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MSDS REF:

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1. PRODUCT NAME: **TRITON RENOVATING PLASTER** HSE No.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Controlled blends of ordinary Portland cement, expanded perlite aggregate, limestone flour and hydrated lime.

3. HAZARD IDENTIFICATION

Respirable dust inhaled over a prolonged period of time could constitute a health hazard.

Irritating to eyes and skin.

Risk of serious damage to eyes.

May cause burns in the presence of moisture due to generation of strong alkaline solutions of calcium hydroxide.

May cause allergic dermatitis due to the sensitivity of an individuals skin to hexavalent chromium salts in the presence of moisture

4. FIRST AID MEASURES

CONTACT WITH SKIN An irritant, may cause burns in the presence of moisture. Remove contaminated clothing. Wash immediately with plenty of water.

CONTACT WITH EYES Causes painful irritation and may cause serious damage to eyes unless immediate treatment is given. Speed is essential. Remove particles with cotton wool bud, irrigate with eyewash or clean water until medical help is obtained. Obtain medical attention as soon as possible.

INGESTION Unlikely to cause any reactions. Larger doses may irritate gastrointestinal tract. Do not induce vomiting, wash out mouth with water and give copious quantities of water to drink.

INHALATION Irritating to the respiratory tract in high concentration. Remove from exposure and keep warm and at rest. Irrigate nose and throat with water for at least 20 minutes.

FURTHER TREATMENT Symptomatic, if necessary. No known delay effects. Prolonged or repeated contact with skin may result in more severe irritation or dermatitis. Prolonged repeated inhalation of high dust concentrations may cause ulceration and perforation of the nasal septum and pneumonitis. It is advisable to ensure that eyewash facilities are readily available where Portland cement may be handled.

5. FIRE FIGHTING MEASURES

Non combustible and inhibits the spread of flame. No special fire fighting procedure, extinguisher media or explosion hazard is identified.

6. ACCIDENTAL RELEASE MEASURES

SPILLAGES Contain spillage and keep dry if possible. Use vacuum suction unit, or shovel into bags (using appropriate protective clothing (See section 8). Cover or enclose area if possible to avoid unnecessary dust hazard. The material can be slurried by the addition of water (see Hazardous ingredient, section 2) but will subsequently set as a hard material. Avoid contamination of drains and watercourses. Spillage into watercourses must be alerted to the Environment Agency or other appropriate regulatory body.

7. HANDLING AND STORAGE



Assess manual handling requirements which may need two man lifting techniques. The product should be handled to minimise the creation of airborne dust particles. Approved goggles and dust masks should be worn as well as long sleeved garments, full length trousers, Wellington boots and gloves. Avoid saturating clothing with mix water, which is alkaline and may lead to skin burns.

STORAGE

Bags should be palletised and kept dry. Bulk products should be stored in silos and kept dry. Dust collection system should be utilised to minimise the creation of dust.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATION EXPOSURE STANDARD: Respirable dust – 4mg/m³ (8hr TWA)
Total inhalable dust – 10mg/m³ (8hr TWA)

Handling systems should preferably be enclosed, or suitable ventilation installed to maintain atmospheric dust below OES. Wear suitable respiratory protection equipment if exposure to atmospheric dust levels above occupational exposure standard is likely. Use approved dust respirators to EN149 category FFP3, or air-stream helmet for heavy exposure. Rubber, leather or fabric/composite gloves provide suitable hand protection. Wide vision full goggles to BS2092 grade 1 impact, with anti-mist for eye protection. Long sleeved overalls, close fitting at openings. Boots that resist dust penetration.

9. PHYSICAL & CHEMICAL PROPERTIES

APPEARANCE:	Coarse Powder	SOLUBILITY IN WATER:	Insoluble
ODOUR:	None	SOLUBILITY IN SOLVENT:	Insoluble
PH:	Highly Alkaline	PARTITION COEFFICIENT:	N/A
BOILING POINT:	N/A	FLASH POINT:	N/A
MELTING POINT:	N/A	AUTO IGNITION:	N/A
EXPLOSIVE PROPERTIES:	N/A	OXIDISING PROPERTIES:	N/A
VAPOUR PRESSURE:	N/A	DENSITY:	1.7

10. STABILITY AND REACTIVITY

MATERIALS TO AVOID:	None
CONDITIONS TO AVOID:	Water/Moisture (not controlled)
HAZARDOUS DECOMPOSITION PRODUCTS	None. The addition of water produced alkali by-products.

11. TOXICOLOGICAL INFORMATION

INHALATION:	High concentration of dust may be irritating to the respiratory tract.
INDIGESTION:	May cause irritation of the gastrointestinal tract.
SKIN:	Irritant in the presence of moisture. May cause burns.
EYES:	Painful irritant, with risk of severe and permanent damage to eyes.
LONG TERM EXPOSURE:	Prolonged and repeated skin contact may cause irritant contact dermatitis and/or allergic (chromium) dermatitis. Allergic dermatitis more commonly arises through contact with cement/water mixture than dry cement.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	The product is considered to be non toxic. Harmful to aquatic organisms in prolonged contact times.
MOBILITY:	Sparingly soluble in water to form alkaline solution. Low mobility in most ground conditions.
PERSISTENCE & DEGRADATION	Non bio-degradable – reacts with atmospheric and ground moisture and carbon dioxide to form a hard crystalline gel of calcium silicate/aluminate hydrates.

13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT	Disposal should be in accordance with current local and national legislation. Portland cement can normally be disposed only to licensed waste facilities.
DISPOSAL OF PACKAGING	Contaminated packaging can be incinerated.

14. TRANSPORT INFORMATION

Not classified as hazardous for transport	
IMDG (Sea)	Not classified
ADR (Road)	Not classified
RID (Rail)	Not classified
IATA (Air)	Not classified

15. REGULATORY INFORMATION

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. Statutory Instrument 2002 No. 1689.

Classification for conveyance: None

Classification for supply: Irritant

LABEL INFORMATION

R38: Irritating to skin

R41: Risk of serious damage to eyes

S26: In case of contact with eyes, rinse immediately with water and seek medical advice.

S37,S39: Wear suitable gloves and eye/face protection.

S2: Keep out of reach of children

SAFETY PHRASES

15.2 – Occupational Exposure Limits 2002 – HSE Guidance Note EH40/02

OES Inhalable dust – 10mg/m³ (8hr TWA)

Respirable dust – 4mg/m³ (8hr TWA)

16. OTHER INFORMATION

Training advice:

Wear and use of PPE

Recommended Uses and Restrictions:

DIY and industrial applications

Sources of Key Data Used to Compile Data Sheet:

EH40, P.P.E. Regulations 1992

Other:

EH44 “Dust in the Workplace”

The information contained in this data sheet is to the best of our knowledge accurate at the date of publication, but we cannot accept responsibility that it is sufficient or correct in all cases.

The data contained herein does not constitute a specification. Such information is available from the technical data sheet for the product.

Abbreviations: OES - occupational exposure standard. STEL - short-term exposure limit. LTEL – long term exposure limit. TWA – time weighted (8 hour) average. LEL – lower explosive limit. UEL – upper explosive limit.