PolyCryl Plaster Polymer

Safety data sheet

SECTION 1. INDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product identifier.

Trade Name: PolyCryl Plaster Polymer

Product Code: PLA58005, PLA58010, PLA58025, PLA58120

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

Product use: Additive for Casting Plaster and Cement

1.3 Details of the supplier of the safety data sheet:

Company:
Industrial Plasters Ltd
63 Netherstreet
Bromham
Chippenham, Wiltshire,
SN15 2DP
Tel. 01380 850616
Email. info@industrialplasters.com

1.4 Emergency telephone number: Tel. 01380 850616
United Kingdom: 24h - The National Poisons Information Service. 01865 407333

SECTION 2. HAZARDS INDENTIFICATION

2.1 Classification of the substance or mixture according to CLP No 1272 / 2008/GB CLP. Skin Sens. 1, H317

2.2 Label elements CLP No 1272/2008/GB CLP.

Hazard pictograms:

Signal word: Warning

Hazard statements: H317 - May cause an allergic skin reaction.

Precautionary statements:

Prevention: Wear protective gloves, avoid breathing vapour

Response: Take off contaminated clothing and wash it before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.

Storage: Not applicable

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Additional labelling regulation No 648/2004: Not applicable.

2.3 Other hazards: This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: The product is a mixture.

3.2 Mixtures:

Type	Product	Identifiers	%	Classification
[1]	Pyrithione Zinc	EC: 236-671-3 CAS: 13463-41-7	<0.01	Acute Tox. 3, H301 Acute Tox. 3, H331 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=10) See Section 16 for the full text of the H statements declared above.
[1] [2]	N-Butyl Acrylate	REACH #: 01-2119453155-43 EC: 205-480-7 CAS: 141-32-2 Index: 607-062-00-3	≤0.1	Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 STOT SE 3, H335
[1] [2]	2-Methylpentane -2,4-diol	REACH #: 01-2119539582-35 EC: 203-489-0 CAS: 107-41-5	≤0.1	Skin Irrit. 2, H315 Eye Irrit. 2, H319
[1]	2-Methylisothiazol -3(2H)-one	EC: 220-239-6 CAS: 2682-20-4 Index: 613-326-00-9	<0.01	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 (M=10)

				Aquatic Chronic 1, H410 (M=1) EUH071

See full text of H-phrases in section 16. Occupational limits are listed in section 8 if these are available.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact Wash with plenty of soap and water. Seek doctor if irritation persist.

Eye contact Remove contact lenses. Flush eyes with plenty of water for several minutes. Make sure you flush under the upper and lower eyelids. If irritation continues, contact a doctor.

Ingestion Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if adverse health effects persist or are severe.

4.2 Most important symptoms and effects, both acute and delayed
Skin contact, adverse symptoms may include skin irritation and redness.

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

SECTION 5. FIRE FIGHTING MEASURES

5.1 Extinguishing media: Use an extinguishing agent suitable for the surrounding fire

Unsuitable extinguishing media: None known.

5.2 Special hazards arising from the substance or mixture:

Hazards from the substance or mixture: In a fire or if heated, a pressure increase will occur and the container may burst.

5.3 Advice for firefighters:

Special protective actions & equipment for fire-fighters: Follow standard operating procedures. Do not attempt to act without suitable protective equipment, self-contained breathing apparatus and complete protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

See section 8 for personal protection.
Avoid contact with skin and eyes

6.2 Environmental precautions: Avoid spill into the environment.

6.3 Methods and material for containment and cleaning up:

Small Spill: Dilute with water and wipe up with absorbent material (e.g. cloth, fleece). Dispose of via a licensed waste disposal contractor.
Large Spill: Use sand, earth, vermiculite, diatomaceous earth to contain and collect absorbent material and place in suitable closed container for disposal, according to local regulations. Then rinse the spillage site with plenty of water.

6.4 Reference to other sections:

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

See section 8 for personal protection.
Avoid contact with skin and eyes.
Good personal hygiene practices should always be observed when working with chemical products.

7.2 Conditions for safe storage, including any incompatibilities:

Container must be kept tightly closed when not in use and stored away from direct sunlight in a dry, cool and well-ventilated area.
Store in accordance with local regulations.

