

Safety data sheet

COMMISSION REGULATION (EU) 2020/878

Date of compilation: 09.06.2020

bhs-industriebedarf.de

Rodalberstr. 79

66953 Pirmasens

Phone. +49 (0)6331-6080566

Mail: info@bhs-industriebedarf.de

product: bhs 14551

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

1.1 Product identifier

- bhs 14551
- UFI: 2V60-U00H-600G-RUQE

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

- **Relevant uses:** Neoprene-base contact adhesive. For professional users/industrial user only.
- **Uses advised against:** All uses not specified in this section or in section 7.3

1.3 Details of the supplier of the safety data sheet:

bhs-industriebedarf.de
Rodalber Straße 79
66953 Pirmasens
Telefon: +49 (0)6331 6080566
Fax: +49 (0)6331 6080588
E-Mail: info@bhs-industriebedarf.de
Web: www.bhs-industriebedarf.de

1.4 Emergency telephone number:

bhs-industriebedarf: +49 (0)6331 6080566 (Mo-Fr 8.00 – 17.00 Uhr)
Poison hotline: +49 (0)6131 19240

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture:

- CLP Regulation (EC) No 1272/2008
Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Flam. Liq 2	H225	Flammable liquids, Category 2
Skin Irrit. 2	H315	Skin irritation, Category 2
Skin Sens. 1	H317	Sensitisation, skin, Category 1
Eye Irrit. 2	H319	Eye irritation, Category 2
STOT SE 3	H336	Specific toxicity causing drowsiness and dizziness, single exposure, Category 3
Aquatic Acute 1	H400	Hazardous to the aquatic environment, acute hazard, Category 1
Aquatic Chronic 1	H410	Hazardous to the aquatic environment, long-term hazard, Category 1

2.2 Label elements

- CLP Regulation (EC) No 1272/2008
- **Danger**



- **Hazard statements**

Aquatic Chronic 1	H410 – Very toxic to aquatic life with long lasting effects
Eye Irrit. 2	H319 – Causes serious eye irritation
Fl. Liq. 2	H225 – Highly flammable liquid and vapour
Skin Irrit. 2	H315 – Causes skin irritation
Skin Sens. 1	H317 – May cause an allergic skin reaction
STOT SE 3	H336 – May cause drowsiness or dizziness

- **Precautionary statements**

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear

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P302+P352 IF ON SKIN: Wash with plenty of water
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+P378 IN CASE OF FIRE: Use ABC powder extinguisher to extinguish
P403+P233 Store in a well-ventilated place. Keep container tightly closed
P501 Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively.

Supplementary information

Contains Rosin.

- **Substances that contribute to the classification**
cyclohexane; acetone; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane; Ethyl acetate
UFI: 2V60-U00H-600G-RUQE

2.3 Other hazards

Product fails to meet PBT/vPvB criteria

Endocrine-disrupting properties: The product fails to meet the criteria

SECTION 3: Composition/Information on ingredients

3.1 Substances:

Non-applicable

3.2 Mixture

- **Chemical description**
Mixture composed of additives, aggregates and resins in solvents
- **Components**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains::

CAS	Chemical name/Classification	Concentration
EC	INDEX	
REACH	Regulation 1272/2008	
110-82-7	cyclohexane	25 - <50%
203-806-2	601-017-00-1	
01-2119463273-41-XXXX	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger	
67-64-1	acetone	10- <25%
200-662-2	606-001-00-8	
01-2119471330-49-XXXX	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	
-	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	10- <25%
921-024-6	-	
01-2119475514-35-XXXX	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE 3: H336 - Danger	
141-78-6	Ethyl acetate	2,5- <10%
205-500-4	607-022-00-5	
01-2119475103-46-XXXX	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Danger	
8050-09-7	Rosin	1- <2,5%
232-475-7	650-015-00-7	
01-2119480418-32-XXXX	Skin Sens. 1: H317 - Warning	
64742-49-0	Hydrocarbons, C6, isoalkanes, <5% n-hexane	1 - <2,5%
931-254-9	-	
01-2119484651-34-XXXX	Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Flam. Liq. 2: H225; Skin Irrit. 2: H315; STOT SE: H336 - Danger	

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

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By inhalation

Remove the person affected from the area of exposure, provide with fresh air and keep at rest. In serious cases such as cardiorespiratory failure, artificial resuscitation techniques will be necessary (mouth to mouth resuscitation, cardiac massage, oxygen supply, etc.) requiring immediate medical assistance.

