

Safety Data Sheet

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

Printing date 14.03.2025

Version number 3 (replaces version 2)

Revision: 14.03.2025

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

1.1 Product identifier

Trade name: **Rigips Korrosionsschutzspray**

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

No further relevant information available.

Application of the substance / the mixture Construction chemicals

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Saint-Gobain Rigips GmbH

Willstätterstraße 60

D-40549 Düsseldorf

Germany

Phone: +49 (0)211 5503 - 0

forschung-entwicklung@rigips.de

1.4 Emergency telephone number:

+49 (0)30 30686700

Charité Berlin, 24/7

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS02 flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



GHS07

Eye Irrit. 2

H319

Causes serious eye irritation.

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 GHS07

Signal word Danger

Hazard-determining components of labelling:

acetone

Solvent naphtha (petroleum), light arom.

Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

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n-butyl acetate

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

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

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

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

EUH205 Contains epoxy constituents. May produce an allergic reaction.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties

Does not contain substances with endocrine-disrupting properties.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture consisting of the following components.

Dangerous components:

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43-xxxx	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319 substance with a Community workplace exposure limit	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane liquefied ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280 substance with a Community workplace exposure limit	10-25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane, pure ⚠ Flam. Gas 1A, H220; Press. Gas (Comp.), H280 Note: C substance with a Community workplace exposure limit	10-25%

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CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49-xxxx	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 substance with a Community workplace exposure limit	≥5-<10%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-xxxx	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 substance with a Community workplace exposure limit	2-5%
CAS: 112-07-2 EINECS: 203-933-3 Index number: 607-038-00-2 Reg.nr.: 01-2119475112-47-xxxx	2-butoxyethyl acetate Acute Tox. 4, H312; Acute Tox. 4, H332 substance with a Community workplace exposure limit	2-5%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066 substance with a Community workplace exposure limit	2-5%
CAS: 64742-48-9 EC number: 919-857-5 Reg.nr.: 01-2119463258-33-xxxx	Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; STOT SE 3, H336, EUH066 substance with a Community workplace exposure limit	2-5%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4 Reg.nr.: 01-2119486773-24-xxxx	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336 Note: H, P, 4 substance with a Community workplace exposure limit	≥2.5-<5%
CAS: 1314-13-2 EINECS: 215-222-5 Index number: 030-013-00-7 Reg.nr.: 01-2119463881-32-xxxx	zinc oxide Aquatic Acute 1, H400 (M=1); Aquatic Chronic 1, H410 (M=1)	≥0.25-<1%
CAS: 25068-38-6 NLP: 500-033-5 Index number: 603-074-00-8 Reg.nr.: 01-2119456619-26-xxxx	reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700) Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317, EUH205 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 %	≥0.25-<1%

SVHC Void

Additional information For the wording of the listed hazard statements refer to section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.

After inhalation Supply fresh air; consult doctor in case of complaints.

After skin contact Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse liquid should be tempered (20-30°C).

After swallowing Rinse mouth. DO NOT induce vomiting. If symptoms persist consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment: No special measures required.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources

6.2 Environmental precautions:

The product must not get into watercourses or into the soil.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Dispose of contaminated material as waste according to section 13.

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 disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

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Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

Store only in unopened original receptacles.

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

Further information about storage conditions: None.

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs

CAS: 64-17-5 ethanol

Inhalative	Derived No Effect Level	380 mg/m ³ (worker systemic long term value) 114 mg/m ³ (consumer systemic long term value)
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CAS: 67-64-1 acetone

Oral	Derived No Effect Level	62 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	186 mg/kgxday (worker systemic long term value) 62 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	1,210 mg/m ³ (worker systemic long term value) 200 mg/m ³ (consumer systemic long term value)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Oral	Derived No Effect Level	36 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	796 mg/kgxday (worker systemic long term value) 320 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	275 mg/m ³ (worker systemic long term value) 33 mg/m ³ (consumer systemic long term value) 550 mg/m ³ (worker local short term value) 33 mg/m ³ (consumer local long term value)

