

Safety Data Sheet

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

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

1.1. Product identifier

Code: 700106
Product name: panel- glue-isocanale
Chemical name and synonym: Solvent-based polychloroprene adhesive

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

Intended use: Solvent-based polychloroprene adhesive.

Identified Uses	Industrial	Professional	Consumer
Uso industriale e professionale	✓	✓	-

1.3. Details of the supplier of the safety data sheet

Name: STIFERITE S.P.A.
Full address: V.le Navigazione Int., 54/5
District and Country: 35129 Padova
ITALIA
tel. 049 8997911
fax 049 774727

e-mail address of the competent person
responsible for the Safety Data Sheet

cert@stiferite.com

1.4. Emergency telephone number

For urgent inquiries refer to

+39 049 5290037 (orario ufficio lun-ven 8.00-12.00 13.00-17.00)
CAVp “
Osp. Pediatrico Bambino Gesù”
: Roma 06 68593726
Az. Osp. Univ. Foggia: Foggia 0881-732326
Az. Osp. "A. Cardarelli": Napoli 081-7472870
CAV Policlinico "Umberto I": Roma 06-49978000
CAV Policlinico "A. Gemelli": Roma 06-3054343
Az. Osp. "Careggi" U.O. Tossicologia Medica: Firenze 055-7947819
CAV Centro Nazionale di Informazione Tossicologica: Pavia 0382-24444
Osp. Niguarda Ca' Granda: Milano 02-66101029
Azienda Ospedaliera Papa Giovanni XXII: Bergamo 800883300

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

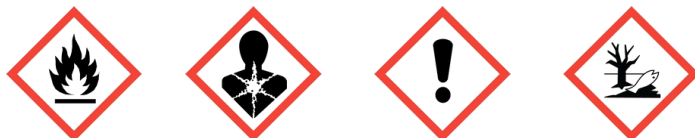
Hazard classification and indication:

Flammable liquid, category 2	H225	Highly flammable liquid and vapour.
Reproductive toxicity, category 2	H361d	Suspected of damaging the unborn child.
Eye irritation, category 2	H319	Causes serious eye irritation.
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.
Hazardous to the aquatic environment, chronic toxicity, category 2	H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms:



Signal words: Danger

Hazard statements:

H225	Highly flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H319	Causes serious eye irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Precautionary statements:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P370+P378	In case of fire: use . . . to extinguish.
P273	Avoid release to the environment.
P391	Collect spillage.
P261	Avoid breathing dust / fume / gas / mist / vapours / spray.

Contains: TOLUENE
Formaldehyde, polymer with 4-(1,1- dimethylethyl)phenol
IDROCARBURI, C6-C7,ISOALCANI, CICLICI, < 5% N-ESANO
ETHYL ACETATE
COLOPHONY

2.3. Other hazards

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

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

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
IDROCARBURI, C6-C7,ISOALCANI, CICLICI, < 5% N-ESANO		
INDEX -	$30 \leq x < 50$	Flam. Liq. 2 H225, Asp. Tox. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066
EC 926-605-8		
CAS -		
REACH Reg. 01-2119486291-36		
ETHYL ACETATE		
INDEX 607-022-00-5	$10 \leq x < 20$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 205-500-4		
CAS 141-78-6		
REACH Reg. 01-2119475103-46		
ACETONE		
INDEX 606-001-00-8	$5 \leq x < 10$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 200-662-2		
CAS 67-64-1		
REACH Reg. 01-2119471330-49		
ETHYL METHYL KETONE		
INDEX 606-002-00-3	$5 \leq x < 10$	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 201-159-0		
CAS 78-93-3		
REACH Reg. 01-2119475103-46		
Formaldehyde, polymer with 4-(1,1- dimethylethyl)phenol		

STIFERITE S.p.A.
Capitale Sociale € 7.737.000 i.v.
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P.IVA, C.F. 03647120280 - Società con unico socio soggetta
all'attività di direzione e coordinamento di F. Stimamiglio & C. S.p.A
Tel. 0498997911 – Fax 049774727
Reg. Imprese di Padova
R.E.A. 325913
Sito: www.stiferite.com

