



According to EU regulation 1907/2006 (REACH)

Material Safety Data Sheet

SDS date: 16-03-2020

SDS version: 1.2

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

1.1. Product Identifier

Trade Name: Glow in the dark

Product- no.: -

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

Recommended uses: Paint.

Uses advised against: This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address

Creotime.com

Rasmus Færchs Vej 23

7500 Holstebro

Tel.: +45 96 13 30 10

Contact person and E-mail:

info@creotime.com

The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: LMJ

1.4. Emergency telephone number

Use your national or local emergency number - See section 4 "First aid measures".



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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008): EUH208.

2.2. Label elements

Contain reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) and 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione. May cause allergic reaction. (EUH208)

Safety data sheet available on request. (EUH210).

Signal word:

-

2.3. Other hazards

-

Additional labelling:

This product complies with the requirements of the standard set out by The Danish Joint Council of Creative & Hobby Materials (Fællesrådet for Formnings- og Hobbymaterialer), version 11 of 1 november 2018, on creative and occupational materials.

Additional warnings:

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

| Substance | EU-Index no. | Cas / EINECS no. | CLP-classification | w/w% | Note |
|---|--------------|-------------------------|---|---------------------|------|
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione (DMDMH) | - | 6440-58-0/ 229-222-8 | Acute Tox. 4;H302, Skin Sens. 1;H317 | 0,1-0,6 | - |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | 613-167-00-5 | 55965-84-9/ - | Acute Tox. 3;H301, Acute Tox. 2;H310+H330, Skin Corr. 1C;H314, Eye Dam. 1;H318, Skin Sens. 1A;H317, Aquatic Acute 1;H400, M=100, Aquatic Chronic 1; H410, , M=100, EUH071 | 0,00015- <0,0015 | 1 |

1 = Specific concentration limits.

For the wording of the listed risk phrases refer to section 16.



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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------|---|
| Inhalation: | Not relevant. |
| Ingestion: | Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort. |
| Skin contact: | Wash skin with soap and water. Seek medical advice in case of persistent discomfort. If skin irritation or rash occurs: Get medical advice/attention. |
| Eye contact: | Flush with water (preferably using eye wash equipment) until irritation subsides. Remove contact lenses. Seek medical advice if symptoms persist. |

4.2. Most important symptoms and effects, both acute and delayed

May cause slight irritation to the skin and eyes.

4.3. Indication of any immediate medical attention and special treatment needed

When obtaining medical advice, show the safety data sheet or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire: Extinguish with powder, foam or carbon dioxide. Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

None.

6.2. Environmental precautions

Avoid unnecessary release to the environment. Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

6.3. Methods and material for containment and cleaning up

Rinse with water. Wipe up minor spills with a cloth. See section 13 for instructions on disposal.

6.4. Reference to other sections

See above.



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SECTION 7: Handling and storage

7.1. Precautions for safe handling

None.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging.

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Third edition, 2018):

None.

DNEL and PNEC values:

DNEL – 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione:

Workers

Inhalation - Chronic Systemic 70,6 mg/m³
Dermal - Chronic Systemic 20 mg/kg bw/day

Consumers

Inhalation - Chronic Systemic 17,4 mg/m³
Dermal - Chronic Systemic 10 mg/kg bw/day
Oral - Chronic Systemic 10 mg/kg bw/day

PNEC – 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione:

Fresh water 0,51 mg/L
Intermittent releases (Fresh water) 0,11 mg/L
Marine water 0,051 mg/L

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wash hands before breaks, before using restroom facilities, and at the end of the work.

Personal protective equipment:

| | |
|-------------------------|-------------------------|
| Respiratory protection: | Not required. |
| Hand protection: | Generally not required. |
| Eye/face protection: | Not required. |
| Skin protection: | Not required. |

Environmental exposure controls:

Make sure that when using the product damming material is available in immediate vicinity.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------|
| Appearance: | Liquid, different colours |
| Odour: | - |
| Odour threshold: | - |
| pH: | - |
| Melting point/ Freezing Point (°C): | - |
| Initial boiling point and boiling range (°C): | - |
| Flash point (°C): | - |
| Evaporation rate: | - |
| Flammability (solid, gas) | - |
| Upper / lower flammability or explosion limits (vol-%): | - |
| Vapour pressure (mbar, 25 °C): | - |
| Vapour density (air=1) | - |
| Relative density (g/ml): | - |
| Solubility(ies): | - |
| Partition coefficient: n-octanol/water: | - |
| Auto-ignition temperature (°C): | - |
| Decomposition temperature (°C): | - |
| Viscosity (mPas, 25 °C): | - |
| Explosive properties: | - |
| Oxidising properties: | - |

9.2. Other information

| | |
|--------------------------------|---|
| Content of solids (%): | - |
| Surface tension (mN/m, 25 °C): | - |

SECTION 10: Stability and reactivity

10.1. Reactivity

Non-reactive.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid heating.

10.5. Incompatible materials

Avoid contact with strong oxidising agents.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Based on the existing data, the classification is not met.

| Substance | Route of exposure | Species | Test | Result |
|--|-------------------|---------|------|------------------|
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | Oral | Rat | LD50 | 2890 mg/kg bw |
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | Dermal | Rabbit | LD50 | > 20000 mg/kg bw |

Skin corrosion/irritation: May cause slight irritation.

Serious eye damage/irritation: May cause eye irritation.

Respiratory or skin sensitisation: Contain reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) and 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione. May cause allergic reaction.

Germ cell mutagenicity: Based on the existing data, the classification is not met.

Carcinogenicity: Based on the existing data, the classification is not met.

Reproductive toxicity: Based on the existing data, the classification is not met.

STOT-single exposure: Based on the existing data, the classification is not met.

STOT-repeated exposure: Based on the existing data, the classification is not met.

Aspiration hazard: Based on the existing data, the classification is not met.

SECTION 12: Ecological information

12.1. Toxicity

| Substance | Test duration | Species | Test | Result |
|--|---------------|---------|------|-----------|
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | 96 Hours | Fish | LC50 | 82,3 mg/L |
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | 48 Hours | Daphnia | EC50 | 29,1 mg/L |
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | 72 Hours | Algae | EC50 | 11 mg/L |



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12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|-----------|------------------|------|--------|
| No data | - | -2,9 | - |

12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow | BCF |
|--|---------------------------|--------|-----|
| 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione | - | -2,9 | - |

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC Code

20 01 28

Specific labelling

-

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

14.1 -14.4.

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.



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SECTION 15: Regulatory information

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

Sources:

-

Restrictions for application:

-

Demands for specific education:

-

Additional labelling:

-

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other information:

This product complies with the requirements of the standard set out by The Danish Joint Council of Creative & Hobby Materials (Fællesrådet for Formnings- og Hobbymaterialer), version 11 of 1 november 2018, on creative and occupational materials.

Sources:

EC regulation 1907/2006 (REACH).

EC Regulation 1272/2008 (CLP).

EU regulation no. 276/2010

Directive 2000/532/EC

Full text of H-phrases as mentioned in section 2+3:

H301 - Toxic if swallowed.

H302 - Harmful if swallowed.

H310 - Fatal in contact with skin.

H314 - Causes severe skin burns and eye damage.

H317 - May cause an allergic skin reaction.

H330 - Fatal if inhaled.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

EUH208 - Contain reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) and 1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione. May cause allergic reaction.

| Classification according to Regulation (EC) Nr. 1272/2008: | |
|--|--------------------|
| EUH208 | Calculation method |



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Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

1-16 – Update.

This material safety data sheet replaces version:

19-01-2017 (1.1).
