

Safety Data Sheet for **PERMBLOOD** by Glynn McKay

Section 1: Identification of the substance/mixture and uses advised against

1.1. Product identifier

Permanent Theatrical Blood Effect

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

To convey the artifice of blood in the theatre and film industry on a permanent basis for costumes, props and on prosthetics. Not for direct use on the skin or as a cosmetic.

1.3. Details of the supplier of the safety data sheet

Glynn McKay Associates

1.4. Emergency telephone number

+44 (0)1728 723865

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Non hazardous

2.2. Label elements

Not for use on the skin. May produce an allergic reaction.

2.3. Other hazards

Harmful to aquatic life with long lasting effects.

SECTION 3: Composition/information on ingredients

3.1. Substances **Not applicable**

3.2. Mixtures

Component Octylphenoxyethoxyethanol <2%. See also sections 11 and 12.

Octylphenoxyethoxyethanol is harmful to aquatic life with long lasting effects.

Also contains Aqua, CI 19140 and CI 17200 +/- Propylene Glycol, Glycerin, CI 42090 & CI 14720.

SECTION 4: First aid measures

Treatment of exposure should be directed at the control of symptoms:

Inhalation - Move to fresh air.

Skin contact - Wash with water and soap. If skin irritation persists, call a physician.

Eye contact - Rinse with plenty of water. If eye irritation persists, consult a specialist.

Ingestion - Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures

No special measures required. Dried product can burn.

SECTION 6: Accidental release measures

Personal protective equipment should be used. Large releases should be kept out of municipal sewers and open bodies of water, contained with inert materials (eg. sand, earth) and transferred to suitable containers for recovery/disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes, skin and personal clothing. Do not breathe vapours, mist or gas.

Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Keep from freezing - product stability may be affected. STIR WELL BEFORE USE.

Monomer vapours can be evolved if product is heated during processing operations.

SECTION 8: Exposure controls/personal protection

Eye/Face protection - Safety glasses with side-shields. Eye protection worn must be compatible with respiratory protection system employed. Facilities should be equipped with an eyewash facility.

Skin/Hand protection - Neoprene gloves should provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection)

Respiratory protection - Use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent, when respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization.

SECTION 9: Physical and chemical properties

Physical state	Soft Paste
Colour	Red or Dark Red
Odour	None
Odour Threshold	No data available
pH	8.0 - 8.6
Melting point/range	0 °C Water
Freezing point	No data available
Boiling point (760 mmHg)	100.00 °C Water
Flash point	Non-combustible
Evaporation Rate (Butyl Acetate= 1)	<1.00 Water
Flammability (solid, gas)	Not Applicable
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapour Pressure	No data available
Relative Vapor Density (air = 1)	<1.0000 Water
Relative Density (water = 1)	No data available
Water solubility	Dilutable
Partition coefficient: n- octanol/water	No data available
Auto-ignition temperature	Not applicable
Decomposition temperature	No data available
Kinematic Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Molecular Weight	No data available
Percent volatility	50-52% Water

NOTE: The physical data presented here are typical values and should not be construed as a specification.

SECTION 10: Stability and reactivity

10.1. Reactivity	No data available
10.2. Chemical stability	Stable
10.3. Possibility of hazardous reactions	None known. Will not undergo polymerisation
10.4. Conditions to avoid	No data available
10.5. Incompatible materials	None known

10.6. Hazardous decomposition products **Thermal decomposition may yield acrylic monomers**

SECTION 11: Toxicological information

May cause transient skin corrosion/irritation. No other further relevant data found, including for Octylphenoxypolyethoxyethanol.

SECTION 12: Ecological information

There is no data available for this product. However, for Octylphenoxypolyethoxyethanol:

12.1. Toxicity

Acute toxicity to fish -

Harmful to aquatic organisms (LC50/EC50/IC50 between 10 and 100mg/L in the most sensitive species).

LC50, Pimephales promelas (fathead minnow), 96 Hour, > 60 mg/l

Acute toxicity to aquatic invertebrates -

LC50, Daphnia magna, 48 Hour, > 1,000 mg/l

Toxicity to bacteria –

IC50, Bacteria, 16 Hour, Respiration rates., 1,000 - 2,400 mg/l

12.2. Persistence and degradability

Based on stringent OECD test guidelines, this material cannot be considered as readily biodegradable; however, these results do not necessarily mean that the material is not biodegradable under environmental conditions.

Theoretical Oxygen Demand: 1.9 - 1.95 mg/mg Estimated.

Chemical Oxygen Demand: 2.0 mg/mg Estimated.

12.3. Bioaccumulative potential

No relevant data found

12.4. Mobility in soil

No relevant data found

12.5. Results of PBT and vPvB assessment

This product contains no components considered to be either PBT or vPvB at levels of 0.1% or higher.

12.6. Other adverse effects

Octylphenoxypolyethoxyethanol is not on the Montreal Protocol list of substances that deplete the ozone layer.

SECTION 13: Disposal considerations

This material and its container must be disposed of in a safe way. Avoid release to the environment. Do not dump into any sewers, on the ground, or into any body of water.

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

No classification applicable

SECTION 15: Regulatory information

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

This product contains only components that have been either pre-registered, registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH). Polymers are exempted from registration under REACH. All relevant starting materials and additives have been either pre-registered, registered, or are exempt from registration to Regulation (EC) No. 1907/2006 (REACH). The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that

their understanding of the regulatory status of this product is correct.

The following substance contained in this product might be or is subject to authorization in accordance with REACH:

Cas-No: 9036-19-5 Octylphenoxyethoxyethanol

Authorisation status: listed in the Candidate List of Substances of Very High Concern for Authorisation

Authorisation number: Not available

Sunset date: Not available

Exempted (Categories of) Uses: Not available

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances is not applicable

15.2. Chemical safety assessment

Not applicable

SECTION 16: Other information

This product is not classified as dangerous according to Regulation (EC) No 1272/2008

The data given here is based on current knowledge and experience. This safety data sheet describes the product in terms of safety requirements and does not signify any warranty with regards to the product's properties.

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