

Product Identification

Product name Muralplast MP Quartz
Use Heavy duty decorative/protective coating

Hazards Identification

Not classified as hazardous according to the CHIP Regulations. Also refer to Toxicological Information. Contact with the skin may cause drying and irritation. Eye contact will cause irritation.

Composition

Aqueous polymer emulsion, inorganic fillers, surfactant, biocide, organic and inorganic thickening agents and water repellents. Substances presenting a health hazard within the meaning of the CHIP Regulations or which are assigned Occupational Exposure Limit values:-

Name	Einics No.	Conc. Range	Symbol*	R Phrases*
Turpentine	232-350-7	<2.5%	Xi; N	R10/38/43/51/53
Quartz (silicon dioxide)	238-878-4	<25%	Xn	R48/20

First Aid Treatment

General	In all cases of doubt or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air. No emergency care anticipated.
Skin Contact	Wash skin thoroughly with soap and water or a recognised skin cleaner. Do not use solvent or thinners.
Eye Contact	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes holding eyelids apart, and seek medical advice.
Ingestion	If accidentally swallowed wash mouth with water and give water to drink. Do not induce vomiting. Seek medical advice if stomach discomfort arises or persists.

Fire Fighting Measures

The liquid product is 'non-flammable'.

Extinguishing Media: Recommended: alcohol resistant foam, CO₂, powder, water spray/mist.

Not to be used: N/A

Recommendations: As the products contain combustible organic components, fire will produce black smoke containing hazardous products of combustion (see Stability & Reactivity). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Do not allow run off from fire fighting to enter drains or water courses.

Accidental Release

Refer to protective measures listed in the following sections. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see Disposal Considerations). Do not allow to enter drains or water courses. If the product enters drains or sewers, the local water company should be contacted immediately. In the case of contamination of streams, rivers or lakes, the relevant Environment Agency.

Handling & Storage

Handling: Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8. Keep containers closed when not in use. Never use high pressure to empty, the container is not a pressure vessel. Ensure good housekeeping and regular safe removal of waste materials.

The Manual Handling Operations Regulations may apply to the handling of containers/packages of this product. In order to calculate the weight of any pack size, multiply the volume in litres by the specific gravity value given in section 9. This will give the net weight of the product in kilograms.

Allowance will then have to be made for the immediate packaging to give the approximate gross weight.

Storage: Observe label precautions - Store between 5°C and 25°C in a dry well-ventilated place away from sources of heat. Protect from frost. Keep out of reach of children. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.

Exposure Controls / Personal Protection

Exposure controls: Provide adequate ventilation during application and drying. Where practicable this should be achieved by the use of local exhaust ventilation.

Occupational Exposure Limits

8 hr LTEL (1)		15 min STEL(2)	
ppm	mgm ⁻³	ppm	mgm ⁻³

- (1) Long-term exposure limit - 8 hour time weighted average.
- (2) Short-term exposure limit - 15 mins time weighted average.
- (S) Occupational Exposure Standard (OES)
- (M) Maximum Exposure Limit (MEL)
- (R) Recommended by suppliers
- (A) Allocated limits by analogy with similar materials
- (SK) Risk of absorption through unbroken skin
- (Sen) Capable of causing sensitisation by inhalation

OEL's are taken from the current version of EH40, except those marked (R) or (A) which are assigned by the supplier of the substance.

Occupational Exposure Controls: All Personal Protective Equipment (ppe), including Respiratory Protective Equipment (rpe), used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection: If exposure to hazardous substances identified in section 8 cannot be controlled by the provision of natural ventilation e.g. work in enclosed areas, exposure should be controlled, where reasonably practicable, by the use of mechanical exhaust ventilation; when this is not reasonably practicable, suitable respiratory protective equipment must be worn.

Hand Protection: When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

Eye Protection: Eye protection designed to protect against liquid splashes should be worn.

Skin Protection: Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a recognised skin cleaner. Always wash your hands before eating, smoking or using the toilet.

