

Safety data sheet
according to Regulation (EC) No 1907/2006, Article 31

Printing date 31.08.2025

Version number 1

Revision: 21.08.2025

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

· **1.1 Product identifier**

- **Trade name: 1-NG120**
- **UFI: 3K02-ETED-GWHF-2P8P**

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

- **Product category PC1 Adhesives, sealants**
- **Application of the substance / the mixture Adhesives**

· **1.3 Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**
HOTTINGER BRÜEL & KJÆR UK LTD
Advanced Manufacturing Park Technology Centre
Brunel Way, Catcliffe, Rotherham
South Yorkshire, S60 5WG
United Kingdom
Phone: +44 (0) 1145 512230
Email: info@uk.hbm.com

· **Informing department:**

Tel. +49(0)6131 19240
EMail support-esa@hbkworld.com

· **1.4 Emergency telephone number:**

Gift-Informationszentrum Nord, Göttingen
Poison Information Center, Göttingen
Tel.: +49 (0)551 19240
(German and English only)

United Kingdom:

National Poisons Information Service
Emergency number: +44 844 892 0111

Poisons Information Centre of Ireland:

+353 1 837 9964 for medical professionals
+353 1 809 2166 for public inquiries
CHEMTREC: +44 20 3807 3798 (24h emergency call).
Outside continental USA please call CHEMTREC at +1-703-527-3887 (R-calls are accepted).

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

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GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS05 GHS07

Signal word Danger

Hazard-determining components of labelling:

Fumarated rosin

acetone

salicylic acid

Hazard statements

H225 Highly flammable liquid and vapour.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H412 Harmful 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 dust/fume/gas/mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection / face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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.

Additional information:

Please refer to further labelling elements in section 15 of this safety data sheet, if applicable.

Product contains: Reportable explosives precursors. Making available, introduction, possession and use according to Regulation (EU) 2019/1148, Article 9.

2.3 Other hazards

Results of PBT and vPvB assessment

- PBT: Not applicable.

- vPvB: Not applicable.

Determination of endocrine-disrupting properties

69-72-7 salicylic acid

List II; III

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98-54-4 4-tert-butylphenol

List I

SECTION 3: Composition/information on ingredients

3.2 Mixtures

· **Description:** Mixture of the substances listed below, possibly with undeclared additives.

· Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-X	acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336, EUH066	25 - 100%
CAS: 65997-04-8	Fumarated rosin ⚠ Eye Dam. 1, H318; ⚠ Skin Sens. 1, H317; Aquatic Chronic 4, H413	≥ 3 - < 10%
CAS: 69-72-7 EINECS: 200-712-3 Index number: 607-732-00-5 Reg.nr.: 01-2119486984-17-X	salicylic acid ⚠ Repr. 2, H361d; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≥ 2.5 - < 3%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32-X	zinc oxide ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥ 0.25 - < 2.5%
CAS: 98-54-4 EINECS: 202-679-0 Index number: 604-090-00-8 Reg.nr.: 01-2119489419-21-X	4-tert-butylphenol ⚠ Repr. 2, H361f; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; ED ENV 1, EUH430	≥ 0.25 - < 1%

· SVHC

98-54-4 4-tert-butylphenol

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

· General information

Personal protection for the First Aider.

If symptoms occur or in case of doubt consult a doctor.

· **After inhalation** Supply fresh air; consult doctor in case of symptoms.

· After skin contact

Wash affected areas with plenty of water.

If skin irritation continues, consult a doctor.

· After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

Remove contact lenses if possible.

· After swallowing

Rinse out mouth and then drink plenty of water.

In case of persistent symptoms consult doctor.

4.2 Most important symptoms and effects, both acute and delayed Allergic reactions

· **After skin contact:** skin irritation

· **After eye contact:** Risk of serious eye damage

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- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
Extinguishing powder, foam or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **5.2 Special hazards arising from the substance or mixture**
Inhalation of combustion gases may cause serious health hazards.
Can be released in case of fire:
Carbon monoxide and carbon dioxide
Nitrogen oxides (NO_x)
Hydrogen cyanide (HCN)
Hydrocarbons
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained breathing apparatus.
Wear protective clothing.
- **Additional information** Remove goods in stock from incendiary zone, if possible.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Keep away from sources of ignition - No smoking.
- **For non-emergency personnel** Avoid contact with the product.
- **For emergency responders** Put on suitable personal protective equipment.
- **6.2 Environmental precautions:**
Do not allow to enter drainage system, ground/soil and water bodies.
Dilute with much water.
Inform respective authorities in case product reaches water or sewage system.
If material reaches soil inform authorities responsible for such cases.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the material collected according to regulations.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for information on disposal.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.

