# THRAKON S.A. Revision nr. 4 Dated 17/07/2020 Printed on 17/07/2020 Page n. 1/15 Replaced revision:3 (Dated: 20/08/2012)

# **Safety Data Sheet**

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Product name CARMYDUR

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

Intended use Hardener for adhesives.

1.3. Details of the supplier of the safety data sheet

Name THRAKON S.A.

Full address FACTORY: P.O. BOX. 57A
District and Country 320-11 INOFYTA (VIOTIA)

GREECE

Tel. 00302262032970 Fax 00302262056020

e-mail address of the competent person

responsible for the Safety Data Sheet a.antoniou@thrakon.gr

1.4. Emergency telephone number

For urgent inquiries refer to **00302262032970** 

Poison center line : 00302107793777

#### **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 2015/830.

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.

Respiratory sensitization, category 1 H334 May cause allergy or asthma symptoms or breathing

difficulties if inhaled.

Skin sensitization, category 1 H317 May cause an allergic skin reaction. 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.

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#### Hazard pictograms:







Signal words:

Danger

#### Hazard statements:

H225 Highly flammable liquid and vapour.H319 Causes serious eye irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.

**EUH066** Repeated exposure may cause skin dryness or cracking. **EUH204** Contains isocyanates. May produce an allergic reaction.

#### Precautionary statements:

P501 Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

P102 Keep out of reach of children.

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

P280 Wear protective gloves/ protective clothing / eye protection / face protection.
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER / doctor.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P271 Use only outdoors or in a well-ventilated area.

P101 If medical advice is needed, have product container or label at hand.

P260 Do not breathe dust / fume / gas / mist / vapours / spray.

Contains: Di-isocyanatotoluene (mixture of isomers)

aromatic polyisocyanate aromatic polyisocyanate

ethyl acetate

#### 2.3. Other hazards

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

# **SECTION 3. Composition/information on ingredients**

#### 3.2. Mixtures

#### Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

ethyl acetate

CAS 141-78-6 62 Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066

x < 66

EC 205-500-4

INDEX 607-022-00-5

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Reg. no. 01-2119475103-46-0017

aromatic polyisocyanate

CAS 9017-01-0 24 Skin Sens. 1B H317

x < 25,5

EC

INDEX -

Reg. no. 01-2119950331-47-0000

aromatic polyisocyanate

CAS 26006-20-2 9 Eye Irrit. 2 H319, Skin Sens. 1 H317

x < 10,5

EC

INDEX -

Di-isocyanatotoluene (mixture of

isomers)

CAS 26471-62-5 0,4 Carc. 2 H351, Acute Tox. 1 H330, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Resp. Sens. 1 H334, Skin Sens. 1 H317, Aquatic Chronic 3 H412

EC 247-722-4

INDEX 615-006-00-4

Reg. no. 01-2119454791-34-0001

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

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

# **SECTION 5. Firefighting measures**

#### 5.1. Extinguishing media

#### SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

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#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

#### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

#### **SECTION 6. Accidental release measures**

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

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

#### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

# **SECTION 7. Handling and storage**

#### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

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

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

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# 7.3. Specific end use(s)

