

SAFETY DATA SHEET
Permanent Orange - 222

Page: 1

Compilation date: 30/09/2016

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Revision No: 3

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

1.1. Product identifier

Product name: Permanent Orange - 222

REACH registered number(s): 01-2119931473-40-0000

CAS number: 84632-59-7

EINECS number: 416-250-2

INCI name: C.I. No. 561170

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

Use of substance / mixture: PC9a: Coatings and paints, thinners, paint removers. PC18: Ink and toners. PC32: Polymer preparations and compounds.

1.3. Details of the supplier of the safety data sheet

Company name: Michael Harding Art Formulas LTD

Unit K Springvale Ind Est

Cwmbran

Torfaen

NP44 5BE

UK

Tel: +44(0)1633484700

Email: accounts@michaelharding.co.uk

1.4. Emergency telephone number

Emergency tel: 24 hour (Carechem): Europe and UK +44 1865 407333; United States +1 866 928 0789 (Toll free); Canada +1 800 579 7421 (Toll Free); United States and Canada +1 202 464 2554 (English only); Americas +1 215 207 0061 (English, Spanish Portuguese); Mexico +52 55 5004 8763; Brazil +55 11 3197 5891; Chile +56 2 2582 9336; Colombia +57 1 508 7337; Argentina +54 11 5984 3690; Worldwide/APAC +65 3165 2217; China (hazardous products only) 0532 8388 9090 ; China(Non-hazardous products only) 400 120 6011

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

SAFETY DATA SHEET

Permanent Orange - 222

Page: 2

2.2. Label elements

Label elements:

- Precautionary statements:** P260: Do not breathe dust.
P262: Do not get in eyes, on skin, or on clothing.
P281: Use personal protective equipment as required.

2.3. Other hazards

- Other hazards:** In use, may form flammable / explosive dust-air mixture.
PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

CAS number: 84632-59-7

EINECS number: 416-250-2

REACH registered number(s): 01-2119931473-40-0000

Section 4: First aid measures

4.1. Description of first aid measures

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
- Eye contact:** Bathe the eye with running water for 15 minutes. Seek medical attention if discomfort continues
- Ingestion:** Wash out mouth with water. Consult a doctor.
- Inhalation:** Consult a doctor.

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

- Skin contact:** There may be mild irritation at the site of contact.
- Eye contact:** There may be irritation and redness.
- Ingestion:** There may be irritation of the throat.
- Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Water spray. Alcohol or polymer foam. For safety reasons unsuitable extinguishing agents: water with full jet.

SAFETY DATA SHEET

Permanent Orange - 222

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Wet solid with water to produce a slurry. Remove ignition sources. Sweep up with minimum of dusting. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid the formation or spread of dust in the air. Ensure there is exhaust ventilation of the area.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust:

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10mg/m ³	-	4mg/m ³	-

DNEL/PNEC Values

DNEL / PNEC No data available.

SAFETY DATA SHEET

Permanent Orange - 222

Page: 4

8.2. Exposure controls

Engineering measures: Ensure there is exhaust ventilation of the area.

Respiratory protection: Respiratory protective device with particle filter. Approved respirator (e.g. EN 149:2001 FFP3) if ventilation is insufficient.

Hand protection: Protective gloves to EN388:2016 or similar standard. Penetration time of glove material: the exact break through time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Fine powder

Colour: Orange-red

Odour: Odourless

Evaporation rate: Not applicable.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Viscosity: No data available.

Boiling point/range°C: >35

Melting point/range°C: >300

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: No data available.

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: 384

Vapour pressure: No data available.

Relative density: 1.2

pH: 5-9

VOC g/l: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

SAFETY DATA SHEET

Permanent Orange - 222

Page: 5

10.4. Conditions to avoid

Conditions to avoid: Heat. Sources of ignition. Electrostatic discharge.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong reducing agents.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	>2000	mg/kg
DERMAL	RAT	LD50	>2000	mg/kg

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values:

Species	Test	Value	Units
Zebra Fish	LC50	>100	mg/L
Daphnia magna	EC50	>100	mg/L
Algae	EC50	>100	mg/L
Sludge Toxicity	EC50	>100	mg/L

12.2. Persistence and degradability

Persistence and degradability: Not biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: No data available.

SAFETY DATA SHEET

Permanent Orange - 222

Page: 6

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Recycling/reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).

Waste code number: 08 03 99

Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.