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Protect against electrostatic charges.

- **Handling**

Do not eat, drink or smoke while working.

Avoid contact with the eyes and skin.

Wear suitable protective clothing at work.

- **7.2 Conditions for safe storage, including any incompatibilities**

- **Storage**

- **Requirements to be met by storerooms and containers:** Store in cool location.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:**

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Components with limit values that require monitoring at the workplace:**

WEL: workplace exposure limit

OEL: Occupational Exposure Limit

IOELV: Indicative Occupational Exposure Limit Values, workplace threshold value of the European Union

67-64-1 acetone

IOELV (European Union)	Long-term value: 1210 mg/m ³ , 500 ppm
WEL (Great Britain)	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm

- **DNELs**

67-64-1 acetone

Oral	DNEL (consumer, long-term, systemic)	62 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	186 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	62 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	1,210 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	200 mg/m ³ (human)
	DNEL (worker, short-term, local)	2,420 mg/m ³ (human)

65997-04-8 Fumarated rosin

Oral	DNEL (consumer, long-term, systemic)	2 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	3 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	2 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	19 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	6 mg/m ³ (human)

98-54-4 4-tert-butylphenol

Oral	DNEL (consumer, long-term, systemic)	0.026 mg/kg bw/day (human)
Dermal	DNEL (worker, long-term, systemic)	0.071 mg/kg bw/day (human)
	DNEL (consumer, long-term, systemic)	0.026 mg/kg bw/day (human)
Inhalative	DNEL (worker, long-term, systemic)	0.5 mg/m ³ (human)
	DNEL (consumer, long-term, systemic)	0.09 mg/m ³ (human)

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· PNECs**67-64-1 acetone**

PNEC aqua (fresh water)	10.6 mg/L (.)
PNEC Water (marine water)	1.06 mg/L (.)
PNEC STP - Sewage Treatment Plant	100 mg/L (.)
PNEC soil	29.5 mg/kg soil dw (.)
PNEC sediment (fresh water)	30.4 mg/kg sedim. dw (.)
PNEC sediment (marine water)	3.04 mg/kg sedim. dw (.)
PNEC Water (sporadic release)	21 mg/L (.)

1314-13-2 zinc oxide

PNEC aqua (fresh water)	0.0179 mg/L (.)
PNEC Water (marine water)	0.009 mg/L (.)
PNEC STP - Sewage Treatment Plant	0.1245 mg/L (.)
PNEC soil	103.4 mg/kg soil dw (.)
PNEC sediment (fresh water)	182.8 mg/kg sedim. dw (.)
PNEC sediment (marine water)	201.9 mg/kg sedim. dw (.)

98-54-4 4-tert-butylphenol

PNEC aqua (fresh water)	0.1 mg/L (.)
PNEC Water (marine water)	0.001 mg/L (.)
PNEC STP - Sewage Treatment Plant	1.5 mg/L (.)
PNEC soil	0.25 mg/kg soil dw (.)
PNEC sediment (fresh water)	0.27 mg/kg sedim. dw (.)
PNEC sediment (marine water)	0.027 mg/kg sedim. dw (.)
PNEC Water (sporadic release)	0.048 mg/L (.)
PNEC oral	46.67 mg/kg food (.)

· **Additional information:** The lists that were valid during the compilation were used as basis.

· 8.2 Exposure controls

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

· **General protective and hygienic measures**

Keep away from foodstuffs, beverages and food.

Take off all contaminated clothing immediately.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Breathing equipment:**

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.
filter A/P.

· **Hand protection**



Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Only use chemical-protective gloves with CE-labelling of category III (EN 374).

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Recommended material thickness: 0.7 mm, breakthrough time: 480 min.

Nitrile rubber, NBR

Recommended material thickness: 0.4 mm, breakthrough time: 480 min.