INDEX 1 ≤ x < 5 Skin Sens. 1 H317

EC -

CAS 25085-50-1

TOLUENE

INDEX 601-021-00-3 3 ≤ x < 5 Flam. Liq. 2 H225, Repr. 2 H361d, Asp. Tox. 1 H304, STOT RE 2 H373, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 3 H412

EC 203-625-9

CAS 108-88-3

REACH Reg. 01-2119471310-51

HEPTANE

INDEX - 2,5 ≤ x < 5 Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Aquatic Chronic 2 H411, Classification note according to Annex VI to the CLP Regulation: C

EC 927-510-4

CAS -

REACH Reg. 01-2119475515-33

COLOPHONY

INDEX 650-015-00-7 0 < x < 1 Skin Sens. 1 H317

EC 232-475-7

CAS 8050-09-7

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

IDROCARBURI, C6-C7, ISOALCANI, CICLICI, < 5% N-ESANO

IDROCARBURI, C6 - C7, ISOALCANI, CICLICI, <5% N-ESANO : Componenti pericolosi riportabili contenuti in UVCB- e/o sostanze multi-componenti che soddisfano i criteri di classificazione e/o con limiti di esposizione (OEL):

CICLOESANO CAS# 110-82-7 EC# 203-806-2 Concentr. 75%

Classificazione GHS/CLP: Aquatic Acute 1 H400 (M factor 1), Aquatic Chronic 1 H410 (M factor 1), Asp. Tox. 1 H304, Flam. Liq. 2 H225, STOT SE 3 H336, Skin Irrit. 2 H315

N-ESANO CAS# 110-54-3 EC# 203-777-6 Concentr. < 5%

Classificazione GHS/CLP: Aquatic Acute 2 H401], Aquatic Chronic 2 H411, Asp. Tox. 1 H304, Flam. Liq. 2 H225, Repr. 2 H361f, STOT SE 3 H336, Skin Irrit. 2 H315, STOT RE 2 H373

Questo materiale è definito come sostanza. IDROCARBURI, C6 - C7, ISOALCANI, CICLICI, <5% N-ESANO EC# 926-605-8 al 100%.

Nota: ogni informazione nella colonna EC# che inizia con in numero "9" è un EC# Provisional List Number (Numero Provvisorio di Lista) fornito da ECHA in attesa della pubblicazione dell'Inventario Europeo ufficiale per le sostanze. La seguente sostanza è identificata dal numero CAS sia nei paesi non soggetti alle Regolamentazioni REACH sia nelle Regolamentazioni non ancora aggiornate con le nuove nomenclature dei solventi idrocarburi. Idrocarburi, C6-C7, isoalcani, ciclici, <5% N-ESANO, n°CAS 92062-15-2

SECTION 4. First aid measures

4.1. Description of first aid measures

In case of doubt or in the presence of symptoms contact a doctor and show him this document.

In case of more severe symptoms, ask for immediate medical aid.

EYES: Remove, if present, contact lenses if the situation allows you to do so easily. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Take off immediately all contaminated clothing. Wash immediately and thoroughly with running water (and soap if possible). Get medical advice/attention. Avoid further contact with contaminated clothing.

INGESTION: Do not induce vomiting unless explicitly authorised by a doctor. Do not give anything by mouth to an unconscious person. Get medical advice/attention.

INHALATION: Remove victim to fresh air, away from the accident scene. In the event of respiratory symptoms (coughing, wheezing, breathing difficulty, asthma) keep the victim in a comfortable position for breathing. If necessary administer oxygen. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

Rescuer protection

It is good practice for rescuers lending support to a person who has been exposed to a chemical substance or to a mixture to wear personal protective equipment. The nature of such protection depends on the hazard level of the substance or mixture, on the type of exposure and on the extent of the contamination. In the absence of other more specific indications, use of disposable gloves in the event of possible contact with body fluids is recommended. For the type of PPE suitable for the characteristics of the substance or mixture, see section 8.