CAS: 112-07-2 2-butoxyethyl acetate

Oral	Derived No Effect Level	8.6 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	169 mg/kgxday (worker systemic long term value) 102 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	133 mg/m ³ (worker systemic long term value) 80 mg/m ³ (consumer systemic long term value)

CAS: 123-86-4 n-butyl acetate

Oral	Derived No Effect Level	2 mg/kgxday (consumer systemic long term value) 2 mg/kgxday (consumer systemic short term value)
Dermal	Derived No Effect Level	11 mg/kgxday (worker systemic long term value) 11 mg/kgxday (worker systemic short term value)

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Inhalative	Derived No Effect Level	6 mg/kgxday (consumer systemic long term value) 6 mg/kgxday (consumer systemic short term value) 300 mg/m ³ (worker systemic long term value) 600 mg/m ³ (worker systemic short term value) 35.7 mg/m ³ (consumer systemic long term value) 300 mg/m ³ (consumer systemic short term value) 600 mg/m ³ (worker local short term value) 300 mg/m ³ (worker local long term value) 35.7 mg/m ³ (consumer local long term value) 300 mg/m ³ (consumer local short term value)
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CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Oral	Derived No Effect Level	46 mg/kgxday (consumer systemic short term value)
Dermal	Derived No Effect Level	77 mg/kgxday (worker systemic long term value) 46 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	871 mg/m ³ (worker systemic long term value) 185 mg/m ³ (consumer systemic long term value)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

Inhalative	Derived No Effect Level	1.9 mg/m ³ (worker systemic long term value) 0.41 mg/m ³ (consumer systemic long term value)
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CAS: 25068-38-6 reaction product: bisphenol-A(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

Oral	Derived No Effect Level	0.75 mg/kgxday (consumer systemic long term value) 0.75 mg/kgxday (consumer systemic short term value)
Dermal	Derived No Effect Level	8.33 mg/kgxday (worker systemic long term value) 8.33 mg/kgxday (worker systemic short term value) 3.571 mg/kgxday (consumer systemic long term value) 3.571 mg/kgxday (consumer systemic short term value)
Inhalative	Derived No Effect Level	12.3 mg/m ³ (worker systemic long term value) 12.3 mg/m ³ (worker systemic short term value)

PNECs
CAS: 64-17-5 ethanol

Predicted No-Effect Concentration	0.63 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.79 mg/l (sea water rating factor) 0.96 mg/l (fresh water rating factor)

CAS: 67-64-1 acetone

Predicted No-Effect Concentration	29.5 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	1.06 mg/l (sea water rating factor) 10.6 mg/l (fresh water rating factor)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Predicted No-Effect Concentration	0.29 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.064 mg/l (sea water rating factor) 0.635 mg/l (fresh water rating factor)

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CAS: 112-07-2 2-butoxyethyl acetate

Predicted No-Effect Concentration	0.415 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.03 mg/l (sea water rating factor)
	0.304 mg/l (fresh water rating factor)

CAS: 123-86-4 n-butyl acetate

Predicted No-Effect Concentration	0.09 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.018 mg/l (sea water rating factor)
	0.18 mg/l (fresh water rating factor)

CAS: 1314-13-2 zinc oxide

Predicted No-Effect Concentration	0.0072-0.009 mg/l (sea water rating factor)
	0.0144-0.0179 mg/l (fresh water rating factor)

Ingredients with biological limit values:
CAS: 67-64-1 acetone

BGW (Germany)	50 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
VLB (Spain)	50 mg/l Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: Acetona
IBE (Italy)	50 mg/l Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: acetone
IBE (Portugal)	50 mg/L Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: Acetona

CAS: 112-07-2 2-butoxyethyl acetate

BGW (Germany)	150 mg/g Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: Butoxyessigsäure (nach Hydrolyse)
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CAS No. / Designation of material / % / Type / Value / Unit
CAS: 64-17-5 ethanol

TWA (Italy)	Short-term value: 1884 mg/m ³ , 1000 ppm A3
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CAS: 74-98-6 propane liquefied

