

SAFETY DATA SHEET

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

1.1. Product identifier:

ThermaGlue

UFI: PGD8-60HX-G001-N87X

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

Spray-applied adhesive for professional use.

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

Information about the distributor:

Thermaflex Izolacji Sp. z o.o.

ul. Przemysłowa 6, Poland

58-130 Żarów

Tel. +48 74 85-89-666

Fax. +48 74 85-89-667

E-mail: biuro@thermaflex.com

1.3.1. Responsible person:

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E-mail:

SDS@thermaflex.com

1.4. Emergency telephone number: National Poisons Information Service (NPIS)

NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales) – dial 111

In Northern Ireland contact your local GP

Healthcare Professionals: UK NPIS 0344 892 0111

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 (CLP):

Flammable liquids, Hazard Category 2 – H225

Skin corrosion/irritation, Hazard Category 2 – H315

Serious eye damage/eye irritation, Hazard Category 2 – H319

Sensitisation - Skin, hazard category 1B – H317

Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis – H336

Hazardous to the aquatic environment – Chronic Hazard, Category 2 – H411

Hazard statements:

H225 – Highly flammable liquid and vapour.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

H411 – Toxic to aquatic life with long lasting effects.



2.2. Label elements:

Components that define the hazards: Hydrocarbons, C6, isoalkanes, <5% n-hexane; Cyclohexane; Ethyl acetate; Acetone; Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol; Rosin



Hazard statements:

H225 – Highly flammable liquid and vapour.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H336 – May cause drowsiness or dizziness.

H411 – Toxic to aquatic life with long lasting effects.

Precautionary statements:

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

P261 – Avoid breathing mist/vapours/spray.

P273 – Avoid release to the environment.

P280 – Wear protective gloves.

P302 + P352 – IF ON SKIN: Wash with plenty of water.

P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention.

P370 + P378 – In case of fire. Use CO₂, dry powder or water spray to extinguish.

P403 + P235 – Store in a well-ventilated place. Keep cool.

2.3. Other hazards:

The product has no other known specific hazards for human or environment.

Results of PBT and vPvB assessment: Not applicable.

Endocrine disrupting property:

4-tert-Butylphenol (CAS: 98-54-4) - List I - Endocrine disrupting properties (Article 57(f) - environment) - 0.05 %

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances:

Not applicable.



3.2. Mixtures:

Hazardous ingredients:

Description	CAS number	EC number / ECHA list number	REACH registration number	Conc. (%)	Classification according to Regulation (EC) No 1272/2008 (CLP)		
					Pictogram, signal word code(s)	Hazard class and category code(s)	Hazard statement code(s)
Hydrocarbons, C6, isoalkanes, <5% n-hexane*	-	931-254-9	01-2119484651-34	≥25 –<30	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Asp. Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Chronic 2	H225 H304 H315 H336 H411
Cyclohexane** Index number: 601-017-00-1	110-82-7	203-806-2	01-2119463273-41	≥10 –<25	GHS02 GHS08 GHS07 GHS09 Danger	Flam. Liq. 2 Asp. Tox. 1 Skin Irrit. 2 STOT SE 3 Aquatic Acute 1 Aquatic Chronic 1	H225 H304 H315 H336 H400 H410
Ethyl acetate** Index number: 607-022-00-5	141-78-6	205-500-4	01-2119475103-46	≥10 –<25	GHS02 GHS07 Danger	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336 EUH066
Acetone** Index number: 606-001-00-8	67-64-1	200-662-2	01-2119471330-49	≤5.5	GHS02 GHS07 Danger	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336 EUH066
Formaldehyde, polymer with 4-(1,1-dimethylethyl)phenol*	25085-50-1	607-533-3	-	≥1 – <6	GHS07 Warning	Skin Sens. 1B	H317
Carbonic acid, zinc salt, basic*	51839-25-9	257-467-0	01-2119474697-20	<0.2	GHS09 Warning	Aquatic Acute 1 Aquatic Chronic 2	H400 H411
Rosin** Index number: 650-015-00-7	8050-09-7	232-475-7	01-2119480418-32	≥0.1 – <0.2	GHS07 Warning	Skin Sens. 1	H317
4-tert-Butylphenol Index number: 604-090-00-8	98-54-4	202-679-0	-	0.05	GHS08 GHS05 GHS09 Danger	Repr. 2 Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 1 M=1	H361f H315 H318 H410

*: Classification specified by the manufacturer; the substance is not listed in Annex VI of the Regulation (EC) No 1272/2008.

