

Material Safety and Data Sheets

1. Products and company identification

Products identification: UltraBond, UltraTreat, UltraSeal, UltraClear Guard, UltraPaint (all purpose)

Use of products: Preparation/priming (UltraBond) of metallic (ferrous and non-ferrous) surfaces, rust preventative treatment (UltraTreat) of ferrous surfaces, and colourfast painting (UltraPaint) of prepared and treated surfaces – **all products must be stirred/shaken well before use and not diluted with water or any other substance**

Manufacturer trade name: Ultralast Pty Ltd
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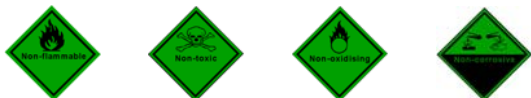
2. Composition/Information on ingredients

Chemical characterisation: All B-earth Ultralast products are a mixture of water and natural pigments, resins and other substances that are non-hazardous as shown in the following table:

Chemical ingredient	CAS no.	Percentage
sodium salt of polymeric carboxylic acid (inert)	unknown	10 – 15 %
barite	7727-43-7	< 5 %
acrylic polymer resin	unknown	25 – 30 %
mica	12001-26-2	< 5 %
additives: ethoxylated p-tert-octylphenol, bisphenol A, formaldehyde polymer 2,2,4-trimethylpentane-1,3-diol, monoisobutylate propylene glycol	67785-91-5 25265-77-4 57-55-6	< 5 %
Water	7733-18-5	~ 45 %



Minimal hazard to human health and the natural environment



3. Hazards identification

Danger symbols: No specific symbols are required for the use of the products – the products are not combustible or flammable and do not have specific acute, chronic or toxic effects on humans, nor are they harmful to the natural environment when released

4. First aid measures

General advice: If symptoms do occur or in doubt, seek medical advice – never administer anything by mouth to an unconscious person

Eye contact: Rinse with plenty of water, keeping the eyes lids wide open (for approximately 5 to 10 minutes)

Skin contact: Wash the skin with soap and warm water

Inhalation: Remove to fresh air and rest until fully recovered

Ingestion: Rinse the mouth with water and drink plenty of water, but do not induce vomiting – consult a physician

5. Fire fighting measures

Special hazards: The products do not contain adequate quantities of volatile organic compounds for direct combustion and specific dangers are therefore not associated with the products, pyrolysis by-products or evolved gases

Protective equipment: If a fire does occur in the product application area, respiratory protection should be used

Extinguishing agents: Normal foam, powder, water spray or carbon dioxide (CO₂)

6. Accidental release measures

Personal precautions: Follow normal safety precautions and if spillage occurs in a confined space ensure there is adequate ventilation – there are no LD50 data available for the products and the concentrations of particularly hazardous materials are so low that they are not considered a significant hazard under the recommended conditions of use

Environmental precautions: Although not hazardous to the natural environment, prevent contamination of water and soil – inform the relevant authorities when large amounts of the products run into surface water, the water table or the sub-soil

Methods for cleaning up: Contain the spillage with sand or earth and take up spilled material (if possible) on non-flammable absorbents (sand, earth, diatomite, chemical binders) and put in an appropriate container, label the container with the waste designation, and dispose according to the legislation – do not use solvents

7. Handling and storage

Safe handling advice: Avoid direct contact with skin and eyes and inhalation and ingestion, take personal protective measures and follow the protection and safety regulations – when working with coating products in a spray cabin, sufficient control of aerosols is unlikely and breathing apparatus, e.g. respirators, should be worn during spraying

Measure to prevent fire: No specific preventative measures are required, but keep the application area well ventilated

Requirements for storage: Store in original containers (if possible) and keep tightly closed in a cool, dry, well-ventilated area (protect the products from direct extreme heat such as sources of ignition) – the products are not defined as dangerous goods



8. Exposure controls/Personal protection

Occupational exposure limit: OSHA PEL 15 mg/m³ (total dust), 5 mg/m³ (respiration fraction)

Engineering controls: Use only in well ventilated areas – avoid breathing the vapours

Personal protection:

Respiratory protection: If the exposure limits are exceeded, a respirator approved for this purpose must be used

Eye protection: Safety glasses with impenetrable side shields are recommended

Skin protection: If used repeatedly, hand protection is recommended in the form of gloves

Hygienic measures: When using do not eat, drink, smoke or sneeze

9. Physical and chemical properties

Appearance: Liquids

Colours: Colourless (UltraBond), oxide red or black (UltraTreat), range of colours (UltraPaint)

Odour: Characteristic of the specific product (faintly similar to a PVA paint product in some cases)

pH: ~ 9

Reactivity: Salt fog resistant

UV resistance: 75000 hours

Boiling point: Not investigated

Melting point: Not investigated

Flash point: No flashpoint

Flammability: Not flammable

Explosion properties: Not investigated

Density: > 1 g/cm³

Vapour density: Heavier than air

Solubility: Miscible in/with water

Flow time: Not investigated

10. Stability and reactivity

Stability: Stable when following the handling and storage recommendations

Conditions to avoid: None known

Incompatibility: None known

Hazardous decomposition: By fire – carbon dioxide (CO₂) and carbon monoxide (CO)

11. Toxicological information

Acute toxicity: No known effects – health hazard rating in group 4 (minimal) of the Recommended Practice (ARP 006:1991) guideline

Skin contact: Repeated and prolonged skin contact can degrease and dry the skin, which can cause skin irritations

Eye contact: Splashes can cause eye irritation

Chronic toxicity: No known effects

Carcinogenicity: No known effects

Mutagenicity: No known effects

Neurotoxicity: No known effects

Reproductive hazards: No known effects

Additional information: These classifications calculated according to conventional methods (from the dangerous substances regulations)

12. Ecological information

Aquatic toxicity: No known effects. (Per EPA regulations entry into pipes, drains and other contact infrastructure with natural water systems should be prevented)

Biodegradability: Products are considered highly biodegradable.

Bio-accumulation: No known effects

Mobility: Not tested

13. Disposal considerations

Disposal key: 080103 – EWC waste from water-based paints

Disposal method: Completely empty packaging and hand over to an authorised disposal company/waste company – the waste regulations of the appropriate authorities are to be followed

14. Transport information

ADR/RID (Road): Not dangerous materials according to these regulations

GGVSee/IMDG (Maritime): Not dangerous materials according to these regulations

IATA (Air): Not dangerous materials according to these regulations

15. Regulatory information

EEC hazard classification: None of the substances of the products are classified by the EEC as hazardous

TSCA certification: All of the substances in the products are listed, or exempt from listing, on the TSCA

National legislation: Pay attention to the Occupational Health and Safety Act

16. Other information

All data is based on the current knowledge of Ultralast and describes the product with reference to safety data, and is therefore not intended to guarantee certain properties