- **Penetration time of glove material**

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

- **Eye/face protection**



Safety goggles according to EN 166.



Face protection

- **Body protection:**



Protective work clothing.

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Physical state**

Liquid

- **Colour:**

Brown

- **Odour:**

Acetone-like

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined

- **Boiling point or initial boiling point and boiling range**

56 °C (67-64-1 acetone)

- **Flammability**

Highly flammable.

- **Lower and upper explosion limit**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Flash point:**

< -20 °C

- **Auto-ignition temperature:**

Product is not selfigniting.

- **Decomposition temperature:**

Not determined.

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· SADT	
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity at 40 °C	1.667 mm ² /s
· dynamic:	Not determined.
· Solubility	
· Water:	Slightly soluble
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C	0.9 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Particle characteristics	No further details.
· 9.2 Other information	
· Appearance:	
· Form:	Viscous
· Important information on protection of health and environment, and on safety.	
· Self-inflammability:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
· Solvent content:	
· Organic solvents:	40 - 70 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Highly flammable liquid and vapour.
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** The product is stable under normal handling and storage conditions (dry).

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- **10.2 Chemical stability**
The product is stable under normal handling and storage conditions (see section 7).
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known
- **10.4 Conditions to avoid** All sources of ignition: heat, sparks, open flame, electrostatic discharges.
- **10.5 Incompatible materials:** Strong oxidizing agents
- **10.6 Hazardous decomposition products:**
None in case of intended use and storage in compliance with instructions.

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.

- **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimates)

Oral	LD50	> 29,700 mg/kg (Rat)
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67-64-1 acetone

Oral	LD50	5,800 mg/kg (Rat)
Dermal	LD50	> 7,426 mg/kg (guinea pig) (21 CFR 191.10)
		> 7,426 mg/kg (rabbit) (21 CFR 191.10)
Inhalative	LC50	132 mg/l/3h (Rat)

65997-04-8 Fumarated rosin

Oral	LD50	2,000 mg/kg (Rat)
------	------	-------------------

69-72-7 salicylic acid

Oral	LD50	891 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 10,000 mg/kg (rabbit) (OECD 402)
		> 700 mg/l/7h (Rat)
Inhalative	LC0	> 700 mg/l/7h (Rat)

1314-13-2 zinc oxide

Oral	LD50	> 5,000 mg/kg (Rat) (OECD 401)
Inhalative	LC50	> 5.7 mg/l/4h (Rat) (OECD 403)

98-54-4 4-tert-butylphenol

Oral	LD50	> 2,000 mg/kg (Rat) (OECD 401)
Dermal	LD50	> 16,000 mg/kg (rabbit) (OECD 402)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Causes serious eye damage.
- **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.

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- **Additional toxicological information:**

- **Repeated dose toxicity**

67-64-1 acetone

Oral | NOAEL (90d) | 3,100 mg/kg bw/day (Rat) (OECD 408)

1314-13-2 zinc oxide

Oral | NOAEL (90d) | > 81 mg/kg bw/day (ferret)

98-54-4 4-tert-butylphenol

Oral | NOAEL (90d) | 50 mg/kg bw/day (Rat)

- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

69-72-7	salicylic acid	List II; III
98-54-4	4-tert-butylphenol	List I

SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

67-64-1 acetone

EC50 > 10,000 mg/l/24h (Daphnia magna)

LC50 (dynamic) 8,120 mg/l/96h (Pimephales promelas) (OECD 203)

65997-04-8 Fumarated rosin

EC50 16 - 1,000 mg/l/48h (aquatic invertebrates)

IC50 100 - 1,000 mg/l/72h (aquatic algae and cyanobacteria)

LC50 9,3 - 1,000 mg/l/96h (fish)

1314-13-2 zinc oxide

EC50 (static) 2.6 mg/l/48h (Daphnia magna) (OECD 202)

IC50 (static) 0.136 mg/l/72h (Raphidocelis subcapitata) (OECD 201)

LC50 (static) 0.727 mg/l/96h (Oncorhynchus kisutch)

1.793 mg/l/96h (Brachydario rerio)

EC50 (static) 0.136 mg/l/72h (Raphidocelis subcapitata)

NOEC 0.024 mg/l/72h (Raphidocelis subcapitata) (OECD 201)

98-54-4 4-tert-butylphenol

EC50 (static) 4.8 mg/l/48h (Daphnia magna) (OECD 202)

LC50 > 1 mg/l/96h (Oncorhynchus mykiss) (OECD 203)

EC50 (static) 14 mg/l/72h (Raphidocelis subcapitata) (OECD 201)

- **12.2 Persistence and degradability** No further relevant information available.

