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 : PAVACOLL 310

SDS n°1800b

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

1.3. Details of the supplier of the safety data sheet

Registered company name : SOPREMA .

Address : 14, Rue de Saint-Nazaire.67025.STRASBOURG.FRANCE.

Telephone : 03 88 79 84 00. Fax : 03 88 79 84 01.

sds@soprema.fr

www.soprema.com

1.4. Emergency telephone number : +44 (0)1 235 239 670.

Association/Organisation : CARECHEM 24 .

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

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

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

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

Respiratory sensitisation, Category 1 (Resp. Sens. 1, H334).

Skin sensitisation, Category 1 (Skin Sens. 1, H317).

Carcinogenicity, Category 2 (Carc. 2, H351).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H335).

Specific target organ toxicity (repeated exposure), Category 2 (STOT RE 2, H373).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

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

Hazard pictograms :

GHS07

GHS08

Signal Word :

DANGER

Product identifiers :

EC 905-806-4	MIXTURE OF 4-4'-METHYLENEDIPHENYL DIISOCYANATE AND O- (P-ISOCYANATEOBENZYL) PHENYL ISOCYANATE
EC 500-040-3	4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS
EC 202-966-0	4,4'-METHYLENEDIPHENYL DIISOCYANATE
EC 201-039-8	DIBUTYLTIN DILAURATE

Additional labeling :

EUH204	Contains isocyanates. May produce an allergic reaction.

Hazard statements :

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.

H351	Suspected of causing cancer .
H373	May cause damage to organs through prolonged or repeated exposure (if inhaled).
Precautionary statements - Prevention :	
P201	Obtain special instructions before use.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P284	[In case of inadequate ventilation] wear respiratory protection.
Precautionary statements - Response :	
P302 + P352	IF ON SKIN: Wash with plenty of water/...
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
Other information :	

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) >= 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.

As from 24 August 2023 adequate training is required before industrial or professional use.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Composition :

Identification	(EC) 1272/2008	Note	%
INDEX: SOP00251 EC: 905-806-4 REACH: 01-2119457015-45-xxxx MIXTURE OF 4-4'-METHYLENEDIPHENYL DIISOCYANATE AND O-(P-ISOCYANATEOBENZYL) PHENYL ISOCYANATE	GHS07, GHS08 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[2]	5 <= x % < 15
INDEX: SOP00248 CAS: 25686-28-6 EC: 500-040-3 REACH: 01-2119457013-49-xxxx 4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS	GHS07, GHS08 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	[2]	5 <= x % < 15
INDEX: 615_005_00CB CAS: 101-68-8 EC: 202-966-0 REACH: 01-2119457014-47-xxxx 4,4'-METHYLENEDIPHENYL DIISOCYANATE	GHS07, GHS08 Dgr Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 Resp. Sens. 1A, H334 STOT SE 3, H335 Carc. 2, H351 STOT RE 2, H373	C [1] [2]	5 <= x % < 10

INDEX: SOP00249 CAS: 108-32-7 EC: 203-572-1 REACH: 01-2119537232-48-xxxx PROPYLENE CARBONATE	GHS07 Wng Eye Irrit. 2, H319		1 <= x % < 5
INDEX: SOP00250 CAS: 77-58-7 EC: 201-039-8 REACH: 01-2119496068627-xxxx DIBUTYLTIN DILAURATE	GHS08, GHS05, GHS07 Dgr Skin Corr. 1C, H314 Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341 Repr. 1B, H360FD STOT SE 1, H370 STOT RE 1, H372 Aquatic Chronic 3, H412	[2]	0,1 <= x % < 0,25

(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.

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.

Seek medical attention immediately, showing the label.

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

Specific and immediate treatment :

In case of lung irritation, primary treatment with dexamethasone metered dose inhaler

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- carbon dioxide (CO2)
- powder
- sprayed water or water mist
- foam

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)
- nitrogen oxide (NO)
- hydrogen cyanide (HCN)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, 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

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

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Clean preferably with a detergent, do not use solvents.

Contaminated areas must be cleaned very quickly.

A possible decontaminant for flammable products may be : (expressed by volume) water (45 parts), ethanol or isopropanol (50 parts), concentrated ammonia (d-0.880) (5 parts). For non-flammable products: sodium carbonate (5 parts), water (95 parts).

This residue must be stored for disposal in compliance with current regulations (see section 13).

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.

Individuals with a history of asthma, allergies and/or chronic or periodical breathing difficulties should not, under any circumstances, use these mixtures.