- **By skin contact**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

- **By eye contact**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

- **By ingestion/aspiration**

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

4.2 Most important symptoms and effects, both acute and delayed

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of any immediate medical attention and special treatment needed

Non applicable

SECTION 5: Firefighting measures

5.1 Extinguishing media

- **Suitable extinguishing media**

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂)

- **Unsuitable extinguishing media**

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent

5.2 Special hazards arising from the substances or mixture

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,..) in accordance with Directive 89/654/EC.

- **Additional provisions**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- **For non-emergency personnel**

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out those without protection. Personal protection equipment must be used against potential contact with the split product (see section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium. Remove any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground.

- **For emergency responders**

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

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6.3 Methods and material for containment and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

- **General precautions for safe use**
Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.
- **Technical recommendations for the prevention of fires and explosions**
Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) and ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing and conductive footwear. Comply with the essential security requirements for equipment and systems defined in Directive 2014/34/EC (ATEX 100) and with the minimum requirements for protecting the security and health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions and materials that should be avoided.
- **Technical recommendations on general occupational hygiene**
Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.
- **Technical recommendations to prevent environmental risks**
Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

7.2 Conditions for safe storage, including any incompatibilities

- **Technical measures for storage**
Store in a cool, dry, well-ventilated location.
- **General conditions for storage**
Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s)

Expect for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific legislation):
Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Cyclohexane	CAS: 110-82-7	EC: 203-806-2
	IOELV (8h)	IOELV (STEL)
Occupational exposure limits	200 ppm, 700 mg/m ³	
Acetone	CAS: 67-64-1	EC: 200-662-2
	IOELV (8h)	IOELV (STEL)
Occupational exposure limits	500 ppm, 1210 mg/m ³	
Ethyl acetate	CAS: 141-78-6	EC: 205-500-4
	IOELV (8h)	IOELV (STEL)
Occupational exposure limits	200 ppm, 734 mg/m ³	400 ppm, 1468 mg/m ³
• DNEL		
CAS	Identification	
DNEL		exposure
110-82-7	Cyclohexane	

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Worker, short exposure, systemic	Oral	Non-applicable
Worker, short exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Oral	Non-applicable
Worker, long exposure, local	Oral	Non-applicable
Worker, short exposure, systemic	Dermal	Non-applicable
Worker, short exposure, local	Dermal	Non-applicable
Worker, long exposure, systemic	Dermal	2016 mg/kg
Worker, long exposure, local	Dermal	Non-applicable
Worker, short exposure, systemic	Inhalation	1400 mg/m ³
Worker, short exposure, local	Inhalation	1400 mg/m ³
Worker, long exposure, systemic	Inhalation	700 mg/m ³
Worker, long exposure, local	Inhalation	700 mg/m ³
General population, short exposure, systemic	Oral	Non-applicable
General population, short exposure, local	Oral	Non-applicable
General population, long exposure, systemic	Oral	59,4 mg/kg
General population, long exposure, local	Oral	Non-applicable
General population, short exposure, systemic	Dermal	Non-applicable
General population, short exposure, local	Dermal	Non-applicable
General population, long exposure, systemic	Dermal	1186 mg/kg
General population, long exposure, local	Dermal	Non-applicable
General population, short exposure, systemic	Inhalation	412 mg/m ³
General population, short exposure, local	Inhalation	412 mg/m ³
General population, long exposure, systemic	Inhalation	206 mg/m ³
General population, long exposure, local	Inhalation	206 mg/m ³
67-64-1 Acetone		
Worker, short exposure, systemic	Oral	Non-applicable
Worker, short exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Oral	Non-applicable
Worker, long exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Dermal	Non-applicable
Worker, short exposure, local	Dermal	Non-applicable
Worker, long exposure, systemic	Dermal	186 mg/kg
Worker, long exposure, local	Dermal	Non-applicable
Worker, short exposure, systemic	Inhalation	Non-applicable
Worker, short exposure, local	Inhalation	2420 mg/m ³
Worker, long exposure, systemic	Inhalation	1210 mg/m ³
Worker, long exposure, local	Inhalation	Non-applicable
General population, short exposure, systemic	Oral	Non-applicable
General population, short exposure, local	Oral	Non-applicable
General population, long exposure, systemic	Oral	62 mg/kg
General population, long exposure, local	Oral	Non-applicable
General population, short exposure, systemic	Dermal	Non-applicable
General population, short exposure, local	Dermal	Non-applicable
General population, long exposure, systemic	Dermal	62 mg/kg
General population, long exposure, local	Dermal	Non-applicable
General population, short exposure, systemic	Inhalation	Non-applicable
General population, short exposure, local	Inhalation	Non-applicable
General exposure, long exposure, systemic	Inhalation	200 mg/m ³

