

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

1.1. Product Identifier

Product Name: Muralplast Multi Surface Paint

Product Code: BEDE-KA/KB/KC

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

Product use: Consumer applications, Professional Applications

Use of Substance /Mixture: Coating

1.3. Details of the supplier of the safety data sheet

Company Name: Muralplast
11 Invicta Business Park
London Road
Wrotham
Kent
TN15 7RJ

1.4. Emergency Telephone number

Emergency Tel: 01732 884 022

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Product definition: Mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]:

Not classified

Classification According to Directive 1999/45/EC [DPD]:

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments

Classification: Not classified

Human health hazards:

See section 16 for the full text of the R phrases or H statements declared above.

See section 11 for more detailed information on health effects and symptoms.

2.2. Label elements

Hazardous Pictograms: None

Signal Word: No signal word

Hazard Statements: No known significant effects or critical hazards.

Precautionary statements:

General: Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Hazardous Ingredients:

Supplemental Label elements: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction. Safety data sheet available on request.

Special Packaging Requirements

Containers to be fitted with Child resistant fastenings: Not applicable

Tactile warning of danger: Not applicable

2.3. Other hazards

Other hazards which do not result in classification: None known

Section 3: Composition/information on ingredients

Substance/Mixture: Mixture

Substance classified with a health or environmental hazard

Substance with a workplace exposure limit

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

Substance of equivalent concern

SUB codes represent substances without registered CAS Numbers.

Mixture composition breakdown: No hazardous materials in quantities requiring listing.

Section 4: First aid measures

4.1. Description of first aid measures

Eye contact: Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding lids apart. Seek medical advice.

Inhalation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice

Skin contact: Remove contaminated clothing, wash skin thoroughly with soap and water, or use a proprietary skin cleanser. Do not use solvents or thinners. Seek medical advice if symptoms persist.

Ingestion: If accidentally swallowed, DO NOT INDUCE VOMITING. Keep at rest and obtain medical attention, show the container label.

Protection of first aiders: No action shall be taken involving any personal risk or without suitable training.

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

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards

Over exposure signs/symptoms

Eye contact: No specific data

Inhalation: No specific data

Skin contact: No specific data

Ingestion: No specific data

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

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific Treatments: No specific treatment.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use an extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous combustion products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides.

5.3. Advice for fire-fighters

Special precautions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire fighters: Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire fighters (including helmet, protective boots and gloves) conforming to European standard EN-469 will provide basic level of protection for chemical incidents.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures Personal precautions:

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel”.

Protective Equipment: Overalls, non-pervious gloves and waterproof footwear.

6.2. Environmental precautions

Avoid dispersal of spilt material and run-off and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3. Methods and material for containment and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material, e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste contractor.

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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1. Precautions for safe handling

Protective Measures: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2. Conditions for safe storage, including any incompatibilities:

Storage temperature: 5 to 25°C (41 to 77°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in un-labelled containers. Use appropriate containment to avoid environmental contamination.

7.3. Specific end use(s)

Recommendations: Not available.

Industrial sector specific solutions: Not available.

Section 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1. Control parameters

Occupational exposure limits: No exposure limit value known

Workplace exposure limits: Not applicable.

Recommended monitoring procedure: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following:
European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy)
European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents)
European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNEL/PNEC Values: No data available.

8.2. Exposure controls

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety glasses with side shields.

Skin protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Gloves: nitrile rubber, butyl rubber, PVC, Viton®

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical State	Liquid
Colour	Various
Odour	Faint Odour
Odour Threshold	Not Available
pH	7-10
Melting Point/freezing point	Not Available
Initial boiling point and boiling range	>37.78°C(>100°F)
Flash point	Closed Cup: No Applicable (Product does not sustain Combustion)
Evaporation rate	Not Available
Material supports combustion	No
Flammability (Solid/gas)	Not Available
Upper/lower flammability or explosive limits	Upper 0%
Vapour Pressure	Not Available
Vapour Pressure	Not Available
Relative density	1-1.5
Solubility (ies)	Partially soluble in the following materials: Cold Water
Partition coefficient: n-octanol/water	Not available
Auto Ignition Temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive Properties	Not available
Oxidising Properties	Not available

9.2. Other information

No additional information.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

Chemical stability: The product is stable.

10.3. Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.

10.5. Incompatible materials

Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, and strong acids.

10.6. Hazardous decomposition products

Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11: Toxicological information

11.1. Information on toxicological effects

Product Ingredient Name	Result	Species	Dose	Exposure
Titanium Dioxide	LD50 Oral	Rat	>10g/kg	-

Acute toxicity estimates

Route ATE value

Not available

Irritation/Corrosion

Conclusion/Summary: Not available

Sensitiser

Conclusion/Summary: Not available

Mutagenicity

Conclusion/Summary: Not available

Carcinogenicity

Conclusion/Summary: Not available

Reproductive toxicity

Conclusion/Summary: Not available

Teratogenicity

Conclusion/Summary: Not available

Specific target organ toxicity (single exposure)

Not available

Specific target organ toxicity (repeated exposure)

Not available

Aspiration hazard

Not available

Information on the likely routes of exposure: Not available

Potential acute health effects

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Eye contact: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No specific data.

Ingestion: No specific data.

Skin contact: No specific data.

Eye contact: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Long term exposure

Potential immediate effects: Not available

Potential delayed effects: Not available

Potential chronic health effects: Not available

Conclusion/Summary: Not available

General: No known significant effects or critical hazards.

Carcinogenicity: No known significant effects or critical hazards.

Mutagenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Other information: Not available

There are no data available on the mixture itself. The mixture is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Section 12: Ecological information

12.1 Toxicity

Conclusion/Summary: Not available.

12.2 Persistence and degradability

Conclusion/Summary: Not available.

12.3 Bioaccumulative potential: Not available.

12.4 Mobility in soil

Soil/Water partition coefficient (Koc): Not available.

Mobility: Not available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects:

Other adverse effects: No known significant effects or critical hazards.

Section 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

European waste catalogue (EWC)

Waste code

08 01 12

Waste designation

Waste paint and varnish other than those mentioned in 08 01 11

Packaging

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Type of packaging	European waste catalogue (EWC)	
Container	15 01 02	plastic packaging
Container	15 01 04	metallic packaging

Special precautions: This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Section 14: Transport information

ADR/RID	AND	IMDG	IATA		
14.1 UN number regulated		Not regulated	Not regulated	Not regulated	Not regulated
14.2 UN proper shipping name		-	-	-	-
14.3 Transport hazard class(es)		-	-	-	-
14.4 Packing group		-	-	-	-
14.5 Environmental hazards		No	No	No	No
Marine pollutant substances applicable		Not applicable	Not applicable	Not applicable	Not applicable

Additional information

ADR/RID:	None identified.
ADN:	None identified.
IMDG:	None identified.
IATA:	None identified.

Special precautions for user: Transport within user’s 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.

Section 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV – List of substances subject to authorization

Annex XIV - None of the components are listed.

Substances of very high concern - None of the components are listed.

Annex XVII – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

Other EU regulations

VOC for ready-for-use mixture: IIA/i one pack performance. EU limit values: 140g/l (2010)
This product contains a maximum of 140g/l VOC.

15.2 Chemical Safety Assessment: No chemical Safety Assessment has been carried out.

Section 16: Other information

16.1. Other information

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

Full text of abbreviated H statements: Not applicable.

Full text of classifications [CLP/GHS]: Not application.

Full text of abbreviated R phrases: Not applicable

Full text of classifications [DSD/DPD]: Not applicable

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Disclaimer

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.

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