Information not available

# **SECTION 8. Exposure controls/personal protection**

### 8.1. Control parameters

ethyl acetate	d' DNEO							
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				0,26	mg	/I	·	
Normal value in marine water			0,026	mg/l				
Normal value for fresh water	sediment			125	mg	/kg		
Normal value for marine water sediment			0,125	mg	/kg			
Normal value for water, intermittent release			1,65	mg	/I			
Normal value of STP microor	rganisms			650	mg/l			
Normal value for the food cha	ain (secondary poison	ing)		200	mg	/kg		
Normal value for the terrestri	al compartment			0,24	mg	/kg		
Health - Derived no-effe	ct level - DNEL / D	MEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral	<u>.</u>	<u> </u>		systemic 4,5 mg/kg	•	systemic	<u>.</u>	systemic
Inhalation	734 mg/m3	734 mg/m3	367 mg/m3	bw/d 367 mg/m3	1468 mg/m3	1468 mg/m3	734 mg/m3	734 mg/m3
Skin		704 mg/mo	307 mg/ms	37 mg/kg bw/d	1400 mg/m3	1400 mg/m3	7 04 mg/m3	63 mg/kg bw/d
aromatic polyisocyanat								
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				0,1	mg	/I		
Normal value in marine wate	r			0,01	mg	/I		
Normal value for fresh water	sediment			3302	mg	/kg	٠	
Normal value for marine water	er sediment			330	mg	/kg	÷	
Normal value for water, inter	mittent release			0,1	mg	/I		
	raanieme			0,1	mg	/I		
Normal value of STP microor	gariisiris					/ka		
				658	mg	/kg		
Normal value of STP microor Normal value for the terrestri	al compartment  ect level - DNEL / D  Effects on	MEL		658	Effects on	/kg		
Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure	al compartment	MEL  Acute systemic	Chronic local	658  Chronic systemic		Acute systemic	Chronic local	Chronic systemic
Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Inhalation	al compartment  ect level - DNEL / D  Effects on  consumers  Acute local		Chronic local	Chronic	Effects on workers	Acute	Chronic local	systemic
Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Inhalation aromatic polyisocyanat	al compartment  cct level - DNEL / D  Effects on  consumers  Acute local		Chronic local	Chronic	Effects on workers	Acute	Chronic local	
Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Inhalation aromatic polyisocyanat Predicted no-effect concentra	al compartment  cct level - DNEL / D  Effects on  consumers  Acute local		Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	systemic
Normal value of STP microor Normal value for the terrestri Health - Derived no-effe Route of exposure Inhalation aromatic polyisocyanat Predicted no-effect concentra Normal value in fresh water	al compartment  cct level - DNEL / D  Effects on  consumers  Acute local  cet  det  Acute local		Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	systemic
Normal value of STP microor Normal value for the terrestri Health - Derived no-effe	al compartment  cct level - DNEL / D  Effects on  consumers  Acute local  cet  det  Acute local		Chronic local	Chronic systemic	Effects on workers Acute local	Acute systemic	Chronic local	systemic

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Normal value for marine water sediment	330	mg/kg	
Normal value for water, intermittent release	0,1	mg/l	<del>.</del>
Normal value of STP microorganisms	0,1	mg/l	·
Normal value for the terrestrial compartment	658	mg/kg	

Health - Derived no-effe	oct level - DNEL / D	MEI						
Health - Delived no-end		INICL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Inhalation	<del>,</del>	•	•		•	•		0,345 mg/m3

Di-isocyanatotoluene (mixture of isomers)			
Predicted no-effect concentration - PNEC			
Normal value in fresh water	0,013	mg/l	
Normal value in marine water	0,00125	mg/l	
Health - Derived no-effect level - DNEL / DMEL			

Health - Derived no-effect le	vel - DNEL / DN	ИEL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
				systemic		systemic		systemic
Inhalation			•	·	0,14 mg/m3	0,14 mg/m3	0,035 mg/m3	0,035 mg/m3

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

#### 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.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: 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 II 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 166).

# RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, wear a mask with a type AX filter, whose limit of use will be defined by the manufacturer (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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. The protection provided by masks is in any case limited.

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.

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#### **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

Appearance liquid Colour colourless

Odour characteristic of solvent

Odour threshold Not available Not available рΗ Melting point / freezing point Not available Initial boiling point > 35 °C Boiling range Not available < 23 °C Flash point Not available **Evaporation Rate** Flammability of solids and gases Not available Not available Lower inflammability limit Upper inflammability limit Not available Lower explosive limit Not available Not available Upper explosive limit Not available Vapour pressure Vapour density Not available Relative density Not available Solubility insoluble in water Partition coefficient: n-octanol/water Not available Auto-ignition temperature Not available Not available Decomposition temperature Viscosity 3 mPas (20°C) Not available Explosive properties

#### 9.2. Other information

Information not available

Oxidising properties

# **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

Not available

ethyl acetate

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ethyl acetate

Incompatible with: acids,bases,strong oxidants,aluminium,nitrates,chlorosulphuric acid.Incompatible materials: plastic materials.

#### 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

# **SECTION 11. Toxicological information**

#### 11.1. Information on toxicological effects

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

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Information not available

#### **ACUTE TOXICITY**

LC50 (Inhalation) of the mixture:
> 20 mg/l
LD50 (Oral) of the mixture:
Not classified (no significant component)
LD50 (Dermal) of the mixture:
Not classified (no significant component)

aromatic polyisocyanate

LD50 (Oral) > 5000 mg/kg rat

LD50 (Dermal) > 1 mg/kg rat

LC50 (Inhalation) > 3665 mg/l/4h rat

aromatic polyisocyanate

LD50 (Oral) > 2000 mg/kg

LC50 (Inhalation) > 1839 mg/l/4h rat

Di-isocyanatotoluene (mixture of isomers)