Physical & Chemical Properties

Physical state	Viscous liquid
Flash Point (°C)	>100
Viscosity	N. Applicable
Specific gravity	1.70-1.80 @ 20°C
Solubility in water	miscible when wet.
pH	8.0 – 9.0

Stability & Reactivity

Stability: Stable under the recommended storage and handling conditions (see Handling & Storage). In a fire, hazardous decomposition products such as smoke, carbon dioxide, carbon monoxide and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of an exothermic reaction.

Toxicological Information

There is no data available on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and chronic effects of components from short term and long term exposure by oral, inhalation and dermal routes of exposure and eye contact. See Composition and Regulatory Information sections for details of the resulting hazard classification.

Splashes in the eye may cause irritation and reversible local damage. Repeated or prolonged contact may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis.

Ecological Information

There is no data available on the preparation itself. Do not allow to enter drains or watercourses or be deposited where it can affect ground or surface waters.

The product has been assessed by the conventional method in CHIP and is not classified as dangerous for the environment.

Disposal Considerations

Disposal methods: Do not allow to enter drains or water courses. Wastes, including emptied containers, are controlled waste and should be disposed of in accordance with regulations made under the 'Control of Pollution Act' and the 'Environmental Protection Act'. Using information provided in this data sheet, advice should be obtained from the relevant Environment Agency whether the Special Waste Regulations apply.

Transportation Information

Transport within the users premises:

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Onwards transport

subsequent to purchase: Transport to be in accordance with ADR for road, IMDG for sea and ICAO/IATA for air.

Proper shipping name: The product is not classified as dangerous for carriage.

UN number
Hazard class:
Packing group:
Sub-hazard class:

Regulatory Information

The product is determined as not being dangerous according to the CHIP Regulations. However, the following precautions should be observed:

S Phrases

- S2 Keep out of reach of children
- S24/25 Avoid contact with skin and eyes
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- S28 After contact with skin, wash immediately with plenty of soap and water or a recognized skin cleaner.
- S51 Ensure good ventilation during application and while drying.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

Other Information

Symbols and text of the R phrases in section 3:

Xi: Irritant
Xn: Harmful
N: Dangerous for the environment
R10: Flammable
R38: Irritating to skin
R43: May cause sensitization by skin contact
R51: Toxic to aquatic organisms
R53: May cause long term adverse effects in the aquatic environment
R48/20: Harmful. Danger of serious damage to health by prolonged exposure through inhalation.

Reference Documents

Statutory:

Air Navigation (Dangerous Substances) Regulations
Carriage of Dangerous Goods Regulations 2004
Chemical (Hazard Information and Packaging for Supply) (Amendment) Regulations 2009
Consumer Protection Act 1987
Control of Pollution (Amendment) Act 1989
Control of Substances Hazardous to Health Regulations 1999
Environment Act 1995
Environmental Protection (Duty of Care) Regulations 1992
Environmental Protection Act 1990
Factories Act 1961
Health and Safety at Work Act 1974
International Rail/Road Transport - RID and ADR (Current Editions)
Management of Health and Safety at Work Regulations 1999
Manual Handling Regulations 1992
Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997
Personal Protective Equipment at Work Regulations 1992
Protection of Eyes Regulations 1974
Provision and use of Personal Protective Equipment Regulations 1992
Special Waste Regulations 1996 as amended
Waste Management Regulations 1996

Approved Codes of practice

ACOP - Control of Substances Hazardous to Health/Control of Carcinogenic Substances- HSE Books
ACOP - Waste Management - The Duty of Care

Health & Safety Executive Guidance Notes

HS(G)37 An Introduction to Local Exhaust Ventilation
EH40 Occupational Exposure Limits
EH44 Dust: General Principles of Protection
HS(G)53 The Selection, Use and Maintenance of Respiratory Protective Equipment
HS(G)71 Storage of Packaged Dangerous Substances
HS(G)193 COSHH Essentials: easy steps to control chemicals
L23 Manual Handling Guidance on Regulations

British Standards Publications

EN420: General Requirements for Gloves

EN166: Personal Eye Protection: Specifications

BS2092: Eye Protection for Industrial and Non-Industrial Users

BS4275: Recommendations for the Selection, Use and Maintenance of Respiratory Protective Equipment

Disclaimer of Liability: The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.