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General population, long exposure, local	Inhalation	Non-applicable
	Hydrocarbons, C6-C7, n-Alkanes, Isoalkanes, Cyclics, <5% n-Hexane	
Worker, short exposure, systemic	Oral	Non-applicable
Worker, short exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Oral	Non-applicable
Worker, long exposure, local	Oral	Non-applicable
Worker, short exposure, systemic	Dermal	Non-applicable
Worker, short exposure, local	Dermal	Non-applicable
Worker, long exposure, systemic	Dermal	773 mg/kg
Worker, long exposure, local	Dermal	Non-applicable
Worker, short exposure, systemic	Inhalation	Non-applicable
Worker, short exposure, local	Inhalation	Non-applicable
Worker, long exposure, systemic	Inhalation	2035 mg/m ³
Worker, long exposure, local	Inhalation	Non-applicable
General population, short exposure, systemic	Oral	Non-applicable
General population, short exposure, local	Oral	Non-applicable
General population, long exposure, systemic	Oral	699 mg/kg
General population, long exposure, local	Oral	Non-applicable
General population, short exposure, systemic	Dermal	Non-applicable
General population, short exposure, local	Dermal	Non-applicable
General population, long exposure, systemic	Dermal	699 mg/kg
General population, long exposure, local	Dermal	Non-applicable
General population, short exposure, systemic	Inhalation	Non-applicable
General population, short exposure, local	Inhalation	Non-applicable
General population, long exposure, systemic	Inhalation	608 mg/m ³
General population, long exposure, local	Inhalation	Non-applicable
	141-78-6 Ethyl acetate	
Worker, short exposure, systemic	Oral	Non-applicable
Worker, short exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Oral	Non-applicable
Worker, long exposure, local	Oral	Non-applicable
Worker, short exposure, systemic	Dermal	Non-applicable
Worker, short exposure, local	Dermal	Non-applicable
Worker, long exposure, systemic	Dermal	63 mg/kg
Worker, long exposure, local	Dermal	Non-applicable
Worker, short exposure, systemic	Inhalation	1468 mg/m ³
Worker, short exposure, local	Inhalation	1468 mg/m ³
Worker, long exposure, systemic	Inhalation	734 mg/m ³
Worker, long exposure, local	Inhalation	734 mg/m ³
Worker, short exposure, systemic	Oral	Non-applicable
General population, short exposure, local	Oral	Non-applicable
General population, long exposure, systemic	Oral	4,5 mg/kg
General population, long exposure, local	Oral	Non-applicable
General population, short exposure, systemic	Dermal	Non-applicable
General population, short exposure, local	Dermal	Non-applicable
General population, long exposure, systemic	Dermal	37 mg/kg
General population, long exposure, local	Dermal	Non-applicable
General population, short exposure, systemic	Inhalation	734 mg/m ³
General population, short exposure, local	Inhalation	734 mg/m ³