** : Substance having occupational exposure limit value.

Hydrocarbons, C6, isoalkanes, <5% n-hexane (ECHA list number: 931-254-9) is a mixture of: hexane (mixture of isomers), cyclopentane, n-pentane and n-hexane (SVHC)

For the full text of hazard statements, see Section 16.



SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures:

General information: Remove the victim from the danger zone and lay them down. Remove clothing contaminated with the product.

INGESTION:

Measures:

- Rinse the mouth and drink plenty of water.
- Do not induce vomiting.
- If symptoms persist, consult a doctor.

INHALATION:

Measures:

- Provide fresh air, artificial respiration if necessary, and warmth.
- If symptoms persist, consult a doctor.
- If unconscious, place and transport in the recovery position.

SKIN CONTACT:

Measures:

- Wash immediately with soap and water and rinse thoroughly.
- If skin irritation or rash occurs: Get medical advice/attention.

EYE CONTACT:

Measures:

- Rinse eyes with the eyelids open for several minutes under running water.
- If symptoms persist, seek medical advice.

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

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause drowsiness or dizziness.

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

No special treatment needed; treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media:

5.1.1. Suitable extinguishing media:

CO₂, dry powder or a water spray. For larger fires, use alcohol-resistant foam.

5.1.2. Unsuitable extinguishing media:

No data available.

5.2. Special hazards arising from the substance or mixture:

Highly flammable liquid and vapour.

In case of fire, smoke and other combustion products (hydrogen chloride (HCl), carbon monoxide and carbon dioxide, metal oxide) may be formed; the inhalation of such combustion products can have serious adverse effects on health.

5.3. Advice for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Do not inhale gases produced during explosions and fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures:

6.1.1. For non-emergency personnel:

Allow only well-trained experts wearing suitable protective clothing to abide in the field of accident.



6.1.2. For emergency responders:

People should leave the danger zone and move to a well-ventilated area.

Wear protective clothing.

Move unprotected persons to a safe place.

Ensure adequate ventilation.

6.2. Environmental precautions:

Dispose of the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

6.3. Methods and material for containment and cleaning up:

Collect spilled product with appropriate absorbent material (sand, diatomaceous earth, acid-binding material, universal binding material).

Dispose of the collected waste as described in Section 13.

6.4. Reference to other sections:

For further and detailed information see Sections 7, 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling:

Observe conventional hygiene precautions.

Observe the usual precautions when handling chemicals.

Technical measures:

No special measures required.

Precautions against fire and explosion:

Keep away from sources of ignition – do not smoke.

Take measures against electrostatic charging.

7.2. Conditions for safe storage, including any incompatibilities:

Technical measures and storage condition:

Store only in original packaging.

Protect from frost.

Protect from heat and direct sunlight.

Do not store in contact with foodstuffs.

Store in tightly closed drums in a cool, dry place.

Incompatible materials: See Section 10.5.

Packaging material: No special prescriptions.

7.3. Specific end use(s):

No specific instructions available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Occupational exposure limit values (EH40/2005 Workplace exposure limits):

Cyclohexane (CAS: 110-82-7): Long-term: 100 ppm, 350 mg/m³; Short-term: 300 ppm, 1050 mg/m³

Ethyl acetate (CAS: 141-78-6): Long-term: 200 ppm, 734 mg/m³; Short-term: 400 ppm, 1468 mg/m³

Acetone (CAS: 67-64-1): Long-term: 500 ppm, 1210 mg/m³; Short-term: 1500 ppm, 3620 mg/m³

Hydrocarbons, C6, isoalkanes, <5% n-hexane (ECHA list number: 931-254-9):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	1301 mg/kg bw	no data	1377 mg/kg bw	no data	1.131 mg/m ³
Worker	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	13,964 mg/kg bw	no data	5.306 mg/m ³

Cyclohexane (CAS: 110-82-7):



DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	no data	no data	2016 mg/kg bw	no data	no data
Worker	Local	no data	no data	no data	no data	700 mg/m ³	700 mg/m ³
	Systemic	no data	no data	no data	no data	700 mg/m ³	700 mg/m ³

PNEC values		
Compartment	Value	Note(s)
Freshwater	0.207 mg/l	no notes
Marine water	0.207 mg/l	no notes
Freshwater sediment	3.267 mg/kg	no notes
Marine water sediment	3.267 mg/kg	no notes
Sewage Treatment Plant (STP)	no data	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	2.99 mg/kg	no notes

