

Safety Data Sheet according to WHS Regulations

Date of issue: 03.03.2026

Version number 1.7

Revision: 03.03.2026

1 Identification

- **Other means of identification**
- **Trade name:** KREUL Zapon varnish 150 ml, 400 ml
- **Article number:** 840150, 840400
- **Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture**
Lacquer
For artists and hobby user.
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
C. KREUL GmbH & Co. KG
Carl-Kreul-Straße 2
D-91352 HALLERNDORF
GERMANY
Phone: + 49 (0) 9545/925 - 0
Fax: + 49 (0) 9545/925 - 511
info@c-kreul.de
- Importer
Zart Art Pty Ltd
48 Overseas Drive
Noble Park North 3174
VIC
Australia
Phone: + 61 3 9890 1867
Fax: + 61 3 9898 6527
- **Further information obtainable from:** Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **Emergency telephone number:** Poison Centre, Phone: 13 11 26

2 Hazard(s) Identification

- **Classification of the substance or mixture**



Aerosols – Category 1

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.



Eye damage/irritation – Category 2A

H319

Causes serious eye irritation.

Specific target organ toxicity (single exposure) – Category 3 H336

May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



- **Signal word** Danger
- **Hazard-determining components of labelling:**
acetone
2-methoxy-1-methylethyl acetate
n-butyl acetate
- **Hazard statements**
H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P260 Do not breathe spray.
- 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.

Other hazards

Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

3 Composition and Information on Ingredients

- **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone ⚠ Flammable liquids – Category 2, H225; ⚠ Eye Irrit. 2, H319; Specific target organ toxicity (single exposure) – Category 3, H336	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8	dimethyl ether ⚠ Flammable gases – Category 1A, H220; ⚠ Gases under pressure – Compressed gas, H280	25-<50%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7	2-methoxy-1-methylethyl acetate ⚠ Flammable liquids – Category 3, H226	5-<10%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate ⚠ Flammable liquids – Category 3, H226; ⚠ Specific target organ toxicity (single exposure) – Category 3, H336	2.5-<5%
CAS: 9004-70-0	nitrocellulose solutions, with not more than 12.6% nitrogen, by dry mass, and not more than 55% nitrocellulose ⚠ Flammable solids – Category 2, H228	<2.5%

Additional information:

- Benzene (EINECS 200-753-7) <0.1%. (Note P Annex VI to Directive (EC) No 1272/2008)
- For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Wash with water and acidic soap.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Remove contact lenses.
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
If symptoms persist consult doctor.
Rinse out mouth and then drink plenty of water.
A person vomiting while laying on their back should be turned onto their side.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

5 Fire Fighting Measures

- **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** During heating or in case of fire poisonous gases are produced.
- **Protective equipment:** Mouth respiratory protective device.
- **Additional information** Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.

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Dispose of the material collected according to regulations.

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· **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.

7 Handling and Storage

· **Handling:**

· **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurised containers.

· **Information about storage in one common storage facility:** Not required

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class:** 2B

· **Specific end use(s)** See Section 1.2.

8 Exposure controls and personal protection

· **Ingredients with limit values that require monitoring at the workplace:**

67-64-1 acetone

WES Short-term value: 2375 mg/m³, 1000 ppmLong-term value: 1185 mg/m³, 500 ppm

115-10-6 dimethyl ether

WES Short-term value: 950 mg/m³, 500 ppmLong-term value: 760 mg/m³, 400 ppm

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

WES Short-term value: 548 mg/m³, 100 ppmLong-term value: 274 mg/m³, 50 ppm

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123-86-4 n-butyl acetate

WES Short-term value: 950 mg/m³, 200 ppmLong-term value: 713 mg/m³, 150 ppm

· **DNELs**

67-64-1 acetone

Oral chronic - systemic effect 62 mg/kg bw/d (general population)

Dermal chronic - systemic effect 62 mg/kg bw/d (general population)

186 mg/kg bw/d (worker)

Inhalative acute - local effect 2,420 mg/m³ (worker)chronic - systemic effect 200 mg/m³ (general population)1,210 mg/m³ (worker)

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

Oral chronic - systemic effect 36 mg/kg bw/d (general population)

Dermal chronic - systemic effect 320 mg/kg bw/d (general population)

