## NAUTICOLLE 24 PU HYPALON - BASE - RP074304

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# SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

## SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : NAUTICOLLE 24 PU HYPALON - BASE Product code : RP074304.

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

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

Registered company name : SOROMAP PEINTURES VERNIS. Address : 1, RUE MAURICE MALLET Z.I. DE BELIGON.17300.ROCHEFORT SUR MER.FRANCE. Telephone : 05.46.88.36.10. Fax : 05.46.88.36.15. contact@soromap.com www.soromap.com

## 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA http://www.centres-antipoison.net.

## SECTION 2 : HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

## In compliance with EC regulation No. 1272/2008 and its amendments.

Flammable liquid, Category 2 (Flam. Liq. 2, H225).

Skin irritation, Category 2 (Skin Irrit. 2, H315).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

May produce an allergic reaction (EUH208).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

Hazardous to the aquatic environment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).

## 2.2. Label elements

### In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :





GHS07GHS09GHS02Signal Word :DANGERProduct identifiers :EC 200-662-2ACETONEEC 921-024-6HYDROCARBONS, C6-C7EC 201-159-0BUTANONEAdditional labeling :EUH208Contains ROSIN. May produce an allergic reaction.EUH208Contains ORANGE, SWEET, EXT.. May produce an allergic reaction.

- Made under licence of European Label System® MSDS software from InfoDyne - http://www.infodyne.fr -

Highly flammable liquid and vapour.
Causes skin irritation.
Causes serious eye irritation.
May cause drowsiness or dizziness.
Toxic to aquatic life with long lasting effects.
If medical advice is needed, have product container or label at hand.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
IF ON SKIN: Wash with plenty of water/
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Dispose of contents/container by approved organization
This product is not to be used for carpet laying.
This product is not to be used under conditions ofpoor ventilation.

## 2.3. Other hazards

The mixture contains substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

## N/A

## SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

## 3.2. Mixtures

Composition :			
Identification	(EC) 1272/2008	Note	%
CAS: 67-64-1	GHS07, GHS02	[1]	$25 \le x \% < 50$
EC: 200-662-2	Dgr		
REACH: 01-2119471330-49	Flam. Liq. 2, H225		
	Eye Irrit. 2, H319		
ACETONE	STOT SE 3, H336		
EC: 921-024-6	GHS07, GHS09, GHS08, GHS02	Р	$25 \le x \% \le 50$
REACH: 01-2119475514-35	Dgr		
	Flam. Liq. 2, H225		
HYDROCARBONS, C6-C7	Asp. Tox. 1, H304		
	Skin Irrit. 2, H315		
	STOT SE 3, H336		
	Aquatic Chronic 2, H411		
CAS: 78-93-3	GHS07, GHS02	[1]	$10 \le x \% \le 25$
EC: 201-159-0	Dgr		
REACH: 01-2119457290-43-xxxx	Flam. Liq. 2, H225		
	Eye Irrit. 2, H319		
BUTANONE	STOT SE 3, H336		
CAS: 110-54-3	GHS07, GHS09, GHS08	[1]	$0 \le x \% \le 2.5$
EC: 203-777-6	Dgr	[2]	
REACH: 01-2119474209-33	Asp. Tox. 1, H304		
	Skin Irrit. 2, H315		
N-HEXANE	STOT SE 3, H336		
	Repr. 2, H361f		
	STOT RE 2, H373		
	Aquatic Chronic 2, H411		

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INDEX: 650-015-00-7	GHS07	[1]	$0 \le x \% \le 2.5$
CAS: 8050-09-7	Wng		
EC: 232-475-7	Skin Sens. 1, H317		
REACH: 01-2119480418-32-0021			
ROSIN			
CAS: 8028-48-6	GHS07, GHS09, GHS08, GHS02		$0 \le x \% \le 2.5$
EC: 232-433-8	Dgr		
REACH: 01-2119493353-35	Flam. Liq. 3, H226		
	Asp. Tox. 1, H304		
ORANGE, SWEET, EXT.	Skin Irrit. 2, H315		
· · ·	Skin Sens. 1, H317		
	Aquatic Acute 1, H400		
	M Acute = 1		
	Aquatic Chronic 1, H410		
	M Chronic = 1		
CAS: 25973-55-1	GHS08	[6]	$0 \le x \% \le 2.5$
EC: 247-384-8	Wng		
REACH: 01-2119955688-17	STOT RE 2, H373		
	Aquatic Chronic 4, H413		
2-(2H-BENZOTRIAZOL-2-YL)-4,6-DITI NTYLPHENOL			

(Full text of H-phrases: see section 16)

#### Information on ingredients :

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

[6] Substances of very high concern (SVHC).