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

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

DELAYED EFFECTS: Based on the information currently available, there are no known cases of delayed effects following exposure to this product.

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

IF exposed or concerned: Get medical advice / attention.

Means to have available in the workplace for specific and immediate treatment

Running water for skin and eye wash.

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

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. 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.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory references:

DEU Deutschland

Forschungsgemeinschaft MAK- und BAT-Werte-Liste 2022 Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe Mitteilung 58

ESP	España	Límites de exposición profesional para agentes químicos en España 2023
FRA	France	
ITA	Italia	Valeurs limites d'exposition professionnelle aux agents chimiques en France Décret n° 2021-1849 du 28 décembre 2021
GBR	United Kingdom	
EU	TLV-ACGIH	Decreto Legislativo 9 Aprile 2008, n.81
	RCP TLV	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
		ACGIH 2023
		ACGIH TLVs and BEIs –
		Appendix H

IDROCARBURI, C6-C7,ISOALCANI, CICLICI, < 5% N-ESANO

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
RCP TLV		400	115			
Predicted no-effect concentration - PNEC						
Normal value in fresh water				VND		
Normal value in marine water				VND		
Normal value for fresh water sediment				VND		
Normal value for marine water sediment				VND		
Normal value for water, intermittent release				VND		
Normal value of STP microorganisms				VND		
Normal value for the food chain (secondary poisoning)				VND		
Normal value for the terrestrial compartment				VND		
Normal value for the atmosphere				VND		

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers			Effects on workers				
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		VND	VND	1301 mg/kg bw/d				
Inhalation	VND	VND	VND	1131 mg/m3	VND	VND	VND	5306 mg/m3
Skin	VND	VND	VND	1377 mg/kg bw/d	VND	VND	VND	13964 mg/kg bw/d

ETHYL ACETATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	730	200	1460	400	
MAK	DEU	750	200	1500	400	
VLA	ESP	734	200	1468	400	
VLEP	FRA	734	200	1468	400	
VLEP	ITA	734	200	1468	400	
WEL	GBR	734	200	1468	400	
OEL	EU	734	200	1468	400	
TLV-ACGIH		1441	400			
Predicted no-effect concentration - PNEC						
Normal value in fresh water				0,24	mg/l	
Normal value in marine water				0,024	mg/l	

Normal value for fresh water sediment	1,15	mg/kg
Normal value for marine water sediment	0,115	mg/kg
Normal value for water, intermittent release	1,65	mg/l
Normal value for the terrestrial compartment	0,148	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND		VND	4,5 mg/kg/d				
Inhalation	734 mg/m3	734 mg/m3	367 mg/m3	367 mg/m3	1468 mg/m3	1468 mg/m3	734 mg/m3	734 mg/m3
Skin	VND	VND	VND	37 mg/kg/d		VND	VND	63 mg/kg/d

ACETONE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	
AGW	DEU	1200	500	2400	1000
MAK	DEU	1200	500	2400	1000
VLA	ESP	1210	500		
VLEP	FRA	1210	500	2420	1000
VLEP	ITA	1210	500		
WEL	GBR	1210	500	3620	1500
OEL	EU	1210	500		
TLV-ACGIH			250		500

Predicted no-effect concentration - PNEC

Normal value in fresh water	106	mg/l
Normal value in marine water	1,06	mg/l
Normal value for fresh water sediment	30,4	mg/kg
Normal value for marine water sediment	3,04	mg/kg
Normal value for water, intermittent release	21	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	29,5	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	62 mg/kg/d				
Inhalation			VND	200 mg/m3	2420 mg/m3	1210 mg/m3		
Skin			VND	62 mg/kg/d			VND	186 mg/kg/d

