# SAFETY DATA SHEET

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

1.1. Product id			
	: EASY TEX		
Product code			
1.2. Relevant i	dentified uses of tl	the substance or mixture and uses advised against	
Protection pro	oduct	Fabric	
1.3. Details of	the supplier of the	e safety data sheet	
Registered co	mpany name : IPC	- SAS.	
Address : 10 d	uai MALBERT -	CS 71821 .29218.BREST Cedex 2.FRANCE.	
Telephone : 0	298809172. Fax	x : 0298442253.	
ipc@groupe-i	pc.com ww	ww.ipc-sa.com	
1.4. Emergenc	v telephone numb	per : +32 70 245 245.	
-		TIGIFCENTRUM .	
	AZARDS IDENTI		
2.1. Classificat	ion of the substan	nce or mixture	
In compliance	with EC regulation	on No. 1272/2008 and its amendments.	
	egory 1 (Aerosol 1,		
Skin irritation	n, Category 2 (Skin	n Irrit. 2, H315).	
Specific tora			
specific targe	et organ toxicity (sin	ingle exposure), Category 3 (STOT SE 3, H336).	
	•	ingle exposure), Category 3 (STOT SE 3, H336). nment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
	the aquatic enviror		
Hazardous to <b>2.2. Label elen</b>	the aquatic enviror	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a	the aquatic environ <b>nents</b> erosol application.	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a	the aquatic environ nents erosol application. with EC regulatio	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance	the aquatic environ nents erosol application. with EC regulatio	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance	the aquatic environ nents erosol application. with EC regulatio	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance	the aquatic environ nents erosol application. with EC regulatio	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elen Mixture for a In compliance Hazard pictog	the aquatic environ nents erosol application. with EC regulation grams :	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02	the aquatic environ nents erosol application. with EC regulation grams : GHS07	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word	the aquatic environ nents erosol application. with EC regulation grams : GHS07	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER	the aquatic environ nents erosol application. with EC regulation grams : GHS07	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers :	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	NE
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024-	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411).	NE.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024 Hazard stater	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments. GHS09 OCARBURES, C6-C7, N-ALCANES, ISOALCANES CYCLIQUES, < 5% N-HEXA	VE.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024- Hazard staten H222	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments. GHS09 OCARBURES, C6-C7, N-ALCANES, ISOALCANES CYCLIQUES, < 5% N-HEXA Extremely flammable aerosol.	NE.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024 Hazard stater H222 H229	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments. GHS09 OCARBURES, C6-C7, N-ALCANES, ISOALCANES CYCLIQUES, < 5% N-HEXA Extremely flammable aerosol. Pressurised container: May burst if heated.	NE.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024 Hazard stater H222 H229 H315	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments. GHS09 OCARBURES, C6-C7, N-ALCANES, ISOALCANES CYCLIQUES, < 5% N-HEXA Extremely flammable aerosol. Pressurised container: May burst if heated. Causes skin irritation.	NE.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024 Hazard stater H222 H229	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments.	NE.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024 Hazard staten H222 H229 H315 H336 H411	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 6 HYDRO nents :	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments.	٧E.
Hazardous to 2.2. Label elem Mixture for a In compliance Hazard pictog GHS02 Signal Word DANGER Product ident EC 921-024 Hazard staten H222 H229 H315 H336 H411	the aquatic environ nents erosol application. with EC regulation grams : GHS07 : ifiers : 5 HYDR0	onment - Chronic hazard, Category 2 (Aquatic Chronic 2, H411). on No. 1272/2008 and its amendments.	

P251	Do not pierce or burn, even after use.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary statements - Response :	
P302 + P352	IF ON SKIN: Wash with plenty of water/soap.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor//if you feel unwell.
P321	In case of visiting a doctor, show the MSDS.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
Precautionary statements - Storage :	
P405	Store locked up.
P410 + P412	Protect from sunlight. Do no expose to temperatures exceeding 50 $^{\circ}C/122$ $^{\circ}F$ .
Precautionary statements - Disposal :	
P501	Dispose of contents/container refering to the local regulation.

# 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.

# SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

# 3.2. Mixtures

Composition : Identification	(EC) 1272/2008	Note	%
INDEX: TX G AER 1	GHS07, GHS09, GHS08, GHS02		25 <= x % < 50
EC: 921-024-6	Dgr		
REACH: 01-2119475514-35	Flam. Liq. 2, H225		
	Asp. Tox. 1, H304		
HYDROCARBURES, C6-C7, N-ALCANES,	Skin Irrit. 2, H315		
ISOALCANES CYCLIQUES, < 5%	STOT SE 3, H336		
N-HEXANE.	Aquatic Chronic 2, H411		
INDEX: LRV.00224.1	GHS08		25 <= x % < 50
CAS: 64742-48-9	Dgr		
EC: 918-481-9	Asp. Tox. 1, H304		
REACH: 01-2119457273-39	EUH:066		
HYDRCARBURES, C10-C13, N-ALCANES,			
ISOALCANES, COMPOSES CYCLIQUES,			
SUBSTANCES AROMATIQUES <2%			
INDEX: 649-422-00-2	GHS08		1 <= x % < 2.5
CAS: 64742-47-8	Dgr		
EC: 265-149-8	Asp. Tox. 1, H304		
DISTILLATES (PETROLEUM), HYDRO-			
TREATED LIGHT			