Note P: The carcinogen or mutagen classification does not apply because the substance contains less than 0.1 % w/w of benzene (EINECS 200-753-7).

N/A

### SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

#### 4.1. Description of first aid measures

#### In the event of exposure by inhalation :

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of an allergic reaction, seek medical attention.

#### In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

#### In the event of splashes or contact with skin :

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

#### In the event of swallowing :

Do not give the patient anything orally.

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor. Keep the person exposed at rest. Do not force vomiting.

Seek medical attention immediately, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

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

No data available.

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

No data available.

## **SECTION 5 : FIREFIGHTING MEASURES**

## Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

#### 5.1. Extinguishing media

Keep packages near the fire cool, to prevent pressurised containers from bursting.

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist

- water with AFFF (Aqueous Film Forming Foam) additive
- halon
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO2)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

#### Unsuitable methods of extinction

In the event of a fire, do not use :

- water jet

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

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO2)

#### 5.3. Advice for firefighters

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

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

Consult the safety measures listed under headings 7 and 8.

#### For non first aid worker

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

#### Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

#### For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

#### 6.2. Environmental precautions

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

## 6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

#### 6.4. Reference to other sections

No data available.

## SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

#### 7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

#### Fire prevention :

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Prevent the accumulation of electrostatic charges with connections to earth.

The mixture can become electrostatically charged : always earth during decanting operations. Wear antistatic shoes and clothing and floors should be electrically conductive.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected. Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

#### **Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

#### Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

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

No data available.

#### Storage

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

Avoid accumulation of electrostatic charges.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

N/A

N/A

#### Packaging

Always keep in packaging made of an identical material to the original.

#### 7.3. Specific end use(s)

No data available.

## SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1. Control parameters

#### **Occupational exposure limits :**

- European Union (2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3:	VME-ppm :	VLE-mg/m3:	VLE-ppm :	Notes :
67-64-1	1210	500	-	-	-
78-93-3	600	200	900	300	-
110-54-3	72	20	-	-	-
- Germany - AGW (	BAuA - TRGS	900, 29/01/2018	3):		
CAS	VME :	VME :	Excess	Notes	
67-64-1		500 ppm		2(I)	
		1200 mg/m <sup>3</sup>			
78-93-3		200 ppm		1(I)	
		600 mg/m <sup>3</sup>			
110-54-3		50 ppm		8(II)	]
		180 mg/m <sup>3</sup>			
E (DIDG EE	004 0010				-

- France (INRS - ED984 :2016) : CAS VME-mg/m3 · VLE-npm · VLE-mg/m3 · Notes · VME nn

Trance (ITARD EI	20101.2010).					
CAS	VME-ppm :	VME-mg/m3:	VLE-ppm :	VLE-mg/m3:	Notes :	TMP No :
67-64-1	500	1210	1000	2420	-	84
78-93-3	200	600	300	900	*	84
110-54-3	20	72	-	-	R3	59, 84
8050-09-7	-	0.1	-	-	-	65.66

## - UK / WEL (Workplace exposure limits, EH40/2005, 2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-64-1	500 ppm	1500 ppm			
	1210 mg/m <sup>3</sup>	3620 mg/m <sup>3</sup>			
78-93-3	200 ppm	300 ppm		Sk, BMGV	
	600 mg/m <sup>3</sup>	899 mg/m <sup>3</sup>			
110-54-3	20 ppm	- ppm			
	$72 \text{ mg/m}^3$	- mg/m <sup>3</sup>			
8050-09-7	0,05 ppm	0,15 ppm		Sen	
	- mg/m <sup>3</sup>				

#### Derived no effect level (DNEL) or derived minimum effect level (DMEL):

N-HEXANE (CAS: 110-54-3)

Final use: Exposure method: Potential health effects: DNEL:

BUTANONE (CAS: 78-93-3) Final use:

Exposure method: Potential health effects: DNEL:

## HYDROCARBONS, C6-C7

Final use: Exposure method: Potential health effects: DNEL:

ACETONE (CAS: 67-64-1)

#### Workers.

Inhalation. Long term systemic effects. 75 mg of substance/m3

#### Workers.

Inhalation. Long term systemic effects. 600 mg of substance/m3

## Workers.

Inhalation. Long term systemic effects. 2035 mg of substance/m3

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#### Final use:

Exposure method: Potential health effects: DNEL : Workers. Inhalation. Long term systemic effects. 1210 mg of substance/m3

#### 8.2. Exposure controls

#### Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

#### - Eye / face protection

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

#### - Hand protection

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN374.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVA (Polyvinyl alcohol)