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General population, long exposure, systemic	Inhalation	367 mg/m ³
General population, long exposure, local	Inhalation	367 mg/m ³
8050-09-7	Rosin	
Worker, short exposure, systemic	Oral	Non-applicable
Worker, short exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Oral	Non-applicable
Worker, long exposure, local	Oral	Non-applicable
Worker, short exposure, systemic	Dermal	Non-applicable
Worker, short exposure, local	Dermal	Non-applicable
Worker, long exposure, systemic	Dermal	2,131 mg/kg
Worker, long exposure, local	Dermal	Non-applicable
Worker, short exposure, systemic	Inhalation	Non-applicable
Worker, short exposure, local	Inhalation	Non-applicable
Worker, long exposure, systemic	Inhalation	Non-applicable
Worker, long exposure, local	Inhalation	10 mg/m ³
General population, short exposure, systemic	Oral	Non-applicable
General population, short exposure, local	Oral	Non-applicable
General population, long exposure, systemic	Oral	1,065 mg/kg
General population, long exposure, local	Oral	Non-applicable
General population, short exposure, systemic	Dermal	Non-applicable
General population, short exposure, local	Dermal	Non-applicable
General population, long exposure, systemic	Dermal	1,065 mg/kg
General population, long exposure, local	Dermal	Non-applicable
General population, short exposure, systemic	Inhalation	Non-applicable
General population, short exposure, local	Inhalation	Non-applicable
General population, long exposure, systemic	Inhalation	Non-applicable
General population, long exposure, local	Inhalation	Non-applicable
64742-49-0	Hydrocarbons, C6, isoalkanes, <5% n-hexane	
Worker, short exposure, systemic	Oral	Non-applicable
Worker, short exposure, local	Oral	Non-applicable
Worker, long exposure, systemic	Oral	Non-applicable
Worker, long exposure local	Oral	Non-applicable
Worker, short exposure, systemic	Dermal	Non-applicable
Worker, short exposure, local	Dermal	Non-applicable
Worker, long exposure, systemic	Dermal	13964 mg/kg
Worker, long exposure local	Dermal	Non-applicable
Worker, short exposure, systemic	Inhalation	Non-applicable
Worker, short exposure, local	Inhalation	Non-applicable
Worker, long exposure, systemic	Inhalation	5306 mg/m ³
Worker, long exposure local	Inhalation	Non-applicable
General population, short exposure, systemic	Oral	Non-applicable
General population, short exposure, local	Oral	Non-applicable
General population, long exposure, systemic	Oral	1301 mg/kg
General population, long exposure, local	Oral	Non-applicable
General population, short exposure, systemic	Dermal	Non-applicable
General population, short exposure, local	Dermal	Non-applicable
General population, long exposure, systemic	Dermal	1377 mg/kg
General population, long exposure, local	Dermal	Non-applicable
General population, short exposure, systemic	Inhalation	Non-applicable

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General population, short exposure, local	Inhalation	Non-applicable
General population, long exposure, systemic	Inhalation	1131 mg/m ³
General population, long exposure, local	Inhalation	Non-applicable