ETHYL METHYL KETONE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	

AGW	DEU	600	200	600	200	SKIN
MAK	DEU	600	200	600	200	SKIN
VLA	ESP	600	200	900	300	
VLEP	FRA	600	200	900	300	SKIN
VLEP	ITA	600	200	900	300	
WEL	GBR	600	200	899	300	SKIN
OEL	EU	600	200	900	300	
TLV-ACGIH		590	200	885	300	

Predicted no-effect concentration - PNEC		
Normal value in fresh water		55,8 mg/l
Normal value in marine water		55,8 mg/l
Normal value for fresh water sediment		284,74 mg/kg
Normal value of STP microorganisms		709 mg/l
Normal value for the food chain (secondary poisoning)		1000 mg/kg
Normal value for the terrestrial compartment		22,5 mg/kg

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	31 mg/kg bw/d				
Inhalation			VND	106 mg/m3		VND		600 mg/m3
Skin			VND	412 mg/kg bw/d		VND		1161 mg/kg bw/d

TOLUENE Threshold Limit Value

Type	Country	TWA/8h	STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	
AGW	DEU	190	50	760	200 SKIN
MAK	DEU	190	50	380	100 SKIN
VLA	ESP	192	50	384	100 SKIN
VLEP	FRA	76,8	20	384	100 SKIN
VLEP	ITA	192	50		SKIN
WEL	GBR	191	50	384	100 SKIN
OEL	EU	192	50	384	100 SKIN
TLV-ACGIH			20		

Predicted no-effect concentration - PNEC		
Normal value in fresh water		0,68 mg/l
Normal value in marine water		0,68 mg/l
Normal value for fresh water sediment		16,39 mg/kg
Normal value for marine water sediment		16,39 mg/kg
Normal value for water, intermittent release		0,68 mg/l
Normal value of STP microorganisms		13,61 mg/l

Normal value for the terrestrial compartment 2,89 mg/kg

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	8,16 mg/kg bw/d				
Inhalation	VND	226 mg/m3	VND	56,5 mg/m3	VND	384 mg/m3		192 mg/m3
Skin			VND	226 mg/m3			VND	384 mg/m3

HEPTANE

Predicted no-effect concentration - PNEC

Normal value in fresh water	VND
Normal value in marine water	VND
Normal value for the terrestrial compartment	VND

Health - Derived no-effect level - DNEL / DMEL								
Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral	VND	149 mg/kg/d						
Inhalation			VND	447 mg/m3	VND	20825	VND	2085 mg/m3
Skin			VND	149 mg/kg/d			VND	300 mg/kg/d

COLOPHONY

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
			mg/m3	ppm
WEL	GBR	0,05	0,15	
TLV-ACGIH		0,001		

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

Protect hands with category III work gloves.

The following should be considered when choosing work glove material (see standard EN 374): compatibility, degradation, permeability time.

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 ISO 16321).

RESPIRATORY PROTECTION

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. Use a mask with a type AX filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387).

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	liquid	
Colour	yellow	
Odour	solvent	
Melting point / freezing point	not available	
Initial boiling point	> 35 °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	< 23 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	not available	
Kinematic viscosity	not available	

Dynamic viscosity	3500-4000	Temperature: 20 °C
Solubility	insoluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	not available	
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU)	77,84 %
VOC (volatile carbon)	58,58 %
vario	I dati di informazione sulle proprietà fisiche e chimiche non costituiscono specifica del prodotto

SECTION 10. Stability and reactivity

10.1. Reactivity

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

ETHYL ACETATE

Decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

ACETONE

Decomposes under the effect of heat.

ETHYL METHYL KETONE

Reacts with: light metals, strong oxidants. Attacks various types of plastic materials. Decomposes under the effect of heat.

TOLUENE

Avoid exposure to: light.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

IDROCARBURI, C6-C7, ISOALCANI, CICLICI, < 5% N-ESANO

CICLOESANO: pur essendo molto stabile, può reagire violentemente con gli ossidanti forti. Materiali incompatibili: gomma butilica e naturale, neoprene, pvc, polietilene.

