 4.61E-1 Pa·m³/mol
Dry ground: yes
Moist soil: yes

12.5. Results of PBT and vPvB assessment

SECTION 12. Ecological information ... / >>

On the basis of available data, the product does not contain any PBT or vPvB in percentage ≥ than 0,1%.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.
Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.
Waste transportation may be subject to ADR restrictions.
CONTAMINATED PACKAGING
Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 1993

14.2. UN proper shipping name

ADR / RID: FLAMMABLE LIQUID, N.O.S.
IMDG: FLAMMABLE LIQUID, N.O.S.
IATA: FLAMMABLE LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR / RID:	Class: 3	Label: 3
IMDG:	Class: 3	Label: 3
IATA:	Class: 3	Label: 3

14.4. Packing group

ADR / RID, IMDG, IATA: II

14.5. Environmental hazards

ADR / RID: NO
IMDG: NO
IATA: NO

14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 33	Limited Quantities: 1 L	Tunnel restriction code: (D/E)
	Special provision: 274, 601, 640(C-D)		
IMDG:	EMS: F-E, S-E	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 60 L	Packaging instructions: 364
	Passengers:	Maximum quantity: 5 L	Packaging instructions: 353
	Special provision:	A3	

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EU: P5c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
Product
Point 3 - 40
Contained substance
Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors
not applicable

Substances in Candidate List (Art. 59 REACH)
On the basis of available data, the product does not contain any SVHC in percentage ≥ than 0,1%.

Substances subject to authorisation (Annex XIV REACH)
None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:
None

Substances subject to the Rotterdam Convention:
None

Substances subject to the Stockholm Convention:
None

Healthcare controls
Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Skin Corr. 1B	Skin corrosion, category 1B
Eye Irrit. 2	Eye irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation

SECTION 16. Other information ... / >>

- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier 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: Regulation concerning the international transport of dangerous goods by train
- 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 Compounds
- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
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 (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
22. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP)
23. Delegated Regulation (UE) 2023/707

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:
The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.
This document must not be regarded as a guarantee on any specific product property.
The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.
Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION
Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.
Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.