7.3 Specific end use(s):

The identified uses for this product are detailed in Section 1.2.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters - Occupational exposure limits EH-40 (Great Britain):

2-Methylpentane-2,4-diol:	STEL: 123 mg/m³ 15 minutes.
	STEL: 25 ppm 15 minutes.
	TWA: 123 mg/m³ 8 hours.
	TWA: 25 ppm 8 hours.

N-butyl Acrylate:	STEL: 26 mg/m³ 15 minutes. STEL: 5 ppm 15 minutes. TWA: 5 mg/m³ 8 hours. TWA: 1 ppm 8 hours.

Workers Derived No-Effect Level (DNEL):

Product	Exposure	Value
Pyrithione Zinc	Long term Dermal	0.01 mg/kg bw/day
2-Methylpentane-2,4-diol	Long term Dermal	42 mg/kg bw/day
	Long term Inhalation	49 mg/m³
	Short term Inhalation	98 mg/m³
2-Methylisothiazol-3(2H)-one	Long term Inhalation	0.021 mg/m³
	Short term Inhalation	0.043 mg/m³
N-butyl Acrylate	Long term Inhalation	11 mg/m³

Workers Predicted No Effect Concentration (PNEC):

Product	Compartment Detail & Value
2-Methylpentane-2,4-diol	Fresh water - 0.429 mg/l Marine water - 0.0429 mg/l Sewage Treatment Plant - 20 mg/l

8.2 Exposure controls.

Appropriate technical measures: Ensure sufficient ventilation to control worker exposure to airborne contaminants.

General information:

Hygiene measures	Wash hands after handling chemical products before eating, smoking and using the lavatory.
Eye/face protection	If risk assessment indicates, wear safety glasses with side-shields.
Hand protection	If a risk assessment indicates, gloves complying with an approved standard should be worn.
Body protection	Personal protective equipment should be selected based on the task being performed and the risks involved.
Other skin protection	Appropriate clothing and footwear should be selected based on the task being performed and the risks involved.
Respiratory protection	Respirators that meet the appropriate standard or certification should be selected based on the task being performed and the risks involved.
Measures to avoid environmental exposure	Ventilation equipment should be checked to ensure it complies with requirements of environmental protection legislation.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

Physical state:	liquid
Colour:	White
Odour:	Mild
Melting point/freezing point:	Not relevant/no data
Boiling point:	Not relevant/no data
Flammability:	Not relevant/no data
Lower and upper explosion limit:	Not relevant/no data
Flash point:	Not relevant/no data
Auto-ignition temperature:	Not relevant/no data
Decomposition temperature:	Not relevant/no data
pH:	8.5
Kinematic viscosity (40°C):	>40 mm2/s
Solubility:	Not relevant/no data
Partition coefficient n-octanol/water:	Not relevant/no data
Vapour pressure:	Not relevant/no data
Density and/or relative density:	1 to 1.1
Relative vapour density:	Not relevant/no data
Particle characteristics:	Not relevant/no data

9.2 Other information: None.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No dangerous reaction known under conditions of normal use and storage.
10.2 Chemical stability: Stable under normal conditions.
10.3 Possibility of hazardous reactions: No dangerous hazard known under normal use and storage.
10.4 Conditions to avoid: None known.
10.5 Incompatible materials: None known.
10.6 Hazardous decomposition products: None at recommended storage conditions.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008.

Acute toxicity:	Acute toxicity (oral):	Not available
	Acute toxicity (dermal):	Not available
	Acute toxicity (inhalation):	Not available
Skin corrosion/irritation:		Mild irritant

Serious eye damage/irritation:	Mild irritant
Respiratory or skin sensitisation:	Not available
Germ cell mutagenicity:	Not available
Carcinogenicity:	Not available
Reproductive toxicity:	Not available
STOT-single exposure:	Respiratory irritation
STOT-repeated exposure:	Not available
Aspiration hazard:	Not available

11.2 Information on other hazards: Not available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Mixture of Pyrithione Zinc, N-Butyl Acrylate, 2-Methylpentane-2,4-diol and 2-Methylisothiazol-3(2H)-one.