AGW (Germany)	Long-term value: 1800 mg/m ³ , 1000 ppm 4(II);DFG
GV (Denmark)	Short-term value: 3600 mg/m ³ , 2000 ppm Long-term value: 1800 mg/m ³ , 1000 ppm
LEP (Spain)	Long-term value: 1000 ppm
TWA (Italy)	Long-term value: 1000 ppm

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VLE (Portugal)	*Ver Anexo F: Teor mínimo de oxigénio; Asfixia
HTP (Finland)	Short-term value: 2000 mg/m ³ , 1100 ppm Long-term value: 1500 mg/m ³ , 800 ppm liite 4

CAS: 106-97-8 butane, pure

AGW (Germany)	Long-term value: 2400 mg/m ³ , 1000 ppm 4(II);DFG
GV (Denmark)	Short-term value: 2400 mg/m ³ , 1000 ppm Long-term value: 1200 mg/m ³ , 500 ppm
LEP (Spain)	Long-term value: 1000 ppm
TWA (Italy)	Long-term value: 1000 ppm
VLE (Portugal)	Short-term value: 1000 ppm Afeção do SNC
HTP (Finland)	Short-term value: 2400 mg/m ³ , 1000 ppm Long-term value: 1900 mg/m ³ , 800 ppm liite 4

CAS: 67-64-1 acetone

IOELV (European Union)	Long-term value: 1210 mg/m ³ , 500 ppm
AGW (Germany)	Long-term value: 1200 mg/m ³ , 500 ppm 2(I);AGS, DFG, EU, Y
GV (Denmark)	Short-term value: 1200 mg/m ³ , 500 ppm Long-term value: 600 mg/m ³ , 250 ppm E
LEP (Spain)	Long-term value: 1210 mg/m ³ , 500 ppm VLB, VLI
TWA (Italy)	Short-term value: 1781 mg/m ³ , (750) ppm Long-term value: 1187 mg/m ³ , (500) ppm A4, IBE
VL (Italy)	Long-term value: 1210 mg/m ³ , 500 ppm
VLE (Portugal)	Short-term value: (750) ppm Long-term value: (500) ppm (A4),IBE;(Irrit.ocular,TRS;SNC,Efeitos hematológ.)
OEL (Sweden)	Short-term value: 1200 mg/m ³ , 500 ppm Long-term value: 600 mg/m ³ , 250 ppm V
HTP (Finland)	Short-term value: 1500 mg/m ³ , 630 ppm Long-term value: 1200 mg/m ³ , 500 ppm

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

IOELV (European Union)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin
AGW (Germany)	Long-term value: 270 mg/m ³ , 50 ppm 1(I);DFG, EU, Y
GV (Denmark)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm EH

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LEP (Spain)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm vía dérmica, VLI
VL (Italy)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Cute
OEL (Sweden)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm H
HTP (Finland)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 270 mg/m ³ , 50 ppm iho

CAS: 112-07-2 2-butoxyethyl acetate

IOELV (European Union)	Short-term value: 333 mg/m ³ , 50 ppm Long-term value: 133 mg/m ³ , 20 ppm Skin
AGW (Germany)	Long-term value: 65 mg/m ³ , 10 ppm 2(I);EU, DFG, H, Y, 11
GV (Denmark)	Short-term value: 333 mg/m ³ , 50 ppm Long-term value: 134 mg/m ³ , 20 ppm EH
LEP (Spain)	Short-term value: 333 mg/m ³ , 50 ppm Long-term value: 133 mg/m ³ , 20 ppm vía dérmica, VLI
TWA (Italy)	Long-term value: 131 mg/m ³ , 20 ppm A3
VL (Italy)	Short-term value: 333 mg/m ³ , 50 ppm Long-term value: 133 mg/m ³ , 20 ppm Cute
VLE (Portugal)	Long-term value: 20 ppm A3; Hemólise
OEL (Sweden)	Short-term value: 333 mg/m ³ , 50 ppm Long-term value: 70 mg/m ³ , 10 ppm H
HTP (Finland)	Short-term value: 330 mg/m ³ , 50 ppm Long-term value: 130 mg/m ³ , 20 ppm iho