- **Other information:** There are no data available about the preparation.

- **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Endocrine disrupting properties**

For information on endocrine disrupting properties see section 11.

- **12.7 Other adverse effects** No further relevant information available.

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- **Remark:** Harmful to fish

- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Harmful to aquatic organisms

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

The waste code numbers mentioned are recommendations based on the probable use of the product.

- **European waste catalogue**

08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS
08 04 00	wastes from MFSU of adhesives and sealants (including waterproofing products)
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances
20 00 00	MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS
20 01 00	separately collected fractions (except 15 01)
20 01 27*	paint, inks, adhesives and resins containing hazardous substances
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP14	Ecotoxic

- **Uncleaned packagings:**

- **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR/RID, IMDG, IATA**

UN1133

- **14.2 UN proper shipping name**

- **ADR/RID**

1133 ADHESIVES, special provision 640D

- **IMDG, IATA**

ADHESIVES

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· **14.3 Transport hazard class(es)**

· **ADR/RID**



· **Class** 3 (F1) Flammable liquids.
 · **Label** 3

· **IMDG**



· **Class** 3 Flammable liquids.
 · **Label** 3

· **IATA**



· **Class** 3 Flammable liquids.
 Not Restricted.
 · **Label** 3

· **14.4 Packing group**

· **ADR/RID, IMDG, IATA** II

· **14.5 Environmental hazards:** Not applicable.

· **14.6 Special precautions for user** Warning: Flammable liquids.

· **Kemler Number:** 33

· **EMS Number:** F-E,S-D

· **Stowage Category** B

· **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

· **Transport/Additional information:**

· **ADR/RID**

· **Limited quantities (LQ)** 5L
 · **Excepted quantities (EQ)** Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

· **Transport category**

2

· **Tunnel restriction code**

D/E

· **IMDG**

· **Limited quantities (LQ)** 5L
 · **Excepted quantities (EQ)** Code: E2
 Maximum net quantity per inner packaging: 30 ml
 Maximum net quantity per outer packaging: 500 ml

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UN "Model Regulation":	UN 1133 ADHESIVES, 3, II
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SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P5c** FLAMMABLE LIQUIDS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII**
Taking into account the intended use as specified in section 1, the relevant entries from Annex XVII are carried out.
Conditions of restriction: 3
- **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**
None of the ingredients is listed.
- **REGULATION (EU) 2019/1148**
- **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**
None of the ingredients is listed.
- **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**
- 67-64-1 | acetone
- **Regulation (EC) No 273/2004 on drug precursors**
- 67-64-1 | acetone 3
- **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**
- 67-64-1 | acetone 3
- **National regulations**
- **Water hazard class:**
- **Substances of very high concern (SVHC) according to REACH, Article 57**
- 98-54-4 | 4-tert-butylphenol
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This safety data sheet meets the requirements of Regulation (EU) 2015/830 and 2020/878 amending Annex II of Regulation (EC) 1907/2006.

- **Relevant phrases**

The phrases specified here are no labelling elements for the product but repeat the properties of the ingredients from section 3.

EUH430 May cause endocrine disruption in the environment.

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Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

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- H225 Highly flammable liquid and vapour.
- H302 Harmful if swallowed.
- 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.
- H361d Suspected of damaging the unborn child.
- H361f Suspected of damaging fertility.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.
- EUH066 Repeated exposure may cause skin dryness or cracking.

· **Classification according to Regulation (EC) No 1272/2008** Calculation method

· **Department issuing data specification sheet:**

► **DEKRA** This Safety Data Sheet has been drawn up in cooperation with:
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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 ATE: Acute toxicity estimate values
 Flam. Liq. 2: Flammable liquids – Category 2
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 Repr. 2: Reproductive toxicity – Category 2
 Repr. 2: Reproductive toxicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4