Fish	LC50	96 h	100 to 1000 mg/l
	LC50	96h	8000000 µg/l Marine water
	LC50	96h	2.68 ppb Fresh water
Crustacean	EC50	48 h	2800000 µg/l Fresh water
	EC50	48h	38 µg/l Fresh water
Daphnia	EC50	48h	3200000 µg/l Fresh water
	EC50	48h	1.68 mg/l
	EC50	48h	8.25 ppb Fresh water
	NOEC	21d	2.7 ppb Fresh water
Algae	EC50	96h	0.51 µg/l Marine water
	EC10	96h	0.36 µg/l Marine water

12.2 Persistence and degradability: N-Butyl Acrylate Readily biodegradable

12.3 Bioaccumulative potential

Product Name	Log Kow – BCF REACH	Risk
Pyrithione Zinc	2.38 – 17.27	Low
2-Methylpentane-2,4-Diol	0.58 –	Low
N-Butyl Acrylate	0.9 – 11	Low

12.4 Mobility in soil: No additional information available

12.5 Results of PBT and vPvB assessment: No additional information available

12.6 Other adverse effects: No additional information available

12.7 Other adverse effects: None known.

SECTION 13. Disposal Considerations

13.1 Waste treatment methods:

Avoid release to the environment.
Dispose in a safe manner in accordance with local/national regulations.
The coding of a waste stream is based on the application of the product by the consumer – end-user.

EWC-code: 20 01 29* detergents containing dangerous substances.

Contaminated packing: Properly cleaned container is disposed of according to packaging material.

SECTION 14. Transport Information

This product is not classified as dangerous of transport.

	ADR/RID	IMDG/IMO
14.1 UN or ID number	Not applicable	Not applicable
14.2 UN proper shipping name	Not applicable	Not applicable
14.3 Transport hazard class(es)	Not applicable	Not applicable
14.4 Packing group	Not applicable	Not applicable
14.5 Environmental hazards	Not applicable	Not applicable
Other information	Not relevant	Not relevant

14.6 Special precautions for user: None relevant.

14.7. Transport in bulk according to Annex II of Marpol & IBC Code: Not applicable

SECTION 15. Regulatory Information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List): Contains no substance(s) listed.

REACH Annex XIV (Authorisation List): Contains no substance(s) listed.

REACH Candidate List (SVHC): Contains no substance(s) listed.

PIC Regulation (Prior Informed Consent): Contains no substance(s) listed concerning the export and import of hazardous chemicals.

POP Regulation (Persistent Organic Pollutants): Contains no substance(s) listed.

Ozone Regulation (1005/2009): Contains no substance(s) listed.

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed.

Drug Precursors Regulation (273/2004): Contains no substance(s) listed.

15.2 Chemical safety assessment: Chemical Risk Assessments should be carried out.

SECTION 16. Other information

Abbreviations and acronyms:

GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments
BCF Bioconcentration factor.
BOD Biochemical Oxygen Demand.
CAS Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances).
COD Chemical oxygen demand.
DNEL Derived No-Effect Level.
EC50 Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval.
IMDG International Maritime Dangerous Goods Code.
LC50 Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval.
LD50 Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval.
log KOW n-Octanol/water.
MARPOL International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant").
PBT Persistent, Bioaccumulative and Toxic.
PNEC Predicted No-Effect Concentration.
UN RTDG UN Recommendations on the Transport of Dangerous Good.
vPvB Very Persistent and very Bioaccumulative.

Procedure used to derive the classification

H317 Skin Sens. 1

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

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.

Full text of classifications
Acute Tox. 2 ACUTE TOXICITY - Category 2
Acute Tox. 3 ACUTE TOXICITY - Category 3
Acute Tox. 4 ACUTE TOXICITY - Category 4
Aquatic Acute 1 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Eye Dam. 1 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1
Eye Irrit. 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
Flam. Liq. 3 FLAMMABLE LIQUIDS - Category 3
Skin Corr. 1B SKIN CORROSION/IRRITATION - Category 1B
Skin Irrit. 2 SKIN CORROSION/IRRITATION - Category 2
Skin Sens. 1 SKIN SENSITISATION - Category 1
Skin Sens. 1A SKIN SENSITISATION - Category 1A
Skin Sens. 1B SKIN SENSITISATION - Category 1B
STOT SE 3 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3

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