CAS: 123-86-4 n-butyl acetate

IOELV (European Union)	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm
AGW (Germany)	Long-term value: 300 mg/m ³ , 62 ppm 2(I);AGS, Y
GV (Denmark)	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm E
LEP (Spain)	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm VLI

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TWA (Italy)	Short-term value: 950 mg/m ³ , 200 ppm Long-term value: 713 mg/m ³ , 150 ppm
VL (Italy)	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm
VLE (Portugal)	Short-term value: 200 ppm Long-term value: 150 ppm Irritação ocular e do TRS
OEL (Sweden)	Short-term value: 723 mg/m ³ , 150 ppm Long-term value: 241 mg/m ³ , 50 ppm
HTP (Finland)	Short-term value: 725 mg/m ³ , 150 ppm Long-term value: 240 mg/m ³ , 50 ppm
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
MAK (Germany)	Long-term value: 300 mg/m ³ , 50 ppm vgl. Abschn. Xc
CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.	
MAK (Germany)	Long-term value: 200 mg/m ³ , 50 ppm TRGS 900, Gruppe 3

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

Use a moisturising skin cream after processing the product.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device.

In case of intensive or longer exposure use self-contained respiratory protective device.

Hand protection Protective gloves.

For the permanent contact gloves made of the following materials are suitable:

Butyl rubber, BR

Nitrile rubber, NBR

Eye/face protection Safety glasses.

Body protection: Protective work clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Aerosol

Colour:

Silver-coloured

Odour:

Like aromatic solvents

Odour threshold:

Not determined.

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Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	Not applicable, as aerosol
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	1.3 Vol % (DIN 51649, CAS: 64-17-5 ethanol)
Upper:	15 Vol % (DIN 51649, CAS: 64-17-5 ethanol)
Flash point:	Not applicable, as aerosol
Auto-ignition temperature:	>200 °C (DIN 51794)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	
Water:	Not miscible or difficult to mix
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	4,200 hPa (DIN 51640)
Density and/or relative density	
Density at 20 °C:	0.72 g/cm ³ (DIN 51757)
Relative density	Not determined.
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Aerosol
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Not determined.
Minimum ignition energy	
Solvent content:	
Organic solvents:	80-<135 %
EU-VOC (%)	86.9200 %
EU-VOC (g/L)	634.4000 g/l
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not applicable.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void

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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 No further relevant information available.

10.2 Chemical stability Stable at recommended storage conditions

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 No further relevant information available.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: No dangerous decomposition products known.

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 relevant for classification:

Components	Type	Value	Species
CAS: 64-17-5 ethanol			
Oral	LD50	10,470 mg/kg	(Rat)
Inhalative	LC50/4 h	124.7 mg/l	(Rat)
CAS: 67-64-1 acetone			
Oral	LD50	5,800 mg/kg	(Rat)
Dermal	LD50	20,000 mg/kg	(Rabbit)
Inhalative	LC50/4 h	76 mg/l	(Rat)
CAS: 108-65-6 2-methoxy-1-methylethyl acetate			
Oral	LD50	>5,000 mg/kg	(Rat)
Dermal	LD50	>5,000 mg/kg	(Rat)
CAS: 112-07-2 2-butoxyethyl acetate			
Oral	LD50	2,400 mg/kg	(Rat)
Dermal	LD50	1,580 mg/kg	(rabbit)
CAS: 123-86-4 n-butyl acetate			
Oral	LD50	10,760-12,790 mg/kg	(Rat)
Dermal	LD50	>14,000 mg/kg	(Rabbit)

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Inhalative	LC50/4 h	>21 mg/l (Rat)
CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics		
Oral	LD50	>15,000 mg/kg (Rat)
Dermal	LD50	>3,160 mg/kg (Rabbit)
CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)
CAS: 1314-13-2 zinc oxide		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50/4 h	>5.7 mg/l (Rat)
CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)

Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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.

