

JESMONITE[®]

MADE FROM

Jesmonite Dilution/Priming Agent

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.01.2022 Version number 14.0 (replaces version 13.1) Revision: 30.01.2022

- 1.1 Product identifier
- Trade name: Jesmonite Decorative paints
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the mixture Glaze-concentrate for outdoor use.
- Uses advised against All other uses are not recommended.
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
JESMONITE LIMITED
Challenge Court, Bishops Castle, SY9 5DE
sales@jesmonite.co.uk
- Further information obtainable from:
Edd Wilson - edd@jesmonite.co.uk
- 1.4 Emergency telephone number:
GBK GmbH Global Regulatory Compliance
Emergency number: +49(0)6132/84463

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

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 Skin Sens. 1

H317 May cause an allergic skin reaction.

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



GHS07

Signal word Warning

Hazard-determining components of labelling:

2-octyl-2H-isothiazol-3-one

4,5-dichloro-2-octyl-2H-isothiazol-3-one

Hazard statements

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

SECTION 2: Hazards identification

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves / protective clothing. P273

Avoid release to the environment.

P302+P352 IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.

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

2.3 Other hazards Alkaline product. Avoid contact with skin and eyes.

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Aqueous solution of alkal silicate, organically modified, fillers and pigments.

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

Dangerous components:

CAS: 12001-26-2	Mica	10-25%
EC number: 601-648-2	substance with a Community workplace exposure limit	
CAS: 26530-20-1	2-octyl-2H-isothiazol-3-one	<0.025%
EINECS: 247-761-7	Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330;	
Index number: 613-112-00-5	Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C ≥	
CAS: 64359-81-5	4,5-dichloro-2-octyl-2H-isothiazol-3-one	<0.01%
EINECS: 264-843-8	Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam.	
Index number: 613-335-00-8	1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 0.025 % Eye Irrit. 2; H319: C ≥ 0.025 % Skin Sens. 1A; H317: C ≥ 0.0015 %	

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

With appearance of symptoms or in cases of doubt seek medical advice . When seeing the doctor we suggest to present this safety data sheet.

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

After skin contact:

Immediately wash with water and soap and rinse thoroughly. Do not use solvents or thinners.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse mouth and throat well with water.

Do not induce vomiting; call for medical help immediately.

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:

Product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Special hazards arising from the substance or mixture In case of fire, the following can be released:

carbon oxide (COx) silicon dioxide (SiO₂) acrylic monomers

5.3 Advice for firefighters

Special protective equipment: Wear self-contained respiratory protective device.

Additional information

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. In case of fire do not breathe smoke, fumes and vapours.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Ensure adequate ventilation

Avoid contact with skin and eyes.

Particular danger of slipping on leaked/spilled product. Respect the protection rules (see section 7 a. 8).

6.2 Environmental precautions:

Do not allow product to reach soil, sewage system or any water course. Follow local governmental rules and regulations.

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

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

Clear contaminated areas thoroughly.

Flush rests with sufficient amount of water.

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 Avoid contact with skin and eyes.

Do not inhale aerosols.

Keep receptacles tightly sealed.

Open and handle receptacle with care.

See item 8 (8.2) for information about suitable protective equipment and technical precautions. Respect the protection rules.

Information about fire - and explosion protection: The product is not flammable.

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Keep in the original containers in a cool and dry place.

Store only in unopened original receptacles.

Information about storage in one common storage facility: Do not store together with acids.

Store away from metals.

Further information about storage conditions: Please note information on label

Protect from frost. Store in a cool place.

Protect from heat and direct sunlight.

Storage class: 12

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

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

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

Ingredients with limit values that require monitoring at the workplace:

12001-26-2 Mica

WEL Long-term value: 10* 0.8** mg/m³

*total inhalable **respirable

8.2 Exposure controls

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Avoid contact with the eyes and skin. Do not inhale aerosols.

Wash hands before breaks and at the end of work. Immediately remove all soiled and contaminated clothing.

Respiratory protection:

Use suitable respiratory protective device only when aerosol or mist is formed. Combination filter A/P

Hand protection Protective gloves

Material of gloves suitable material e.g.:

Nitrile rubber, NBR Natural rubber, NR PVC gloves

Recommended thickness of the material: . 0.5 mm

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

Value for the permeation: level . 6 (480 min)

The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

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

Eye/face protection Tightly sealed goggles

Body protection:

Protective work clothing

After contact with skin wash thoroughly with water and apply lotion.