ETHYL ACETATE

Risk of explosion on contact with: alkaline metals, hydrides, oleum. May react violently with: fluorine, strong oxidising agents, chlorosulphuric acid, potassium tert-butoxide. Forms explosive mixtures with: air.

ACETONE

Risk of explosion on contact with: bromine trifluoride, fluorine dioxide, hydrogen peroxide, nitrosyl chloride, 2-methyl-1,3 butadiene, nitromethane, nitrosyl perchlorate. May react dangerously with: potassium tert-butoxide, alkaline hydroxides, bromine, bromoform, isoprene, sodium, sulphur dioxide, chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxy monosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

ETHYL METHYL KETONE

May form peroxides with: air, light, strong oxidising agents. Risk of explosion on contact with: hydrogen peroxide, nitric acid, sulphuric acid. May react dangerously with: oxidising agents, trichloromethane, alkalis. Forms explosive mixtures with: air.

TOLUENE

Risk of explosion on contact with: fuming sulphuric acid, nitric acid, silver perchlorate, nitrogen dioxide, non-metal halogenates, acetic acid, organic nitrocompounds. May form explosive mixtures with: air. May react dangerously with: strong oxidising agents, strong acids, sulphur.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

ETHYL ACETATE

Avoid exposure to: light, sources of heat, naked flames.

ACETONE

Avoid exposure to: sources of heat, naked flames.

ETHYL METHYL KETONE

Avoid exposure to: sources of heat.

10.5. Incompatible materials

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ETHYL ACETATE



Incompatible with: acids,bases,strong oxidants,chlorosulphuric acid.

ACETONE

Incompatible with: acids,oxidising substances.

ETHYL METHYL KETONE

Incompatible with: strong oxidants,inorganic acids,ammonia,copper,chloroform.

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.

ACETONE

May develop: ketenes,irritant substances.

SECTION 11. Toxicological information

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

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

TOLUENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

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

TOLUENE

Toxic effect on the central and peripheral nervous system with encephalopathy and polyneuritis; irritating for the skin, conjunctiva, cornea and respiratory apparatus.

Interactive effects

TOLUENE

Certain drugs and other industrial products can interfere with the metabolism of the toluene.

ACUTE TOXICITY

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

IDROCARBURI, C6-C7, ISOALCANI, CICLICI, < 5% N-ESANO	
LD50 (Dermal):	> 3350 mg/kg rabbit
LD50 (Oral):	> 16750 mg/kg ratto
LC50 (Inhalation vapours):	> 73860 mg/l/4h ratto

ACETONE	
LD50 (Dermal):	7400 mg/kg rabbit
LD50 (Oral):	5800 mg/kg 24 h rat
LC50 (Inhalation vapours):	76 mg/l/4h rat

ETHYL METHYL KETONE	
LD50 (Dermal):	6480 mg/kg Rabbit
LD50 (Oral):	2737 mg/kg Rat
LC50 (Inhalation vapours):	23,5 mg/l/8h Rat

TOLUENE	
LD50 (Dermal):	12124 mg/kg Rabbit
LD50 (Oral):	5580 mg/kg Rat
LC50 (Inhalation vapours):	28,1 mg/l/4h Rat

HEPTANE	
LD50 (Dermal):	> 2000 mg/kg
LD50 (Oral):	> 5000 mg/kg
LC50 (Inhalation vapours):	> 23300 mg/m3

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

TOLUENE

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 1999).

The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

REPRODUCTIVE TOXICITY

Suspected of damaging the unborn child

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

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

SECTION 12. Ecological information

This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it has negative effects on the aquatic environment.