INDEX: 601-037-00-0	GHS02, GHS08, GHS07, GHS09	[1]	0 <= x % < 1
CAS: 110-54-3	Dgr	[2]	
EC: 203-777-6	Flam. Liq. 2, H225		
	Repr. 2, H361f		
N-HEXANE	Asp. Tox. 1, H304		
	STOT RE 2, H373		
	Skin Irrit. 2, H315		
	STOT SE 3, H336		
	Aquatic Chronic 2, H411		

(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 splashes or contact with eyes :

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

# 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.

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.

# 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.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

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.

Do not breathe in aerosols.

Avoid inhaling vapors.

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.

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 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.

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.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°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 :

- 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 :

 110-54-3
 72
 20

110-34-3	12	20	-	-	-	j
- ACGIH TLV (Ame	erican Conferen	ce of Governme	ental Industrial I	Hygienists, Thre	eshold Limit Va	lues, 2010) :
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
110-54-3	50 ppm			Skin; BEI		

- Germany - AGW (BAuA - TRGS 900, 29/01/2018) :

Germany Mote (Brian Mob 900, 29/01/2010).				
CAS	VME :	VME :	Excess	Notes
110-54-3		50 ppm		8(II)
		180 mg/m <sup>3</sup>		

- France (INRS - ED984 :2016) :

CAS	VME-ppm :	VME-mg/m3 :	VLE-ppm :	VLE-mg/m3:	Notes :	TMP No :
110-54-3	20	72	-	-	R3	59, 84
- UK / WEL (Work	cplace exposure	limits, EH40/20	05, 2011) :			
CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :	
110-54-3	20 ppm	- ppm				
	72 mg/m <sup>3</sup>	- mg/m <sup>3</sup>				

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

HYDROCARBURES, C6-C7, N-ALCANES, ISOALCANES CYCLIQUES, < 5% N-HEXANE.

Final use:	Workers.
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	773 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL:	2035 mg of substance/m3
Final use:	Consumers.
Exposure method:	Ingestion.
Potential health effects:	Long term systemic effects.
DNEL:	699 mg/kg body weight/day
Exposure method:	Dermal contact.
Potential health effects:	Long term systemic effects.
DNEL :	699 mg/kg body weight/day
Exposure method:	Inhalation.
Potential health effects:	Long term systemic effects.
DNEL:	608 mg of substance/m3
21,22,	soo ing si substance/mb

# 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 in accordance with standard EN166.

# - 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 :
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))
- PVA (Polyvinyl alcohol)

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.

## Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149.

Category :

- FFP1

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

- A1 (Brown)

Particle filter according to standard EN143 :

- P1 (White)

# SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

## 9.1. Information on basic physical and chemical properties

General information :	
Physical state :	Fluid liquid.
	Spray.
Important health, safety and environmental information	
pH :	Not relevant.
Boiling point/boiling range :	Not specified.
Vapour pressure (50°C) :	Not relevant.
Density :	0.72
Water solubility :	Insoluble.
Viscosity:	v < 7 mm2/s (40°C)
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
Chemical combustion heat :	Not specified.
Inflammation time :	Not specified.
Deflagration density :	Not specified.
Inflammation distance :	Not specified.
Flame height :	Not specified.
Flame duration :	Not specified.

### 9.2. Other information

No data available.

# 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 :

- heating

- heat

# 10.5. Incompatible materials

No data available.

### 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**

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.

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.

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 disturbance.

### 11.1.1. Substances

Dermal route :

## Acute toxicity :

HYDRCARBURES, C10-C13, N-ALCANES, ISOALCANES, COMPOSES CYCLIQUES, SUBSTANCES AROMATIQUES <2% (CAS: 64742-48-9) Oral route : LD50 > 5000 mg/kg

LD50 > 5000 mg/kg
Species : Rat (recommended by the CLP)
OECD Guideline 401 (Acute Oral Toxicity)

LD50 > 5000 mg/kg Species : Rabbit (recommended by the CLP) OECD Guideline 402 (Acute Dermal Toxicity)