11.2 Information on other hazards
Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:

Harmful to aquatic life with long lasting effects (H412).

Harmful to aquatic life with long lasting effects.

Type of test / Effective concentration / Method / Assessment
CAS: 64-17-5 ethanol

LC50/48h	5,012 mg/l (aquatic invertebrates)
LC50/96h	14,200-15,300 mg/l (Fish)
LC0/96h	7,960 mg/l (Fish)
EC50/96h	675 mg/l (aquatic algae and cyanobacteria)
	12,900 mg/l (Fish)
EC50/72h	275 mg/l (aquatic algae and cyanobacteria)

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CAS: 106-97-8 butane, pure

LC50/48h	14.22-69.43 mg/l (aquatic invertebrates)
LC50/96h	24.11-147.54 mg/l (Fish)
EC50/96h	7.71-16.5 mg/l (aquatic algae and cyanobacteria)

CAS: 67-64-1 acetone

LC50/48h	8,800 mg/l (aquatic invertebrates)
LC50/24h	2,100 mg/l (aquatic invertebrates)
LC50/96h	5,540-8,120 mg/l (Fish)
NOEC (28d)	1,106-2,212 mg/l (aquatic invertebrates)
EC 10	530 mg/l (aquatic algae and cyanobacteria)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

LC50/48h	408 mg/l (aquatic invertebrates)
LC50/96h	130 mg/l (Fish)
EC50/48h	373-380 mg/l (aquatic invertebrates)
EC50/96h	>1,000 mg/l (aquatic algae and cyanobacteria)
NOEC (96h)	>1,000 mg/l (aquatic algae and cyanobacteria)
NOEC (14d)	47.5 mg/l (Fish)
NOEC (21d)	>100 mg/l (aquatic invertebrates)

CAS: 112-07-2 2-butoxyethyl acetate

LC50/96h	28 mg/l (Fish)
EC50/24h	145 mg/l (aquatic invertebrates)
EC50/48h	37 mg/l (aquatic invertebrates)
EC50/72h	520-1,570 mg/l (aquatic algae and cyanobacteria)

CAS: 123-86-4 n-butyl acetate

LC50/48h	40.53 mg/l (aquatic invertebrates)
	64-141 mg/l (Fish)
LC50/96h	18 mg/l (Fish)
EC50/48h	32-44 mg/l (aquatic invertebrates)
	392 mg/l (Algae)
EC50/96h	18 mg/l (Fish)
EC50/72h	246-674 mg/l (aquatic algae and cyanobacteria)
NOEC (72h)	105-196 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	23.2 mg/l (aquatic invertebrates)

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

LC50/96h	0.002-0.004 mg/l (aquatic invertebrates)
EC50/48h	0.002-0.004 mg/l (aquatic invertebrates)
NOEC (72h)	3-100 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	0.23 mg/l (aquatic invertebrates)
EC 10	1,000 mg/l (microorganisms)

CAS: 64742-95-6 Solvent naphtha (petroleum), light arom.

EC50/96h	10 mg/l (Fish)
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CAS: 1314-13-2 zinc oxide

LC50/96h	0.102-35.98 mg/l (Fish)
EC50/24h	0.14-6 mg/l (aquatic invertebrates)
	0.69-4.55 mg/l (Algae)
	7.1-27.1 mg/l (microorganisms)
EC50/48h	0.105-100 mg/l (aquatic invertebrates)
	39.24 mg/l (Algae)
EC50/96h	0.072-0.103 mg/l (aquatic invertebrates)
	0.042-1.94 mg/l (Algae)
EC50/72h	0.022-53.6 mg/l (Algae)
NOEC (72h)	0.06 mg/l (Algae)
EC 10	0.1 mg/l (Activated sludge)

CAS: 25068-38-6 reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)