- PNEC-Werte**



CAS	Identification	
110-82-7	Cyclohexane	
STP		3,24 mg/L
Soil		3,38 mg/kg
Intermittent		0,207 mg/L
Oral		Non-applicable
Fresh water		0,207 mg/L
Marine water		0,207 mg/L
Sediment (Fresh water)		16,68 mg/kg
Sediment (Marine water)		16,68 mg/kg
67-64-1	Acetone	
STP		100 mg/L
Soil		29,5 mg/kg
Intermittent		21 mg/L
Oral		Non-applicable
Fresh water		10,6 mg/L
Marine water		1,06 mg/L
Sediment (Fresh water)		30,4 mg/kg
Sediment (Marine water)		3,04 mg/kg
141-78-6	Ethyl acetate	
STP		650 mg/L
Soil		0,148 mg/kg
Intermittent		1,65 mg/L
Oral		0,2 g/kg
Fresh water		0,24 mg/L
Marine water		0,024 mg/L
Sediment (Fresh water)		1,15 mg/kg
Sediment (Marine water)		0,115 mg/kg
8050-09-7	Rosin	
STP		1000 mg/L
Soil		0 mg/kg
Intermittent		0,016 mg/L
Oral		Non-applicable
Fresh water		0,002 mg/L
Marine water		0 mg/L
Sediment (Fresh water)		0,007 mg/kg
Sediment (Marine water)		0,001 mg/kg

8.2 Exposure controls

- Individual protection measures, such as personal protective equipment**

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking >> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not know whether the company has additional measures at its disposal.

- Respiratory protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Filter mask for gases and vapours		EN 405:2002+A1:2010	Replace when there is a taste or smell of the contaminant inside the face mask. If the contaminant comes with warnings it is recommended to use isolation equipment.

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- Specific protection for the hands**





Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory hand protection	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)		EN ISO 21420:2020	Replace the gloves at any sign of deterioration.

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.



- Eye and face protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

- Body protection**

Pictogram	PPE	Labelling	CEN Standard	Remarks
 Mandatory complete body protection	Antistatic and fireproof protective clothing		EN 1149-1:2006 EN 1149-2:1997 EN 1149-3:2004 EN 168:2002 EN ISO 14116:2015 EN 1149-5:2018	Limited protection against flames.
 Mandatory foot protection	Safety footwear with antistatic and heat resistant properties		EN ISO 13287:2020 EN ISO 20345:2011	Replace boots at any sign of deterioration.

- Additional emergency measures**

Emergency measure	Standards	Emergency measure	Standards
 Emergency shower	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Eyewash stations	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

- Environmental exposure controls**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.

- Volatile organic compounds**

With regard to Directive 2010/75/EU, this product has the following characteristics

VOC (Supply)	78,63 % weight
VOC density at 20°C	666,57 kg/m ³ (666,57 g/L)
Average carbon number	5,02
Average molecular weight	78,5 g/mol

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	
Physical state at 20°C	Liquid
Appearance	Viscous
Colour	Yellowish
Odour	Solvent
Odour threshold	Non-applicable
Volatility	
Boiling point at atmospheric pressure	72°C
Vapour pressure at 20°C	15.396 Pa
Vapour pressure at 50°C	52.647,76 Pa (52,65 kPa)
Evaporation rate at 20°C	Non-applicable
Product description	
Density at 20°C	847,7 kg/m ³
Relative density at 20°C	0,848
Dynamic viscosity at 20°C	Ca. 1200 cP
Kinematic viscosity at 20°C	Ca. 1428 mm ² /s
Kinematic viscosity at 40°C	>20,5 mm ² /s

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Concentration	Non-applicable
pH	Non-applicable
Vapour density at 20°C	Non-applicable
Partition coefficient n-octanol/water 20°C	Non-applicable
Solubility in water at 20°C	Non-applicable
Solubility properties	Non-applicable
Decomposition temperature	Non-applicable
Melting point/freezing point	Non-applicable
Flammability	
Flash Point	-17°C
Flammability (solid, gas)	Non-applicable
Autoignition temperature	260°C
Lower flammability limit	Not available
Upper flammability limit	Not available
Particle characteristics	
Median equivalent diameter	Non-applicable

9.2 Other Information

• Information with regard to physical hazard classes

Explosive properties	Non-applicable
Oxidising properties	Non-applicable
Corrosive to metals	Non-applicable
Heat of combustion	Non-applicable
Aerosols-total percentage (by mass) of flammable components	Non-applicable

• Other safety characteristics

Surface tension at 20°C	Non-applicable
Refraction index	Non-applicable

Not relevant due to the nature of the product, not providing information property of its hazards.

