

MATERIAL SAFETY DATA SHEET

Product Name: Glow-in-the-dark Paint

Revision Date: 2019-03-20

MATERIAL SAFETY DATA SHEET

glow-in-the-dark paint

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

Product name: glow-in-the-dark paint

Product name: glow-in-the-dark paint

MSDS Date : 2019/3/20



SECTION2 INFORMATION ON INGREDIENTS

Product name: glow-in-the-dark paint

| Ingredient | Concentration | CAS No. |
|----------------------|---------------|-----------|
| Water | 10.00% | 7732-18-5 |
| Acrylic resin. | 46.00% | 9003-01-4 |
| Additive | 8.00% | / |
| blue luminous powder | 36.00% | / |

SECTION3 HAZARDS IDENTIFICATION

Hazards Identification :

This substance is considered to be non-hazardous for transport.

Emergency Overview:

Irritating to eyes, respiratory systems and skin. May cause sensitization by skin contact.

SECTION4 FIRST-AID MEASURES

Skin Exposure:

In case of contact, immediately wash skin with soap and copious amounts of water for at least 15 minutes. If irritation persists, call a physician.

Eye Exposure:

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Flushing by separating the eyelids with fingers. Call a physician.

Inhalation Exposure:

If inhaled, remove to fresh air. If breathing is difficult, give oxygen.

Oral Exposure:

If victim is conscious, wash mouth out with water. Get medical aid immediately.

SECTION5 FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable: Water spray, Dry chemical, Carbon dioxide or appropriate form.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION6 ACCIDENTAL RELEASE MEASURES

Procedure of Personal Precaution:

Exercise appropriate precaution to minimize direct contact with skin or eyes and prevent inhalation.

Methods for Cleaning up:

Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE

Handling:

Wear appropriate protective clothing and safety gloves. Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Mechanical exhaust required. Keep away from ignition sources, heat and flame. Incompatibilities: oxidizing agents, bases, acids, reducing agents and foods. No smoking at working sites.

Storage:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Incompatible: oxidizing agents, bases, acids, reducing agents and foods.

SECTION8 EXPOSURE CONTROL/PPE

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: Government approved respirator.
Eye: Chemical safety goggles.
Clothing: Wear appropriate protective clothing.
Hand: Safety gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: White liquid

Odor: Weak odor

Flash Point (Closed Cup)/°C: >95.0°C

PH Value: 8.95 (25°C, 50.0g/L)

Solubility: Weak soluble in water

SECTION10 STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressures.

Conditions to Avoid:

Heat, flames and sparks.

Materials to Avoid:

Oxidizing agents, bases, acids, reducing agents and foods.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Carbon monoxide, Carbon dioxide, Magnesium oxide, silicon oxides, Nitrogen oxides (Nox).

SECTION11 TOXICOLOGICAL INFORMATION

Toxicity Data:

| | | | | |
|----------------------|------------|--------|------------------|----------------------------|
| Methyl Methacrylate: | Oral | Rat | LD ₅₀ | 7872mg/kg; |
| | Inhalation | Rat | LC ₅₀ | 7800mg/m ³ /4H; |
| | Skin | Rabbit | LD ₅₀ | >5g/kg. |
| Butyl Acrylate: | Oral | Rat | LD ₅₀ | 900mg/kg; |
| | Inhalation | Rat | LC ₅₀ | 2730ppm/4H; |
| | Skin | Rabbit | LD ₅₀ | 2ml/kg. |

Irritation Data:

Irritation to eyes, respiratory systems and skin.

Sensitization:

May cause sensitization by skin contact.

SECTION12 ECOLOGICAL INFORMATION

Ecotoxicity:

Methyl Methacrylate: Toxicity to fish LC50-Pimephales promelas (fathead minnow)-125.5-275.0mg/l-96h;
Toxicity to daphnia and other aquatic invertebrates EC50-Daphnia magna (Water flea)-720 mg/l

Butyl Acrylate: Toxicity to algae EC50- pseudokirchneriella subcapitata (green algae)-170 mg/l-96h.
Toxicity to fish LC50- Oncorhynchus mykiss (rainbow trout)-5.2 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates EC50-Daphnia magna (Water flea)-8.2mg/l - 48h

SECTION13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with and afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION14 TRANSPORT INFORMATION

DOT: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

RID/ADR: Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA: Non-Hazardous for Air Transport: Non-hazardous for air transport.

IMO: Non-Hazardous for Sea Transport: Non-hazardous for sea transport.

SECTION15 REGULATORY INFORMATION

EU Additional Classification:

symbol of Danfer: Xi.
Indication of Danger: Irritant.
R 36/37/38 43
Risk Statements: Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact.
S 2 26 36/37/39 46
Safety Statements: Keep out of the reach of children. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If swallowed, seek medical advice immediately and show this container or label.