Inhalation route (n/a) :	LC50 > 4951 mg/m3
	Species : Rat (recommended by the CLP)
	OECD Guideline 403 (Acute Inhalation Toxicity)
HYDROCARBURES, C6-C7, N-ALCANES, ISO	DALCANES CYCLIQUES, < 5% N-HEXANE.
Oral route :	LD50 > 5840 mg/kg
	Species : Rat
Dermal route :	LD50 > 2920 mg/kg
	Species : Rat
Inhalation route (n/a) :	LC50 > 25200 mg/m3
	Species : Rat
Germ cell mutagenicity :	
	NAL CANES CVCLIQUES (50) N LIEVANE
HYDROCARBURES, C6-C7, N-ALCANES, ISC	No mutagenic effect.
Mutagenesis (in vivo) :	Negative.
Mutagenesis (in vitro) :	Negative.
Carcinogenicity :	
HYDRCARBURES, C10-C13, N-ALCANES, IS	OALCANES, COMPOSES CYCLIQUES, SUBSTANCES
AROMATIQUES <2% (CAS: 64742-48-9)	
Carcinogenicity Test :	Negative.
	No carcinogenic effect.
	OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
HYDROCARBURES, C6-C7, N-ALCANES, ISO	
Carcinogenicity Test :	Negative.
	No carcinogenic effect.
<b>Reproductive toxicant :</b>	
HYDRCARBURES, C10-C13, N-ALCANES, IS	OALCANES, COMPOSES CYCLIQUES, SUBSTANCES
AROMATIQUES <2% (CAS: 64742-48-9) No toxic effect for reproduction	
L L	OECD Guideline 414 (Prenatal Developmental Toxicity Study)
	OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
HYDROCARBURES, C6-C7, N-ALCANES, ISO	DALCANES CYCLIQUES, < 5% N-HEXANE.
No toxic effect for reproduction	
11.1.2. Mixture	

# 11.1.2. Mixture

No toxicological data available for the mixture.

# SECTION 12 : ECOLOGICAL INFORMATION

Toxic to aquatic life with long lasting effects. The product must not be allowed to run into drains or waterways.

<ul> <li>12.1. Toxicity</li> <li>12.1.1. Substances</li> <li>HYDRCARBURES, C10-C13, N-ALCANES, IS</li> <li>AROMATIQUES &lt;2% (CAS: 64742-48-9)</li> <li>Fish toxicity :</li> </ul>	OALCANES, COMPOSES CYCLIQUES, SUBSTANCES LC50 > 100 mg/l Species : Oncorhynchus mykiss Duration of exposure : 96 h
Crustacean toxicity :	EC50 > 100 mg/l Species : Daphnia magna Duration of exposure : 48 h
Algae toxicity :	ECr50 > 100 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h
HYDROCARBURES, C6-C7, N-ALCANES, ISO Fish toxicity :	DALCANES CYCLIQUES, < 5% N-HEXANE. LC50 = 11.4 mg/l Duration of exposure : 96 h OECD Guideline 203 (Fish, Acute Toxicity Test) NOEC = 2.04 mg/l Species : Oncorhynchus mykiss Duration of exposure : 28 days
Crustacean toxicity :	EC50 = 3 mg/l Duration of exposure : 48 h OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test) NOEC = 1 mg/l Species : Daphnia magna Duration of exposure : 21 days OECD Guideline 211 (Daphnia magna Reproduction Test)
Algae toxicity :	10 < ECr50 <= 100 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test) NOEC = 3 mg/l Species : Pseudokirchnerella subcapitata Duration of exposure : 72 h OECD Guideline 201 (Alga, Growth Inhibition Test)
12.1.2. Mixtures	

# 12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

# 12.2. Persistence and degradability

12.2.1. Substances

HYDRCARBURES, C10-C13, N-ALCANES, IS	OALCANES, COMPOSES CYCLIQUES, SUBSTANCES
AROMATIQUES <2% (CAS: 64742-48-9)	
Biodegradability :	no degradability data is available, the substance is considered as not degrading quickly.

#### HYDROCARBURES, C6-C7, N-ALCANES, ISOALCANES CYCLIQUES, < 5% N-HEXANE. Biodegradability : no degradability data is available, the substance

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

### 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.

# German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 3 : Extremely 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

1950

## 14.2. UN proper shipping name

UN1950=AEROSOLS, flammable

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

- Classification :



14.4. Packing group

-

## 14.5. Environmental hazards

- Environmentally hazardous material :



### 14.6. Special precautions for user

2 5E 2.1 1.L 100.227.244.625 E0 2	ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
2  2  3F  -  2.1  -  1L  190 327 344 023  E0  2		2	151	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ
	2	See SP63	-	See SP277	F-D,S-U	63 190 277 327	E0
						344 381 959	

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	203	75 kg	203	150 kg	A145	E0
							_	A167	
								A802	
	2.1	-	-	Y203	30 kg G	-	-	A145	E0
								A167	
								A802	

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:

- Directive 75/324/CEE modified by directive 2013/10/UE
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2018/1480 (ATP 13)
- Container information:
- No data available.

# - Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) : WGK 3 : Extremely 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.

Highly flammable liquid and vapour.
May be fatal if swallowed and enters airways.
Causes skin irritation.
May cause drowsiness or dizziness.
Suspected of damaging fertility.
May cause damage to organs through prolonged or repeated exposure .
Toxic to aquatic life with long lasting effects.
Repeated exposure may cause skin dryness or cracking.

# 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.