Ethyl acetate (CAS: 141-78-6):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	734 mg/m ³	367 mg/m ³
	Systemic	no data	no data	no data	4.5 mg/kg bw 67 mg/kg bw	734 mg/m ³	367 mg/m ³
Worker	Local	no data	no data	no data	no data	1468 mg/m ³	734 mg/m ³
	Systemic	no data	no data	no data	67 mg/kg bw	1468 mg/m ³	34 mg/m ³

PNEC values		
Compartment	Value	Note(s)
Freshwater	0.26 mg/l	no notes
Marine water	0.026 mg/l	no notes
Freshwater sediment	0.34 mg/kg	no notes
Marine water sediment	0.034 mg/kg	no notes
Sewage Treatment Plant (STP)	650 mg/l	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes



Acetone (CAS: 67-64-1):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	62 mg/kg bw	no data	62 mg/kg bw	no data	200 mg/m ³
Worker	Local	no data	no data	no data	no data	2420 mg/m ³	no data
	Systemic	no data	no data	no data	186 mg/kg bw	1210 mg/m ³	no data

PNEC values		
Compartment	Value	Note(s)
Freshwater	10.6 mg/l	no notes
Marine water	1.06 mg/l	no notes
Freshwater sediment	30.4 mg/kg	no notes
Marine water sediment	3.04 mg/kg	no notes
Sewage Treatment Plant (STP)	100 mg/l	no notes
Intermittent release	21.5 mg/l	no notes
Secondary poisoning	no data	no notes
Soil	29.5 mg/kg	no notes

Carbonic acid, zinc salt, basic (CAS: 51839-25-9):

PNEC values		
Compartment	Value	Note(s)
Freshwater	0.026 mg/l	no notes
Marine water	0.014 mg/l	no notes
Freshwater sediment	281.7 mg/kg	no notes
Marine water sediment	no data	no notes
Sewage Treatment Plant (STP)	0.192 mg/l	no notes
Intermittent release	no data	no notes
Secondary poisoning	no data	no notes
Soil	159.4 mg/kg	no notes

Rosin (CAS: 8050-09-7):

DNEL values		Oral exposure		Dermal exposure		Inhalative exposure	
		Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)	Short term (acute)	Long term (chronic)
Consumer	Local	no data	no data	no data	no data	no data	no data
	Systemic	no data	1065 mg/kg bw	no data	1065 mg/kg bw	no data	no data
Worker	Local	no data	no data	no data	no data	no data	10 mg/m ³
	Systemic	no data	no data	no data	2131 mg/kg bw	no data	no data



PNEC values		
Compartment	Value	Note(s)
Freshwater	0.002 mg/l	no notes
Marine water	0.0002 mg/l	no notes
Freshwater sediment	0.007 mg/kg	no notes
Marine water sediment	0.001 mg/kg	no notes
Sewage Treatment Plant (STP)	1.000 mg/l	no notes
Intermittent release	0.016 mg/l	no notes
Secondary poisoning	no data	no notes
Soil	no data	no notes

8.2. Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

8.2.1. Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid leaking onto clothes and floors and to avoid contact with eyes and skin.

8.2.2. Individual protection measures, such as personal protective equipment:

Observe the usual precautions when handling chemicals.

Wash hands before breaks and at the end of work.

Keep away from food, drink and animal feed.

Avoid contact with eyes and skin.

Clothing contaminated with the product must be removed.

1. **Eye/face protection:** Appropriate protective glasses recommended during filling (EN ISO 16321-1:2022; EN 166).

2. **Skin protection:**

a. **Hand protection:** Use appropriate, neoprene protective gloves (EN 374).

The glove material should be impermeable and resistant to the product.

Select glove material based on the penetration time, rates of diffusion and degradation.

The selection of suitable gloves does not only depend on the material, but also on further marks of quality which may vary from manufacturer to manufacturer.

As the product is a mixture of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked before use.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

b. **Other:** Use appropriate protective work clothing.

3. **Respiratory protection:** Use respiratory protection if ventilation is inadequate. Avoid inhaling mist/vapours/spray. Recommended filter: AX filter.

4. **Thermal hazards:** No thermal hazards known.

8.2.3. Environmental exposure controls:

No specific prescription.

The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions, an expert's advice is necessary before deciding upon further protective measures.