Environmental exposure controls See Section 12 and 6.2

No further relevant information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Fluid

Colour:

According to product specification

Odour:

Weak, characteristic

Odour threshold:

Not determined

Melting point/freezing point:

Not determined

Boiling point or initial boiling point and boiling range	Not determined
Flammability	Not applicable
Lower and upper explosion limit	
Lower:	Not applicable
Upper:	Not applicable
Flash point:	Not applicable
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined
pH at 20 °C	~11.4*
Viscosity:	
Kinematic viscosity	Not determined
Dynamic at 20 °C:	400-800* mPas
Solubility	
water:	Miscible
Partition coefficient n-octanol/water (log value)	Not applicable
Vapour pressure at 20 °C:	~23 hPa
Density and/or relative density	
Density at 20 °C:	1.2-1.3* g/cm ³
Relative density	Not determined
Vapour density	Not applicable
9.2 Other information	* The values are for freshly produced material and may change with the time.
Appearance:	
Form:	Pasty
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Softening point/range	
Oxidising properties:	Not applicable
Evaporation rate	Not applicable
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
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** No further relevant information available.
- 10.2 Chemical stability** Stable under normal conditions of storage and use.
- 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:**
Acids Metals
- 10.6 Hazardous decomposition products:**
In case of fire, the following can be released:
Carbon oxides (COx) silicon dioxid (SiO₂) acrylic monomers
No hazardous decomposition products if stored and handled as prescribed.

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.
- Skin corrosion/irritation** Frequent persistent contact with the skin may cause skin irritation.
- Serious eye damage/irritation** In case of longer exposure, irritating effect is possible.
- LD/LC50 values relevant for classification:**
- 26530-20-1 2-octyl-2H-isothiazol-3-one**

Oral	LD50	125 mg/kg (ATE)
Dermal	LD50	311 mg/kg (ATE)
Inhalative	LC50/4	0.27 mg/l (ATE)
- 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one**

Oral	LD50	567 mg/kg (ATE)
Dermal	LD50	>2,000 mg/kg (ATE)
Inhalative	LC50/4	0.16 mg/l (ATE)

· **during inhalation:** Irritant effect possible.

· **during swallowing:** Irritant effect possible

· **Respiratory or skin sensitisation**

Contains OIT,DCOIT. May produce an allergic reaction. OIT = 2-octyl-2H-isothiazol-3-one
DCOIT = 4,5-dichloro-2-octyl-2H-isothiazol-3-one

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

· **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.

· **Other information (about experimental toxicology):**

Experimental analysis are not available.

The product was not tested. The statements on toxicology have been derived from the properties of the individual components.

· **Subacute to chronic toxicity:**

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)** Not applicable

· **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 organisms.

May cause long-term adverse effects in the aquatic environment.

26530-20-1 2-octyl-2H-isothiazol-3-one

NOEC	0.004 mg/l /72H (algae) (OECD 201)
EC 20/30min EC	0.022 mg/l /28d (fish) (OECD 210)
50/48h EC 50/72	0.002 mg/l /21d (daphnia) (OECD 211)
h EC20/3h	10.4 mg/l (sewage sludge) (Literatur)
LC 50/96 h	0.42 mg/l (daphnia) (OECD 202)
	0.084 mg/l (algae) (OECD 201)
	7.3 mg/l (sewage sludge) (OECD 209)
	0.036 mg/l (fish) (OECD 203)

64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

NOEC	0.015 mg/l (algae) (OECD 201)
EC 50/48h	0.00047 mg/l /28d (fish) (OECD 210)
	0.0004 mg/l /21d (daphnia) (OECD 211)
	0.0097 mg/l (daphnia) (OECD 202)

12.2 Persistence and degradability No further relevant information available.

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

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

AOX-indication:

The product can take influence in small measure on the AOX-load of the waste water.

General notes:

At present there are no ecotoxicological assessments.

The statements on ecotoxicology have been derived from the properties of the individual components.

Do not allow product to reach ground water, water course or sewage system. Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

EC 50/72 h	0.025 mg/l (algae) (OECD 201)
LC 50/96 h	0.0078 mg/l (fish) (OECD 203)

Bioconcentration factor (BCF)

64359-81-5	4,5-dichloro-2-octyl-2H-isothiazol-3-one	13
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

Must not be disposed with household garbage. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary with cleansing agents.

European waste catalogue

08 01 11* waste paint and varnish containing organic solvents or other hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

ADR, IMDG, IATA Void

14.2 UN proper shipping name

ADR, IMDG, IATA Void

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable

Transport/Additional information: No dangerous good in sense of these transport regulations.

UN "Model Regulation": Void

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008

For information on labelling please refer to section 2 of this document.

Directive 2012/18/EU

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

National regulations:

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

Please note:

TRGS 200 (Germany)

TRGS 500 (Germany)

TRGS 510 (Germany)

TRGS 900 (Germany)

Substances of very high concern (SVHC) according to REACH, Article 57 Not applicable

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.

Relevant phrases

H301 Toxic if swallowed.

H302 Harmful if swallowed. H311 Toxic in contact with skin.

H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction.

H318 Causes serious eye damage. H330 Fatal if inhaled.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects. EUH071 Corrosive to the respiratory tract.

Department issuing SDS: KEIMFARBEN Germany, Product safety department

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)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany) 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

EC10: Effective concentration at 10% mortality rate. EC50: Half maximal effective concentration.

LC10: Lethal concentration at 10% mortality rate. NOEC: No observed effect concentration.

REACH: Registration, Evaluation and Authorisation of Chemicals (Regulation (EC) No.1907/2006) Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4 Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1: Skin corrosion/irritation – Category 1

Eye Dam. 1: Serious eye damage/eye irritation – Category 1 Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

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

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