12.1. Toxicity

HEPTANE

LC50 - for Fish	> 13,4 mg/l/96h Onocorhynchus Mykiss
EC50 - for Crustacea	3 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	10 mg/l/72h Pseudokirchenella subcapitata
Chronic NOEC for Fish	1,534 mg/l 28 gg
Chronic NOEC for Crustacea	1 mg/l Dafnia-Daphnia magna- 21 gg

ACETONE

LC50 - for Fish	5540 mg/l/96h lepomis
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IDROCARBURI, C6-C7,ISOALCANI, CICLICI, < 5% N-ESANO

LC50 - for Fish	12 mg/l/96h onocorhynchus mykiss
EC50 - for Crustacea	17,06 mg/l/48h daphnia magna
EC50 - for Algae / Aquatic Plants	1,628 mg/l/72h pseudokirchneriella subcapitata
Chronic NOEC for Fish	2,187 mg/l oncorhynchus mykiss
Chronic NOEC for Crustacea	3,818 mg/l daphnia magna

12.2. Persistence and degradability

The paraffinic hydrocarbons fraction may be considered biodegradable in water and in air. They distribute mostly in the air. The small non biodegradable amount which spreads into water tends to accumulate in fish.

COLOPHONY

Solubility in water	0,1 - 100 mg/l
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Rapidly degradable
HEPTANE

Rapidly degradable
TOLUENE

Solubility in water 100 - 1000 mg/l

Rapidly degradable
ACETONE

Rapidly degradable
ETHYL METHYL KETONE

Solubility in water > 10000 mg/l

Rapidly degradable
ETHYL ACETATE

Solubility in water > 10000 mg/l

Rapidly degradable
IDROCARBURI, C6-C7,ISOALCANI,
CICLICI, < 5% N-ESANO
Rapidly degradable

12.3. Bioaccumulative potential

COLOPHONY

Partition coefficient: n-octanol/water 3
BCF 56,23

TOLUENE

Partition coefficient: n-octanol/water 2,73
BCF 90

ACETONE

Partition coefficient: n-octanol/water -0,23
BCF 3

ETHYL METHYL KETONE

Partition coefficient: n-octanol/water 0,3

ETHYL ACETATE

Partition coefficient: n-octanol/water 0,68
BCF 30

IDROCARBURI, C6-C7,ISOALCANI,
CICLICI, < 5% N-ESANO
Partition coefficient: n-octanol/water < 4

12.4. Mobility in soil

Information not available

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 \geq than 0,1%.

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number or ID number

ADR / RID, IMDG, IATA: UN 1133

14.2. UN proper shipping name

ADR / RID: ADHESIVES

IMDG: ADHESIVES

IATA: ADHESIVES

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

14.5. Environmental hazards

ADR / RID:	Environmentally Hazardous
IMDG:	Marine Pollutant
IATA:	NO



For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

14.6. Special precautions for user

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

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: P5c-E2

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product
Point 3 - 40

Contained substance

Point 75

Point 48 TOLUENE REACH Reg.: 01-
2119471310-51

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Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors



Regulated explosives precursor

The acquisition, introduction, possession or use of that regulated explosives precursor by members of the general public is subject to reporting obligations as set out in Article 9.

All suspicious transactions and significant disappearances and thefts must be reported to the relevant national contact point.

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

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

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances

IDROCARBURI, C6-C7, ISOALCANI, CICLICI, < 5% N-ESANO

ETHYL ACETATE

ACETONE

ETHYL METHYL KETONE

TOLUENE

HEPTANE

SECTION 16. Other information

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

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Flam. Liq. 2	Flammable liquid, category 2
Repr. 2	Reproductive toxicity, category 2
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H225	Highly flammable liquid and vapour.
H361d	Suspected of damaging the unborn child.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent, bioaccumulative and toxic
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PMT: Persistent, mobile and toxic
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds

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- vPvB: Very persistent and very bioaccumulative
- vPvM: Very persistent and very mobile
- WGK: Water hazard classes (German).



GENERAL BIBLIOGRAPHY

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 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
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Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

CALCULATION METHODS FOR CLASSIFICATION

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

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

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

Changes to previous review (5):

The following sections were modified:

01 / 02 / 03 / 04 / 08 / 09 / 10 / 11 / 12 / 14 / 15 / 16.

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11/11/2024