Individuals with a history of skin sensitisation should not, under any circumstance, handle this mixture.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Fire prevention :

Handle in well-ventilated areas.

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.

Do not inhale vapours.

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.

Avoid exposure - obtain special instructions before use.

Prohibited equipment and procedures :

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

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

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

15°C - 25°C

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 :

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

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
101-68-8	0.02 mg/m3	0.07 mg/m3	-	-	-

- Ireland (Code of practice for the Chemical Agents Regulations, 2016) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
101-68-8	0.02 mg/m³	0.07 mg/m³			

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

PROPYLENE CARBONATE (CAS: 108-32-7)

Final use:	**Workers.**
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	20 mg/kg body weight/day

Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	20 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	70.56 mg of substance/m3

Final use: **Consumers.**

Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL :	10 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	10 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL :	17.4 mg of substance/m3
Exposure method:	Inhalation.
Potential health effects:	Long term local effects.
DNEL :	10 mg of substance/m3

Predicted no effect concentration (PNEC):

PROPYLENE CARBONATE (CAS: 108-32-7)

Environmental compartment:	Soil.
PNEC :	0.81
Environmental compartment:	Fresh water.
PNEC :	0.9 mg/l
Environmental compartment:	Sea water.
PNEC :	0.09 mg/l
Environmental compartment:	Intermittent waste water.
PNEC :	9 mg/l
Environmental compartment:	Waste water treatment plant.
PNEC :	7400

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

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

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 :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

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 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 :

- A2 (Brown)

Particle filter according to standard EN143 :

- P2 (White)

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

General information :

Physical state :	Paste.

Important health, safety and environmental information

pH :	Not relevant.
Boiling point/boiling range :	Not relevant.
Flash Point :	111.00 °C.
Vapour pressure (50°C) :	Not relevant.
Density :	1,54 (20 °C)
Water solubility :	Insoluble.
Melting point/melting range :	Not relevant.
Self-ignition temperature :	Not relevant.
Decomposition point/decomposition range :	Not relevant.

9.2. Other information

No data available.

SECTION 10 : STABILITY AND REACTIVITY

10.1. Reactivity

Keep away from oxidising agents and strongly acidic or basic materials to avoid exothermic reactions.

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.

The mixture can also release hydrogen cyanide, amines and alcohols.

10.4. Conditions to avoid

Avoid :

- humidity
- heat

10.5. Incompatible materials

Keep away from :

- acids
- bases
- amines
- alcohols
- water

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

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

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Respiratory tract irritation may occur, together with symptoms such as coughing, choking and breathing difficulties.

May cause hypersensitivity of the respiratory tracts with effects taking the form of asthma, rhinitis/conjunctivitis or alveolitis.

May cause an allergic reaction by skin contact.

Based on isocyanate properties and considering the toxicological data of similar mixtures, this preparation may cause irritations and/or sensitisations of the respiratory system.

It may therefore bring about asthma, respiratory difficulties and angina pectoris.

Those susceptible may display asthmatic symptoms when exposed to atmospheres with an isocyanate concentration well below those of the VLE : exposure limits.

Repeated exposure may cause permanent respiratory problems.

Suspected human carcinogen.

May cause severe damage to organs in the event of repeated or prolonged exposure.

11.1.1. Substances

Acute toxicity :

DIBUTYLTIN DILAURATE (CAS: 77-58-7)

Oral route :	LD50 = 2071 mg/kg Species : Rat OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg
Species : Rat
OECD Guideline 402 (Acute Dermal Toxicity)

PROPYLENE CARBONATE (CAS: 108-32-7)
Oral route : LD50 = 5000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Dermal route : LD50 > 2000 mg/kg
Species : Rabbit
OECD Guideline 402 (Acute Dermal Toxicity)

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)
Oral route : LD50 = 10000 mg/kg
Species : Rat

Dermal route : LD50 = 9400 mg/kg
Species : Rabbit

4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS (CAS: 25686-28-6)
Oral route : LD50 > 2000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

MIXTURE OF 4-4'-METHYLENEDIPHENYL DIISOCYANATE AND O- (P-ISOCYANATEOBENZYL) PHENYL ISOCYANATE
Oral route : LD50 > 10000 mg/kg
Species : Rat

Dermal route : LD50 > 9400 mg/kg
Species : Rabbit

Inhalation route (Dusts/mist) : LC50 = 0.49 mg/l
Species : Rat

Respiratory or skin sensitisation :

PROPYLENE CARBONATE (CAS: 108-32-7)
Guinea Pig Maximisation Test (GMPT) : Non-sensitiser.