LD50 (Oral) 5110 mg/kg rat, male

LD50 (Dermal) > 9400 mg/kg rabbit

LC50 (Inhalation) 0,107 mg/l/4h rat, male

ethyl acetate

LD50 (Oral) 10170 mg/kg rat, female

LD50 (Dermal) > 18000 mg/kg rabbit, male

LC50 (Inhalation) > 22,5 mg/l/6h rat

### SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

# SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

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#### RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Sensitising for the respiratory system

#### 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

# **SECTION 12. Ecological information**

#### 12.1. Toxicity

aromatic polyisocyanate

LC50 - for Fish > 100 mg/l/96h danio rerio (zebra fish)
EC50 - for Crustacea > 100 mg/l/48h daphnia magna

EC50 - for Algae / Aquatic Plants > 100 mg/l/72h desmodesmus subspicatus

Chronic NOEC for Algae / Aquatic Plants > 100 mg/l desmodesmus subspicatus

Di-isocyanatotoluene (mixture of isomers)

LC50 - for Fish 133 mg/l/96h Oncorhynchous mykiss
EC50 - for Crustacea 12,5 mg/l/48h daphnia magna
Chronic NOEC for Crustacea 1,1 mg/l daphnia magna, 21 d

ethyl acetate

LC50 - for Fish 230 mg/l/96h Pimephales promelas (fathead minnow)

EC50 - for Crustacea 165 mg/l/48h Daphnia cucullata

EC50 - for Algae / Aquatic Plants > 100 mg/l/72h Desmodesmus subspicatus (Green algae)

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Chronic NOEC for Crustacea

2,4 mg/l Daphnia magna (Water flea), 21 d

#### 12.2. Persistence and degradability

aromatic polyisocyanate NOT rapidly degradable

aromatic polyisocyanate NOT rapidly degradable

Di-isocyanatotoluene (mixture of isomers)

NOT rapidly degradable

ethyl acetate

Rapidly degradable

#### 12.3. Bioaccumulative potential

ethyl acetate

BCF 30

12.4. Mobility in soil

aromatic polyisocyanate

Partition coefficient: soil/water 5519

aromatic polyisocyanate

Partition coefficient: soil/water 5,519

#### 12.5. Results of PBT and vPvB assessment

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

#### 12.6. 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.

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#### 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

IATA:

ADR / RID, IMDG,

1866

#### 14.2. UN proper shipping name

ADR / RID: **RESIN SOLUTION RESIN SOLUTION** IMDG: IATA: **RESIN SOLUTION** 

#### 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, Ш

IATA:

IMDG:

IATA:

#### 14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

# 14.6. Special precautions for user

ADR / RID: HIN - Kemler: 33 Limited Quantities: 5 Tunnel restriction

code: (D/E)

EMS: F-E, <u>S-E</u>

Limited Quantities: 5

Cargo:

Special Provision: 640D

Maximum

quantity: 60 L

Packaging instructions: 364

Pass.:

Maximum quantity: 5 L Packaging instructions:

353

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Special Instructions:	А3	
.7. Transport in bulk according to Annex II of Marpol and the IBC Code		
formation not relevant		
SECTION 15. Regulatory information		
15.1. Safety, health and environmental regulations/legislation specific for the su	bstance or mixture	
eveso Category - Directive 2012/18/EC: P5c		
estrictions relating to the product or contained substances pursuant to Annex XVII to E	C D   4007/000	0

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the

<u>Product</u>

Point

None

None

None

None

Healthcare controls

Substances in Candidate List (Art. 59 REACH)

Substances subject to authorisation (Annex XIV REACH)

Substances subject to the Rotterdam Convention:

Substances subject to the Stockholm Convention:

15.2. Chemical safety assessment

**SECTION 16. Other information** 

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

3 - 40

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

workers' health and safety are modest and that the 98/24/EC directive is respected.

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

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

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Flam. Liq. 2 Flammable liquid, category 2
Carc. 2 Carcinogenicity, category 2
Acute Tox. 1 Acute toxicity, category 1
Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Resp. Sens. 1 Respiratory sensitization, category 1

Skin Sens. 1 Skin sensitization, category 1
Skin Sens. 1B Skin sensitization, category 1B

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H225 Highly flammable liquid and vapour.H351 Suspected of causing cancer.

H330 Fatal if inhaled.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH204 Contains isocyanates. May produce an allergic reaction.

#### LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 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
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 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 STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

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