- Butyl Rubber (Isobutylene-isoprene copolymer)

Recommended properties :

- Impervious gloves in accordance with standard EN374

#### - Body protection

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

#### - Respiratory protection

Avoid breathing vapours.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

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## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties	
General information :	
Physical state :	Viscous liquid.
colour	N/A
Important health, safety and environmental information	
pH :	Not relevant.
Boiling point/boiling range :	> 35°C
Flash Point :	-21.00 °C.
Explosive properties, lower explosivity limit (%) :	0.6 Vol %
Explosive properties, upper explosivity limit (%) :	13.0 Vol %
Vapour pressure (50°C) :	Below 110 kPa (1.10 bar).
Density :	0.84 g/cm3
Water solubility :	Partially soluble.
Viscosity :	1860 mPa.s à 20 °C
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
% VOC :	76.8%
9.2. Other information	
VOC (g/l) :	644.8

## SECTION 10 : STABILITY AND REACTIVITY

#### 10.1. Reactivity

No data available.

#### 10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

#### **10.3.** Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

#### 10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- accumulation of electrostatic charges.

- heating
- heat

- flames and hot surfaces

10.5. Incompatible materials

#### 10.6. Hazardous decomposition products

N/A

#### SECTION 11 : TOXICOLOGICAL INFORMATION

#### 11.1. Information on toxicological effects

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system. Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

May cause irreversible damage to the skin; namely inflammation of the skin or the formation of erythema and eschar or oedema following exposure up to four hours.

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Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days. Splashes in the eyes may cause irritation and reversible damage

Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness. Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory

Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

## 11.1.1. Substances

#### Acute toxicity :

BUTANONE (CAS: 78-93-3) Oral route :

Dermal route :

LD50 = 13000 mg/kg Species : Rabbit

LC50 = 40 mg/l Species : Mouse

LD50 = 2500 mg/kg

Species : Rat

Inhalation route (Vapours) :

ACETONE (CAS: 67-64-1) Oral route :

Dermal route :

LD50 = 5800 mg/kg Species : Rat

Duration of exposure : 4 h

LD50 = 20000 mg/kg Species : Rabbit

#### 11.1.2. Mixture

Skin corrosion/skin irritation : N/A Serious damage to eyes/eye irritation : N/A Respiratory or skin sensitisation : Contains at least one sensitising substance. May cause an allergic reaction.

Symptoms related to the physical, chemical and toxicological characteristics

N/A

## SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

## 12.1. Toxicity

#### 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

#### 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

#### No data available.

#### 12.6. Other adverse effects

No data available.

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#### German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

#### 13.1. Waste treatment methods

Do not pour into drains or waterways.

#### Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

### Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

## SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2017 - IMDG 2016 - ICAO/IATA 2017).

#### 14.1. UN number

1133

## 14.2. UN proper shipping name

UN1133=ADHESIVES containing flammable liquid

#### 14.3. Transport hazard class(es)

#### - Classification :



3

## 14.4. Packing group

Π

## 14.5. Environmental hazards

- Environmentally hazardous material :



## 14.6. Special precautions for user

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	3	F1	II	3	33	5 L	640D	E2	2	D/E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ			
	3	-	II	5 L	F-E,S-D	-	E2			
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	3	-	II	353	5 L	364	60 L	A3	E2	
	3	-	II	Y341	1 L	-	-	A3	E2	

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

# 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code No data available.

#### SECTION 15 : REGULATORY INFORMATION

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

#### - Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2017/776 (ATP 10)

#### - Container information:

Containers to be fitted with a tactile warning of danger (see EC Regulation No. 1272/2008, Annex II, Part 3).

- Particular provisions :
- No data available.

#### - German regulations concerning the classification of hazards for water (WGK) :

WGK 1 (VwVwS vom 27/07/2005, KBws) : Slightly hazardous for water.

#### 15.2. Chemical safety assessment

No data available.

#### **SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

#### Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H361f	Suspected of damaging fertility.
H373	May cause damage to organs through prolonged or repeated exposure .
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

#### Abbreviations :

DNEL : Derived No-Effect Level

CMR: Carcinogenic, mutagenic or reprotoxic.

- ADR : European agreement concerning the international carriage of dangerous goods by Road.
- IMDG : International Maritime Dangerous Goods.
- IATA : International Air Transport Association.
- ICAO : International Civil Aviation Organisation
- RID : Regulations concerning the International carriage of Dangerous goods by rail.
- WGK : Wassergefahrdungsklasse (Water Hazard Class).
- GHS02 : Flame
- GHS07 : Exclamation mark
- GHS09 : Environment
- PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable. SVHC : Substances of very high concern.