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Parameter	Value / Test method / Remarks
1. Physical state	liquid
2. Colour	green
3. Odour, odour threshold	characteristic
4. Melting point/freezing point	no data*
5. Boiling point or initial boiling point and boiling range	>48 °C
6. Flammability	highly flammable liquid and vapour
7. Lower and upper explosion limit	1 – 11.5 vol.%
8. Flash point	-17 °C
9. Auto-ignition temperature	not self-igniting
10. Decomposition temperature	no data*
11. pH	not applicable
12. Kinematic viscosity	no data*
13. Solubility in water in other solvents	not or slightly miscible no data*
14. Partition coefficient n-octanol/water (log value)	no data*
15. Vapour pressure	250 hPa (20 °C)
16. Density and/or relative density	0.8 g/cm ³ (20 °C)
17. Relative vapour density	no data*
18. Particle characteristics	no data*

9.2. Other information:

9.2.1. Information with regard to physical hazard classes:

Burning temperature: >200 °C

Explosive properties: The product is not explosive, but vapours/air mixtures may form which are explosive.

9.2.2. Other safety characteristics:

Dynamic viscosity: 250 mPa.s (20 °C)

Organic solvents: 80.0 %

Water: 0.4 %

VOC (EC): 664.3 g/l (80 %)

Solid content: 19.6 %

The physical data presented above are merely typical values and should not be interpreted as a specification.

*: The manufacturer did not carry out any tests on this parameter for the product or the results of the tests are not available at the time of publication of the data sheet, or the property is not applicable for the product.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

No reactivity known.

10.2. Chemical stability:

No decomposition if used as intended.

10.3. Possibility of hazardous reactions:

Decomposes with water, acids and alkalis.

Violent reactions with strong alkalis and oxidising agents.

10.4. Conditions to avoid:

Keep away from sources of ignition – do not smoke.

Take measures against electrostatic charging.

Protect from frost.

Protect from direct sunlight.

10.5. Incompatible materials:

No incompatible materials known.



10.6. Hazardous decomposition products:

Hydrogen chloride (HCl)

Carbon monoxide and carbon dioxide.

SECTION 11: TOXICOLOGICAL INFORMATION

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

Acute toxicity: Based on available data, the classification criteria are not met.

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: May cause an allergic skin reaction.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT-single exposure: May cause drowsiness or dizziness.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

11.1.1. Summaries of the information derived from the test conducted:

No data available.

11.1.2. Relevant toxicological properties:

Information about the product:

Acute toxicity:

LD₅₀ (oral, mouse): 5663 mg/kg (estimated)

LC₅₀ (inhalation): 61 mg/l/4 hours

Information about the components:

Hydrocarbons, C6, isoalkanes, <5% n-hexane (ECHA list number: 931-254-9):

Acute toxicity:

LD₅₀ (oral, rat): >5000 mg/kg

LD₅₀ (dermal, rabbit): >3000 mg/kg

LC₅₀ (inhalation, rat): >20 mg/l/4 hours

Cyclohexane (CAS: 110-82-7):

Acute toxicity:

LD₅₀ (oral, mouse): 1300 mg/kg

LD₅₀ (oral, rat): >5.00 mg/kg

LD₅₀ (dermal, rabbit): >2000 mg/kg

LC₅₀ (inhalation, rat): 14 mg/l/4 hours

Ethyl acetate (CAS: 141-78-6):

Acute toxicity:

LD₅₀ (oral, mouse): 4100 mg/kg

LD₅₀ (oral, rat): 10,170 mg/kg

LD₅₀ (oral, rabbit): 4935 mg/kg

LD₅₀ (dermal, rabbit): >20,000 mg/kg

LC₅₀ (inhalation, mouse): 31.0 mg/l/4 hours

LC₅₀ (inhalation, rat): >50 mg/l/4 hours

Acetone (CAS: 67-64-1):

Acute toxicity:

LD₅₀ (oral, mouse): >3000 mg/kg

LD₅₀ (oral, rat): >5000 mg/kg

LD₅₀ (dermal, rat): >5000 mg/kg

LD₅₀ (dermal, rabbit): >15,000 mg/kg

LC₅₀ (inhalation, rat): 76 mg/l/4 hours



Rosin (CAS: 8050-09-7):

Acute toxicity:

LD₅₀ (oral, rat): 2800 mg/kg

LD₅₀ (dermal, rat): >2000 mg/kg

LD₅₀ (dermal, rabbit): >2500 mg/kg

11.1.3. Information on likely routes of exposure:

Ingestion, inhalation, skin contact, eye contact.

11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

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

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

May cause drowsiness or dizziness.

11.1.6. Interactive effects:

No data available.

11.1.7. Absence of specific data:

No information.

