

Safety Data Sheet
according to WHS Regulations

Date of issue: 11.09.2024

Version number 1.1

Revision: 02.09.2024

1 Identification

- **Other means of identification**
- **Trade name:** KREUL Varnish glossy 50 ml, 250 ml
- **Article number:** 86150, 86155
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Painting Medium
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
+ 44 (0) 171 635 91 91

2 Hazard(s) Identification

- **Classification of the substance or mixture**



GHS02 flame

Flammable liquids – Category 3

H226 Flammable liquid and vapour.



GHS07

Specific target organ toxicity (single exposure) – Category 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects.

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



GHS02

GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**
Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics
- **Hazard statements**
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

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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.
- P271 Use only outdoors or in a well-ventilated area.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- 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: 64742-48-9 EC number: 919-857-5	Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics ⚠ Flammable liquids – Category 3, H226; ⚠ Aspiration hazard – Category 1, H304; ⚠ Specific target organ toxicity (single exposure) – Category 3, H336	25-<50%
CAS: 64742-95-6 EC number: 918-668-5	Hydrocarbons C9, aromatics ⚠ Flammable liquids – Category 3, H226; ⚠ Aspiration hazard – Category 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Specific target organ toxicity (single exposure) – Category 3, H335-H336	10-<20%

- **Additional information:** 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.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **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**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Wear self-contained 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**
Wear protective equipment. Keep unprotected persons away.
Keep away from ignition sources.
Use respiratory protective device against the effects of fumes/dust/aerosol.
- **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:**
Do not store together with reducing agents, heavy-metal compounds, acids and alkalis.
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from heat and direct sunlight.
- **Storage class:** 3
- **Specific end use(s)** See chapter 1.2.

8 Exposure controls and personal protection

- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs**

64742-48-9 Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral	long-term exposure-systemic effects	300 mg/kg (general population)
Dermal	long-term exposure-systemic effects	300 mg/kg bw/d (general population) 300 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	900 mg/m ³ (general population) 1,500 mg/m ³ (worker)

64742-95-6 Hydrocarbons C9, aromatics

Oral	long-term exposure-systemic effects	11 mg/kg (general population)
Dermal	long-term exposure-systemic effects	11 mg/kg bw/d (general population) 25 mg/kg bw/d (worker)
Inhalative	long-term exposure-systemic effects	32 mg/m ³ (general population) 150 mg/m ³ (worker)

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Immediately remove all soiled and contaminated clothing
Avoid contact with the eyes and skin.
Wash hands before breaks and at the end of work.
- **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:**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.4 mm
Value for the permeation: Level ≤ 8 h
- **As protection from splashes gloves made of the following materials are suitable:**
Nitrile rubber, NBR
Recommended thickness of the material: ≥ 0.12 mm
Value for the permeation: Level $\leq 2-4$ h

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· Eye protection:

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Tightly sealed goggles

9 Physical and Chemical Properties

· General Information

· Appearance:

· Form:

Fluid

· Odour:

Characteristic

· Odour threshold:

Not determined.

· pH-value:

Not determined.

· Change in condition

· Melting point/freezing point:

Undetermined.

· Initial boiling point and boiling range:

155 °C

· Flash point:

>23 °C

· Flammability

Flammable.

· Auto-ignition temperature:

240 °C

· Decomposition temperature:

Not determined.

· Explosive properties:

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

· Lower:

0.8 Vol %

· Upper:

7 Vol %

· Vapour pressure at 20 °C:

~2.9 hPa

· Density at 20 °C:

0.9 g/cm³

· Relative density

Not determined.

· Vapour density

Not determined.

· Evaporation rate

Not determined.

· Solubility in / Miscibility with

· water:

Not miscible or difficult to mix.

· Partition coefficient: n-octanol/water:

Not determined.

· Viscosity:

· Dynamic:

Not determined.

· Kinematic at 40 °C:

>20.5 mm²/s

· Solvent content:

· Organic solvents:

58.0 %

· Solids content:

42.0 %

· Other information

No further relevant information available.

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

Reacts with acids, alkalis and oxidising agents.

Exothermic reaction.

· 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:

64742-48-9 Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Oral LD50 8000 mg/kg (rat)

Dermal LD50 4000 mg/kg (rat)

Inhalative LC50/4h >18.5 mg/l (rat)

64742-95-6 Hydrocarbons C9, aromatics

Oral LD50 3492 mg/kg (rat) (OECD 401)

Dermal LD50 >3160 mg/kg (rabbit) (OECD 402)

Inhalative LC50/4h >6193 mg/m³ (rat) (OECD 403)

· Skin corrosion/irritation

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

· Serious eye damage/irritation

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

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- **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.

12 Ecological Information

· Toxicity

· Aquatic toxicity:

64742-95-6 Hydrocarbons C9, aromatics

EL50/48h	3.2 mg/l (daphnia magna) (OECD 202)
EbC50/48h	0.29 mg/l (pseudokirchneriella subcapitata) (OECD 201)
ErC50/72h	0.42 mg/l (pseudokirchneriella subcapitata) (OECD 201)

64742-48-9 Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

LC50/96h	>1,000 mg/l (oncorhynchus mykiss) (OECD 203)
EC50/48h	>1,000 mg/l (daphnia magna) (OECD 202)
EC50/72h	>1,000 mg/l (pseudokirchneriella subcapitata) (OECD 201)

· Persistence and degradability

64742-95-6 Hydrocarbons C9, aromatics

Carbon dioxide production	78 % (28d)
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· Behaviour in environmental systems:

· Bioaccumulative potential

Hydrocarbons, C9, aromatics

Partition coefficient n-octanol/water: 3.7

Hydrocarbons, C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

Partition coefficient n-octanol/water: 6-8.2

· Mobility in soil

No further relevant information available.

· Ecotoxicological effects:

· **Remark:** Harmful to fish

· 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.

Harmful to aquatic organisms

· 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.· **Recommended cleansing agents:** KREUL Brush Cleaner 50 ml

14 Transport information

· UN-Number

· **ADG, IMDG, IATA**

UN1263

· UN proper shipping name

· **ADG**

1263 PAINT

· **IMDG, IATA**

PAINT

· Transport hazard class(es)

· **ADG, IMDG, IATA**· **Class**

3 Flammable liquids.

· **Label**

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· Packing group · ADG, IMDG, IATA	III
· Environmental hazards:	Not applicable.
· Special precautions for user · Hazard identification number (Kemler code): · EMS Number: · Stowage Category	Warning: Flammable liquids. 30 F-E, <u>S-E</u> A
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· Transport/Additional information:	
· ADG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category · Tunnel restriction code	3 D/E
· IMDG · Limited quantities (LQ) · Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, III

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 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**

None of the ingredients is listed.

· **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** Warning

· **Hazard-determining components of labelling:**

Hydrocarbons C9-C11, n-alkanes, iso-alkanes, cyclenes, <2% aromatics

· **Hazard statements**

H226 Flammable liquid and vapour.

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.

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

P271 Use only outdoors or in a well-ventilated area.

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

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

· **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

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

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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**

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

· **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)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flammable liquids – Category 3: Flammable liquids – Category 3

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

Aspiration hazard – Category 1: Aspiration 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.**

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