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid

Applicable for handling and storage at room temperature
Shock and friction: Not applicable
Contact with air: Not applicable
Increase in temperature: Risk of combustion
Sunlight: Avoid direct impact
Humidity: Not applicable

10.5 Incompatible materials

Acids: Avoid strong acids
Water: Not applicable
Oxidising materials: Avoid direct impact
Combustible materials: Not applicable
Others: Avoid alkalis or strong bases

10.6 Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: Toxicological Information

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

The experimental information related to the toxicological properties of the product itself is not available.

- **Dangerous health implications**
In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure
- **Ingestion (acute effect)**
Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3.
Corrosivity/Irritability: The consumption of a considerable dose can cause irritation in the throat, abdominal pain, nausea and vomiting.
- **Inhalation (acute effect)**
Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for inhalation. For more information see section 3.
Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- **Contact with the skin and the eyes (acute effect)**
Contact with the skin: Produces skin inflammation
Contact with the eyes: Produces eye damage after contact
- **CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction)**
Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
IARC: Polychloroprene (3); Hydrocarbons, C6, isoalkanes, <5% n-hexane (3)
Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- **Sensitizing effects**
Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
Skin: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.
- **Specific target organ toxicity (STOT) – single exposure**
Exposure in high concentration can interfere with the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion, and in serious cases, loss of consciousness.
- **Specific target organ toxicity (STOT) - repeated exposure**
Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
Skin: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.
- **Aspiration hazard**
Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- **Other information**
Non-applicable
- **Specific toxicology information on the substances**

Identification			
Acute toxicity			Genus
Ethyl acetate			
4100 mg/kg	LD50	Oral	Rat
20000 mg/kg	LD50	Dermal	Rabbit
>20 mg/L	LC50	Inhalation	
Rosin			
4100 mg/kg	LD50	Oral	Rat
>2000 mg/kg	LD50	Dermal	
>5 mg/l	LC50	Inhalation	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-Hexane			
5840 mg/kg	LD50	Oral	Rat
2920 mg/kg	LD50	Dermal	Rat
>20 mg/L	LC50 (4h)	Inhalation	
Cyclohexane			
5100 mg/kg	LD50	Oral	Rat
>2000 mg/kg	LD50	Dermal	
>20 mg/l	LC50 (4h)	Inhalation	
Acetone			
5800 mg/kg	LD50	Oral	Rat
7426 mg/kg	LD50	Dermal	Rabbit
76 mg/l	LC50 (4h)	Inhalation	Rat

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Hydrocarbons, 6, isoalkanes, <5% n-hexanes			
>2000 mg/kg	LD50	Oral	
>2000 mg/kg	LD50	Dermal	
>20 mg/L	LC50	Inhalation	

11.2 Information on other hazards

- **Endocrine disrupting properties**
Endocrine-disrupting properties: The product fails to meet the criteria
- **Other information**
Non-applicable

SECTION 12: Ecological information

The experimental information related to the eco-toxicological properties of the product itself not available

12.1 Toxicity

• Acute toxicity

Identification	Concentration	Species	Genus
Cyclohexane	LC50 >0,1 - 1 mg/l (96h)		Fish
	EC50 >0,1 - 1 mg/l (48h)		Crustacean
	EC50 >0,1 - 1 mg/l (72h)		Algae
Acetone	LC50 5540 mg/l (96h)	Oncorhynchus mykiss	Fish
	EC50 8800 mg/l (48h)	Daphnia pulex	Crustacean
	EC50 3400 mg/l (48h)	Chlorella pyrenoidosa	Algae
Hydrocarbons, C6-C7, n-alkanes, iso-alkanes, cyclics, <5% n-Hexane	LC50 5,1 mg/l (96h)	Oncorhynchus mykiss	Fish
	EC50 Non-applicable		
	EC50 Non-applicable		
Ethyl acetate	LC50 230 mg/l (96h)	Pimephales promelas	Fish
	EC50 717 mg/l (48h)	Daphnia magna	Crustacean
	EC50 3300 mg/l (48h)	Scenedesmus subspicatus	Algae
Rosin	LC50 150 mg/l (96h)	Brachydanio rerio	Fish
	EC50 238 mg/l (48h)	Daphnia magna	Crustacean
	EC50 185 mg/l (72h)	Selenastrum capricornutum	Algae
Hydrocarbons, C6, isoalkanes, <5% n-hexane	LC50 Non-applicable		
	EC50 3,87 mg/l (48h)	Daphnia magna	Crustacean
	EC50 55 mg/l (72h)	Scenedesmus subspicatus	Algae