11.2. Information on other hazards:

Endocrine disrupting properties:

Endocrine disrupting property: **4-tert-Butylphenol** (CAS: 98-54-4) - List I - Endocrine disrupting properties (Article 57(f) - environment) - 0.05 %

Other information:

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Toxic to aquatic life with long lasting effects.

Information about the components:

Cyclohexane (CAS: 110-82-7):

EC₅₀ (daphnia): 0.9 mg/l/48 h

Ethyl acetate (CAS: 141-78-6):

EC₅₀ (daphnia): >164 mg/l/48 h

Acetone (CAS: 67-64-1):

EC₅₀ (daphnia): 39 mg/l/48 h

Rosin (CAS: 8050-09-7):

EC₅₀ (daphnia): 911 mg/l/48 h

12.2. Persistence and degradability:

No data available.

12.3. Bioaccumulative potential:

No data available.

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

Not applicable.

12.6. Endocrine disrupting properties:

Endocrine disrupting property: **4-tert-Butylphenol** (CAS: 98-54-4) - List I - Endocrine disrupting properties (Article 57(f) - environment) - 0.05 %

12.7. Other adverse effects:

Toxic to fish, plankton and aquatic organisms.

Harmful to drinking water even if minimal quantities enter the ground.

Water hazard class (WGK, German regulation, self-classification): 2 – hazardous for water.



SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

Disposal according to the local regulations.

13.1.1. Information regarding the disposal of the product:

Dispose of in accordance with applicable regulations.

Do not dispose of together with household waste.

Do not empty into drains.

List of Waste Code:

08 04 09* waste adhesives and sealants containing organic solvents or other hazardous substances

*: Hazardous waste.

13.1.2. Information regarding the disposal of the packaging:

Dispose of in accordance with applicable regulations.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

No data available.

13.1.4. Sewage disposal:

No data available.

13.1.5. Special precautions for any recommended waste treatment:

No data available.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number:

UN 1133

14.2. UN proper shipping name:

ADR/RID/ADN: ADHESIVES containing flammable liquid, ENVIRONMENTALLY HAZARDOUS

IMDG: ADHESIVES, MARINE POLLUTANT

IATA: ADHESIVES

14.3. Transport hazard class(es):

Class: 3 Flammable liquids

Labels: 3 + fish and tree

14.4. Packing group:

II

14.5. Environmental hazards:

Contains : Hydrocarbons, C6, isoalkanes, <5% n-hexane.

Environmentally hazardous: Yes.

Marine pollutant: Yes.

14.6. Special precautions for user:

ADR: Special provisions: 640D

Classification code: F1

Transport category: 2

Limited quantities: 5L

Excepted quantities: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

Tunnel restriction code: D/E

Hazard identification number (Kemler number): 33

IMDG: EmS: F-E, S-D

Limited quantities: 5L

Excepted quantities: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

14.7. Maritime transport in bulk according to IMO instruments:

Not applicable.



SECTION 15: REGULATORY INFORMATION

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive (EC) No 1999/45 and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive (EEC) No 76/769 and Commission Directives (EEC) No 91/155, (EEC) No 93/67, (EC) No 93/105 and (EC) No 2000/21

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives (EEC) No 67/548 and (EC) No 1999/45, and amending Regulation (EC) No 1907/2006

COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Directive 2012/18/EU:

ANNEX I – PART 2: Named dangerous substances: None of the substances are listed.

The product is regulated by **Directive 2012/18/EU** (Seveso III).

Seveso category:

E2 Hazardous to the Aquatic Environment in Category Chronic 2

P5c FLAMMABLE LIQUIDS

Lower-tier requirements (tonnes): 200

Upper-tier requirements (tonnes): 500

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment:

Annex II: None of the substances are listed.

The mixture contains a substance that is subject to **Regulation (EU) 2019/1148** on the marketing and use of explosives precursors:

ANNEX II – REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported within 24 hours:

Acetone (CAS: 67-64-1)

Regulation (EC) No 273/2004 of the European Parliament and of the Council of 11 February 2004 on drug precursors:

None of the substances are listed.

Council Regulation (EC) No 111/2005 of 22 December 2004 laying down rules for the monitoring of trade between the Union and third countries in drug precursors:

None of the substances are listed.