796 mg/kg bw/d (worker)

Inhalative acute - local effect 550 mg/m³ (worker)chronic - systemic effect 33 mg/m³ (general population)275 mg/m³ (worker)

123-86-4 n-butyl acetate

Oral acute - systemic effect 2 mg/kg bw/d (general population)

chronic - systemic effect 2 mg/kg bw/d (general population)

Dermal acute - systemic effect 6 mg/kg bw/d (general population)

11 mg/kg bw/d (worker)

chronic - systemic effect 6 mg/kg bw/d (general population)

11 mg/kg bw/d (worker)

Inhalative acute - systemic effect 300 mg/m³ (general population)600 mg/m³ (worker)acute - local effect 600 mg/m³ (worker)chronic - local effect 35.7 mg/m³ (general population)300 mg/m³ (worker)chronic - systemic effect 35.7 mg/m³ (general population)300 mg/m³ (worker)

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· PNECs

67-64-1 acetone

freshwater	10.6 mg/l
marine water	1.06 mg/l
sewage treatment plant (STP)	100 mg/l
freshwater sediment	30.4 mg/kg
marine sediment	3.04 mg/kg
soil	29.5 mg/kg

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

water	6.35 mg/l
freshwater	0.635 mg/l
marine water	0.0635 mg/l
sewage treatment plant (STP)	100 mg/l
freshwater sediment	3.29 mg/kg
marine sediment	0.329 mg/kg
soil	0.29 mg/kg

123-86-4 n-butyl acetate

freshwater	0.18 mg/l
marine water	0.018 mg/l
sewage treatment plant (STP)	35.6 mg/l
freshwater sediment	0.981 mg/kg
marine sediment	0.0981 mg/kg
soil	0.0903 mg/kg

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

· Exposure controls

· General protective and hygienic measures:

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Do not inhale gases / fumes / aerosols.
- Avoid contact with the eyes and skin.

· 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.

· 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.

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

- PVC or PE gloves
- Recommended thickness of the material: \geq - mm
- Value for the permeation: Level \leq 8h

· As protection from splashes gloves made of the following materials are suitable:

- Butyl rubber, BR
- Recommended thickness of the material: \geq 0.4 mm
- Value for the permeation: Level \leq 4-8h

· Eye protection:



Tightly sealed goggles

9 Physical and Chemical Properties

· General Information

· Appearance:

- **Form:** Aerosol
- **Odour:** Characteristic
- **Odour threshold:** Not determined
- **pH-value:** Not determined

· Change in condition

- **Melting point/freezing point:** Undetermined
- **Initial boiling point and boiling range:** Not applicable, as aerosol
- **Flash point:** Not applicable, as aerosol
- **Flammability** Not applicable
- **Auto-ignition temperature:** 235 °C
- **Decomposition temperature:** Not determined
- **Explosive properties:** Not determined

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- **Explosion limits:**
- **Lower:** 2.6 Vol %
- **Upper:** 26.2 Vol %
- **Vapour pressure at 20 °C:** 4,000 hPa
- **Density at 20 °C:** ~0.7 g/cm³
- **Relative density** Not determined
- **Vapour density** Not determined
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with**
- **water:** Not miscible or difficult to mix.
- **Partition coefficient: n-octanol/water:** Not determined
- **Viscosity:**
- **Dynamic:** Not determined
- **Kinematic:** Not determined
- **Solvent content:**
- **VOC (EC)** 97,0 %

- **Other information**
- **Particle characteristics** Not applicable
- **Physical state** Aerosol

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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

67-64-1 acetone

Oral	LD50	5,800 mg/kg (rat)
Dermal	LD50	>15,800 mg/kg (rabbit)
Inhalative	LC50/4h	76 mg/m ³ (rat)

115-10-6 dimethyl ether

Inhalative	LC50/4h	308 mg/m ³ (rat)
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108-65-6 2-methoxy-1-methylethyl acetate

Oral	LD50	8,532 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat) (OECD 401) >5,000 mg/kg (rabbit)
Inhalative	LC50/4h	>10,000 mg/l (rat)

123-86-4 n-butyl acetate

Oral	LD50	10,800 mg/kg (rat)
Dermal	LD50	>17,600 mg/kg (rabbit)
Inhalative	LC50/4h	>21 mg/m ³ (rat)

- **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.