• Chronic toxicity

Identification	Concentration	Species	Genus
Acetone	NOEC Non-applicable		
	NOEC 2212 mg/l	Daphnia magna	Crustacean
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	NOEC Non-applicable		
	NOEC 0,17 mg/l	Daphnia magna	Crustacean
Ethyl acetate	NOEC 9,65 mg/l	Pimephales promelas	Fish
	NOEC 2,4 mg/l	Daphnia magna	Crustacean

12.2 Persistence and degradability

• Substance-specific information

Identification	Degradability		Biodegradability	
Cyclohexane	BOD5	Non-applicable	Concentration	100 mg/l
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradability	0 %
Acetone	BOD5	Non-applicable	Concentration	100 mg/l
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradability	96 %
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-Hexane	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradability	98 %
Ethyl acetate	BOD5	1,36 g O2/g	Concentration	100 mg/l
	COD	1,69 g O2/g	Period	14 days

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	BOD5/COD	0,8	% Biodegradability	83 %
Rosin	BOD5	Non-applicable	Concentration	On-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradability	32 %
Hydrocarbons, C6, isoalkanes, <5% n-hexane	BOD5	Non-applicable	Concentration	100 mg/l
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradability	98 %

12.3 Bioaccumulative potential

• Substances-specific information

Identification	Bioaccumulation potential	
Cyclohexane CAS: 110-82-7 EC: 203-806-2	BCF	66
	Pow Log	3,44
	Potential	Moderate
Acetone CAS: 67-64-1 EC: 200-662-2	BCF	1
	Pow Log	-0,24
	Potential	Low
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	BCF	30
	Pow Log	0,73
	Potential	Moderate
Hydrocarbons, C6, isoalkanes, <5% n-hexane CAS: 64742-49-0 EC: 931-254-9	BCF	501
	Pow Log	3,6
	Potential	High

12.4 Mobility in soil

Identification	Absorption/Desorption		Volatility	
Cyclohexane CAS: 110-82-7 EC: 203-806-2	Koc	Non-applicable	Henry	Non-applicable
	Conclusion	Non-applicable	Dry soil	Non-applicable
	Surface tension	2,465E-2 N/m (25°C)	Moist soil	Non-applicable
Acetone CAS: 67-64-1 EC: 200-662-2	Koc	1	Henry	2,93 Pa*m ³ /mol
	Conclusion	Very high	Dry soil	Yes
	Surface tension	2,304E-2 N/m (25°C)	Moist soil	Yes
Ethyl acetate CAS: 141-78-6 EC: 205-500-4	Koc	59	Henry	13,58 Pa*m ³ /mol
	Conclusion	Very high	Dry soil	Yes
	Surface tension	2,324E-2 N/m (25°C)	Moist soil	Yes

12.5 Results of PBT and vPvB assessment

Product fails to meet PBT/vPvB criteria

12.6 Endocrine disrupting properties

Endocrine-disrupting properties: The product fails to meet the criteria

12.7 Other adverse effects

Not described

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Code	Description	Waste class (Regulation (EU) Np 1357/2014)
	It is not possible to assign a specific code, as it depends on the intended use by the user	Dangerous

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- **Typ of waste (Regulation (EU) No 1357/2014)**
HP14 Ecotoxic, HP3 Flammable, HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity, HP4 Irritant – skin irritation and eye damage
- **Waste management (disposal and evaluation)**
Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to drains. See paragraph 6.2.
- **Regulations related to waste management**
In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated.
Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: Transport information