The mixture contains substances on the candidate list for authorisation of substances of very high concern (SVHC) under Regulation (EC) No 1907/2006 (REACH):

n-Hexane (CAS: 110-54-3)

15.2. Chemical safety assessment: Has not been carried out.



SECTION 16: OTHER INFORMATION

Information regarding the revision of the safety data sheet:

The safety data sheet has been revised according to Regulation (EU) 2020/878 (Section 1-16).
The hazard classification of the mixture was modified compared to the previous version.
The composition of the mixture was not modified compared to the previous version.

This safety data sheet supersedes all previous versions according to Annex II of Regulation (EC) No 1907/2006.

Literature references / data sources:

Previous version of the safety data sheet (18. 05. 2026, version 1.1)

Methods used for the classification according to Regulation (EC) No 1272/2008:

Classification	Method
Flammable liquids, Hazard Category 2 – H225	Based on test methods (test data)
Skin corrosion/irritation, Hazard Category 2 – H315	Based on calculation method
Serious eye damage/eye irritation, Hazard Category 2 – H319	Based on calculation method
Sensitisation - Skin, hazard category 1B – H317	Based on calculation method
Specific target organ toxicity – Single exposure, Hazard Category 3, Narcosis – H336	Based on calculation method
Hazardous to the aquatic environment – Chronic Hazard, Category 2 – H411	Based on calculation method

Relevant hazard statements (code and full text) of Sections 2 and 3:

H225 – Highly flammable liquid and vapour.
H304 – May be fatal if swallowed and enters airways.
H315 – Causes skin irritation.
H317 – May cause an allergic skin reaction.
H318 – Causes serious eye damage.
H319 – Causes serious eye irritation.
H336 – May cause drowsiness or dizziness.
H361f – Suspected of damaging fertility.
H400 – Very toxic to aquatic life.
H410 – Very toxic to aquatic life with long lasting effects.
H411 – Toxic to aquatic life with long lasting effects.
EUH 066 – Repeated exposure may cause skin dryness or cracking.

Training advice: No data available.

Full text of the abbreviations in the safety data sheet:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
ADR: Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE: Acute Toxicity Estimate.
AOX: Adsorbable organic halides.
BCF: Bioconcentration factor.
BOD: Biological Oxygen Demand.
CAS number: Chemical Abstract Service number.
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
CMR effects: Carcinogenic, mutagenic, reprotoxic effects.
COD: Chemical Oxygen Demand.
CSA: Chemical Safety Assessment.
CSR: Chemical Safety Report.
DNEL: Derived-No-Effect-Level.
ECHA: European Chemical Agency.
EC: European Community.
EC number: EINECS and ELINCS numbers (see also EINECS and ELINCS).
EEC: European Economic Community.



EEA: European Economic Area (EU + Iceland, Liechtenstein and Norway).
EINECS: European Inventory of Existing Commercial Chemical Substances.
ELINCS: European List of Notified Chemical Substances.
EN: European Norm.
EU: European Union.
EuPCS: European Product Categorisation System.
EWC: European Waste Catalogue (replaced by LoW – see below).
GHS: Globally Harmonized System of Classification and Labelling of Chemicals.
IATA: International Air Transport Association.
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air.
IMDG: International Maritime Dangerous Goods.
IMO: International Maritime Organization.
IMSBC: International Maritime Solid Bulk Cargoes.
IUCLID: International Uniform Chemical Information Database.
IUPAC: International Union of Pure and Applied Chemistry.
Kow: n-Octanol - Water Partition Coefficient.
LC50: Lethal concentration resulting in 50 % mortality.
LD50: Lethal dose resulting in 50 % mortality (median lethal dose).
LoW: List of Waste.
LOEC: Lowest Observed Effect Concentration.
LOEL: Lowest Observed Effect Level.
NOEC: No Observed Effect Concentration.
NOEL: No Observed Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
OECD: Organization for Economic Cooperation and Development.
OSHA: Occupational Safety and Health Administration.
PBT: Persistent, Bioaccumulative and Toxic.
PNEC: Predicted No Effect Concentration.
QSAR: Quantitative Structure Activity Relationship.
REACH: Regulation 1907/2006/EC concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals.
RID: Regulations Concerning the International Transport of Dangerous Goods by Rail.
SCBA: Self Contained Breathing Apparatus.
SDS: Safety Data Sheet.
STOT: Specific Target Organ Toxicity.
SVHC: Substances of Very High Concern.
UN: United Nations.
UVCB: Chemical Substances of Unknown or Variable Composition, Complex Reaction Products or of Biological Materials.
VOC: Volatile Organic Compound.
vPvB: very Persistent and very Bioaccumulative.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information.

The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product.

It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.