DIBUTYLTIN DILAURATE (CAS: 77-58-7)
OECD Guideline 406 (Skin Sensitisation)

OECD Guideline 406 (Skin Sensitisation)

OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity :

PROPYLENE CARBONATE (CAS: 108-32-7)
Mutagenesis (in vitro) : Negative.
Species : Mammalian Cell Line
OECD Guideline 482 (Genetic Toxicology: DNA Damage and Repair, Unscheduled DNA Synthesis in Mammalian Cells In Vitro)

Carcinogenicity :

PROPYLENE CARBONATE (CAS: 108-32-7)

Carcinogenicity Test : Negative.
No carcinogenic effect.
Species : Mouse
OECD Guideline 451 (Carcinogenicity Studies)

Reproductive toxicant :

PROPYLENE CARBONATE (CAS: 108-32-7)

No toxic effect for reproduction

Study on fertility : Species : Rat
OECD Guideline 414 (Prenatal Developmental Toxicity Study)

11.1.2. Mixture

Acute toxicity :

Inhalation route (Dusts/mist) : No effect.
Duration of exposure : 4 h
LC50 >= 5 mg/l

Respiratory or skin sensitisation :

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

Contains isocyanates. May cause an allergic reaction.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

DIBUTYLTIN DILAURATE (CAS: 77-58-7)

Fish toxicity : LC50 > 199 mg/l
Species : Oncorhynchus mykiss
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 > 100 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity : ECr50 > 14 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)

Fish toxicity : LC50 > 1000 mg/l
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 1000 mg/l
Species : Daphnia magna
Duration of exposure : 24 h

NOEC > 10 mg/l
Species : Daphnia magna

Duration of exposure : 21 days

PROPYLENE CARBONATE (CAS: 108-32-7)

Fish toxicity : LC50 > 1000 mg/l
Species : Cyprinus carpio
Duration of exposure : 96 h

Crustacean toxicity : EC50 > 1000 mg/l
Species : Daphnia magna
Duration of exposure : 48 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity : ECr50 > 900 mg/l
Species : Desmodesmus subspicatus
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

NOEC = 900 mg/l
Duration of exposure : 72 h
OECD Guideline 201 (Alga, Growth Inhibition Test)

4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS (CAS: 25686-28-6)

Fish toxicity : LC50 > 1000 mg/l
Species : Brachydanio rerio
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : NOEC >= 10 mg/l
Species : Daphnia magna
Duration of exposure : 21 days
OECD Guideline 211 (Daphnia magna Reproduction Test)

MIXTURE OF 4-4'-METHYLENEDIPHENYL DIISOCYANATE AND O- (P-ISOCYANATEOBENZYL) PHENYL ISOCYANATE

Fish toxicity : LC50 > 1000 mg/l
Species : Brachydanio rerio
Duration of exposure : 96 h
OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity : EC50 > 1000 mg/l
Species : Daphnia magna
Duration of exposure : 24 h
OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

DIBUTYLTIN DILAURATE (CAS: 77-58-7)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

PROPYLENE CARBONATE (CAS: 108-32-7)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

4,4'-METHYLENEDIPHENYL DIISOCYANATE, OLIGOMERS (CAS: 25686-28-6)
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

MIXTURE OF 4-4'-METHYLENEDIPHENYL DIISOCYANATE AND O- (P-ISOCYANATEOBENZYL) PHENYL ISOCYANATE
Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

12.3.1. Substances

DIBUTYLTIN DILAURATE (CAS: 77-58-7)
Bioaccumulation : BCF = -

MIXTURE OF 4-4'-METHYLENEDIPHENYL DIISOCYANATE AND O- (P-ISOCYANATEOBENZYL) PHENYL ISOCYANATE
Bioaccumulation : BCF = 200

PROPYLENE CARBONATE (CAS: 108-32-7)
Octanol/water partition coefficient : log Koe = -0.48

4,4'-METHYLENEDIPHENYL DIISOCYANATE (CAS: 101-68-8)
Octanol/water partition coefficient : log Koe = 4.51

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.

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.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

08 04 09*

08 05 01*

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

-

14.2. UN proper shipping name

-

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

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. 2018/1480 (ATP 13)

- Container information:

No data available.

- Particular provisions :

No data available.

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 :

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects .
H351	Suspected of causing cancer .
H360FD	May damage fertility. May damage the unborn child.
H370	Causes damage to organs .

H372	Causes damage to organs through prolonged or repeated exposure .
H373	May cause damage to organs through prolonged or repeated exposure .
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
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).
GHS07 : Exclamation mark
GHS08 : Health hazard
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.