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12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:**

67-64-1 acetone

LC50/96h	8,300 mg/l (fish)
	5,540 mg/l (oncorhynchus mykiss)
LC50/48h	8,450 mg/l (crustaceans)
EC50/96h	7,200 mg/l (algae)

115-10-6 dimethyl ether

LC50/96h	>4,000 mg/l (fish)
LC50/48h	>4,000 mg/l (daphnia magna)
EC50/96h	155 mg/l (algae)

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

LC50/96h	180 mg/l (oncorhynchus mykiss)
EC50/48h	>500 mg/l (daphnia magna)
EbCx 10%	>1,000 mg/l (microorganisms)
EC50/21d	>100 mg/l (daphnia magna) (OECD 211)
ErC50/96h	>1,000 mg/l (pseudokirchneriella subcapitata)
LC50	63.5 mg/l (oryzias latipes) (OECD 204)
LOEC/96h	>1,000 mg/l (pseudokirchneriella subcapitata)
NOEC/48d	47.5 mg/l (oryzias latipes) (OECD 204)

123-86-4 n-butyl acetate

LC50/96h	81 mg/l (fish)
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· **Persistence and degradability**

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

Carbon dioxide production	90 % /28d (OECD 301 F)
DOC removal	99 % /28d (OECD 301 F)
Oxygen consumption	83 % /28d (OECD 301 F)

· **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable
- **vPvB:** Not applicable
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

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

· **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· **UN-Number**

· **ADG, IMDG, IATA** UN1950

· **UN proper shipping name**

· **ADG** 1950 AEROSOLS
· **IMDG, IATA** AEROSOLS

· **Transport hazard class(es)**

· **ADG**



· **Class**

2 5F Gases.

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· Label	2.1
· IMDG, IATA	
	
· Class	2 Gases.
· Label	2.1
· Packing group	-
· Environmental hazards:	Not applicable
· Special precautions for user	Warning: Gases.
· 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: Segregation as for the appropriate subdivision of class 2.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable
· Transport/Additional information:	
· ADG	
· Limited quantities (LQ)	1 I
· Tunnel restriction code	2 (D)
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Australian Inventory of Industrial Chemicals

We confirm that they we are have checked the AICS under here <https://www.industrialchemicals.gov.au/search-inventory> and we can confirm that each ingredient is either listed on the AICS and within the allowable limit or meets restrictions on said ingredient.

All ingredients are listed.

- Standard for the Uniform Scheduling of Medicines and Poisons

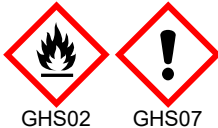
67-64-1 acetone

S5

- Australia: Priority Existing Chemicals

None of the ingredients is listed.

- GHS label elements The product is classified and labelled according to the Globally Harmonised System (GHS).
- Hazard pictograms



GHS02

GHS07

- Signal word Danger

- Hazard-determining components of labelling:

acetone

2-methoxy-1-methylethyl acetate

n-butyl acetate

- Hazard statements

H222-H229 Extremely flammable aerosol. Pressurized container: may burst if heated.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

- Precautionary statements

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

P102 Keep out of reach of children.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe spray.

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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.

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

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.

- **Relevant phrases**
 H220 Extremely flammable gas.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H228 Flammable solid.
 H280 Contains gas under pressure; may explode if heated.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
- **Contact:** Phone: 61 3 9890 1867 / Fax: 61 3 9898 6527
- **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
 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)
 VOC: Volatile Organic Compounds (USA, EU)
 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
 vPvB: very Persistent and very Bioaccumulative
 Flammable gases – Category 1A: Flammable gases – Category 1A
 Aerosols – Category 1: Aerosols – Category 1
 Gases under pressure – Compressed gas: Gases under pressure – Compressed gas
 Flammable liquids – Category 2: Flammable liquids – Category 2
 Flammable liquids – Category 3: Flammable liquids – Category 3
 Flammable solids – Category 2: Flammable solids – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Eye damage/irritation – Category 2A: Serious eye damage/eye irritation – Category 2A
 Specific target organ toxicity (single exposure) – Category 3: Specific target organ toxicity (single exposure) – Category 3
- *** Data compared to the previous version altered.**

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