Transport of dangerous goods

14.1 UN number or ID number

UN 1133

14.2 UN proper shipping name

ADR (by land):

ADHESIVES

RID (by land):

ADHESIVES

IMDG (by sea):

ADHESIVES

IATA/ICAO (by air):

ADHESIVES

14.3 Transport hazard classes

ADR:

3

RID:

3

IMDG:

3

IATA/ICAO:

3



14.4 Packing group

ADR:

III

RID:

III

IMDG:

III

IATA/ICAO:

III

14.5 Marine pollutant

ADR:

Yes

RID:

Yes

IMDG:

Yes

IATA/ICAO:

Yes

14.6 Special precautions for user

	Special regulations	Tunnel restriction code / EmS Code	Physico-Chemical properties	Limited quantities
ADR	Non-applicable	D/E	See section 9	5 L
RID	Non-applicable	D/E	See section 9	5 L
IMDG	955, 223	F-E, S-D	See section 9	5 L
IATA/ICAO			See section 9	

14.7 Maritime transport in bulk according to IMO instruments

Non-applicable

SECTION 15: Regulatory information

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable
Substances included in Annex XIV of REACH („Authorisation List“) and sunset date: Non-applicable
Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable
Article 95, REGULATION (EU) No 528/2012: Non-applicable
REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

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- **Seveso III**

Section	Description	Lower-tier requirements	Upper-tier requirements
P5c	Flammable Liquids	5000	50000
E1	Environmental Hazards	100	200

- **Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII REACH, etc...)**

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors: Contains acetone. Product under the provisions of Article 9. However, products that contain explosives precursors only to such a small extent and in such complex mixtures that the extraction of the explosives precursors is technically extremely difficult should be excluded from the scope of this Regulation.

Shall not be used in:

- Ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays
- Tricks and jokes
- Games for one or more participants, or any article intended to be used as such, even with ornamental aspects

- **Specific provisions in terms of protecting people or the environment**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

- **Other legislation**

The product could be affected by sectorial legislation

15.2 Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

SECTION 16: Other information

- **Legislation related to safety data sheets**

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

- **Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks**

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COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances
Hydrocarbons, C6, isoalkanes, <5% n-hexane (64742-49-0)

Information on basic physical and chemical properties (SECTION 9)

- Flash Point

- **Texts of the legislative phrases mentioned in section 2**

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
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

- **Texts of the legislative phrases mentioned in section 3**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

- **CLP Regulation No 1272/2008**

Aquatic Acute 1: H400	Very toxic to aquatic life
Aquatic Chronic 1: H410	Very toxic to aquatic life with long lasting effects
Aquatic Chronic 2: H411	Toxic to aquatic life with long lasting effects
Asp. Tox. 1: H304	May be fatal if swallowed and enters airways
Eye Irrit. 2: H319	Causes serious eye irritation
Flam. Liq. 2: H225	Highly flammable liquid and vapour.
Skin Irrit. 2: H315	Causes skin irritation
Skin Sens. 1: H317	May cause an allergic skin reaction
STOT SE 3: H336	May cause drowsiness or dizziness

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- **Classification procedure**

Skin Sens. 1 Calculation method
STOT SE 3 Calculation method
Skin Irrit. 2 Calculation method
Aquatic Chronic 1 Calculation method
Aquatic Acute 1 Calculation method
Flam. Liq. 2 Calculation method (2.6.4.3)
Eye Irrit. 2 Calculation method

- **Advice related to training**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

- **Abbreviations and acronyms**

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5 day biochemical oxygen demand
BCF: Bioconcentration factor
LogPOW: Octanolwater partition coefficient
Koc: Partition coefficient of organic carbon
LC50: Lethal Concentration 50
LD50: Lethal Dose 50
EC50: Effective concentration 50
UFI: unique formula identifier
IARC: International Agency for Research on Cancer