LC50/96h	2 mg/l (Leuciscus idus (Orfe))
	1.3 mg/l (Fish)
EC50/24h	4.6 mg/l (Daphnia magna)
EC50/48h	1.8 mg/l (Daphnia magna)
EC50/96h	220 mg/l (Selenastrum capricornutum (Green algae))
NOEC (21d)	0.3 mg/l (Daphnia magna)

12.2 Persistence and degradability No further relevant information available.

Method
CAS: 64-17-5 ethanol

Biod. (28 days) >90 %

CAS: 67-64-1 acetone

Biod. (28 days) 90.9 % (Biodegradation)

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Biod. (28 days) >80 %

CAS: 112-07-2 2-butoxyethyl acetate

Biod. (28 days) 88 % (Biodegradation)

CAS: 123-86-4 n-butyl acetate

Biod. (28 days) >80 %

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

Biod. (28 days) >90 %

Behaviour in environmental systems:
Components:
CAS: 67-64-1 acetone

DT50-value (Degradation Half time) 10 day

12.3 Bioaccumulative potential
CAS: 106-97-8 butane, pure

EBAB 1.09-2.89 log Pow

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CAS: 108-65-6 2-methoxy-1-methylethyl acetate

EBAB | 1.2 log Pow (Biodegradation)

CAS: 112-07-2 2-butoxyethyl acetate

EBAB | 1.51 log Pow

CAS: 123-86-4 n-butyl acetate

EBAB | 2.3 log Pow

CAS: 64742-48-9 Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, < 2% aromatics

EBAB | 3.17-6.23 log Pow

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment
PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects
Remark: Harmful to fish

Behaviour in sewage processing plants:
Type of test / Effective concentration / Method / Assessment
CAS: 108-65-6 2-methoxy-1-methylethyl acetate

EC 50 (3h) | >1,000 mg/l (microorganisms)

CAS: 1314-13-2 zinc oxide

EC 50 (3h) | 5.2-1,000 mg/l (microorganisms)

Other information:
CAS: 67-64-1 acetone

Chemical Oxygen Demand (COD) | 1,920 mg O₂/g (Biodegradation)

BOD (5) | 1,850 mg O₂/g (Biodegradation)

Additional ecological information:
General notes:

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods

European waste catalogue

16 05 04* | gases in pressure containers (including halons) containing hazardous substances

15 01 04 | metallic packaging

15 01 02 | plastic packaging

HP3 | Flammable

HP4 | Irritant - skin irritation and eye damage

HP14 | Ecotoxic

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Uncleaned packaging:
Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

14.1 UN number or ID number
ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name
ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, non-flammable

14.3 Transport hazard class(es)
ADR

Class

2.5A Gases.

Label

2.2

IMDG, IATA

Class

2.2 Gases.

Label

2.2

14.4 Packing group
ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Gases.

Hazard identification number (Kemler code): -
EMS Number:

F-D,S-U

Stowage Code

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

Segregation Code

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

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	Segregation as for the appropriate subdivision of class 2.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
Transport category	3
Tunnel restriction code	E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.2

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 (REACH) (Candidate List, Annexes XIV and XVII)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EU) 2020/878 (amending REACH Annex II on the compilation of safety data sheets)

Labelling according to Regulation (EC) No 1272/2008 cf. section 2

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

REGULATION (EU) 2017/852 on mercury (Annex I)

None of the ingredients is listed.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

Regulation (EU) No 649/2012

None of the ingredients is listed.

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.

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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

CAS: 67-64-1 | acetone

Regulation (EC) No 273/2004 on drug precursors

CAS: 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

CAS: 67-64-1 | acetone 3

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- 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.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH205 Contains epoxy constituents. May produce an allergic reaction.

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Classification according to Regulation (EC) No 1272/2008	
Aerosols, Section 2.3.1	Bridging principles
Serious eye damage/irritation Specific target organ toxicity (single exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS: Ladenburg Development Center (LDC)

Contact:

Gypsum Development

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Version number of previous version: 2
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

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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 (REACH regulation)

vPvB: very Persistent and very Bioaccumulative

Flam. Gas 1A: Flammable gases – Category 1A

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

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 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.