



MSDS Ref:
TR 311

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1. PRODUCT NAME: **TRITON INJECTION MORTAR**

2. HAZARD IDENTIFICATION



Irritating to the skin.
Risk of serious damage to eyes.
May cause sensitisation by skin contact.

3. COMPOSITION

HAZARDOUS INGREDIENT
Ordinary Portland Cement

CAS No.	EC No.	Weight %	Symbols	Risk Phrases
65997-15-1		54	Xi (Irritant)	See section 15

Also contains silica flour, silica sand and other additives.

4. FIRST AID

CONTACT WITH SKIN: Wash off with plenty of soap and water. Remove contaminated clothing.

CONTACT WITH EYES: Wash out with water for at least 15 minutes and seek medical advice without delay.

INGESTION: Wash out mouth with water and give plenty of water to drink.
DO NOT INDUCE VOMITING.

INHALATION: Remove to fresh air. If nose or airways become inflamed, seek medical advice.

OTHER INFORMATION: Until the mixture has set, may cause both irritant and allergic contact dermatitis.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: As appropriate to surrounding fire.

SPECIAL PROTECTIVE EQUIPMENT: No particular requirements.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear suitable protective clothing appropriate to the amount involved which may include eye/face protection, PVC or synthetic rubber gloves, protective footwear and overalls, particularly during mixing operations.

ENVIRONMENTAL PRECAUTIONS: Contain the spillage and keep children away from the area.

CLEAN-UP PROCEDURES: Recover the spilt material in a dry state if possible.
Minimise generation of airborne dust.

7. HANDLING AND STORAGE

HANDLING PRECAUTIONS: Observe good hygiene standards and minimise skin contact. Wear suitable protective clothing according to item 8.

STORAGE INFORMATION: Keep containers tightly closed in a cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



When handling or mixing the product, protective clothing should be worn, including eye protection and PVC or synthetic rubber gloves. Wash hands and exposed skin before meals and after work. Do not wear contaminated clothing.

EXPOSURE LIMITS Occupational exposure standard (8h TWA):
10mg/m³ total inhalable dust, 5mg/m³ respirable dust

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Grey Powder
Odour	None
pH	11, when wet
Boiling Point	Not Relevant
Melting Point	Not Relevant
Flash Point	None
Autoignition temperature	Not Combustible
Explosive Properties:	None

Oxidising Properties	None
Vapour Pressure	Not relevant
Relative density	Not relevant
Bulk density	1300 kg/m ³
Viscosity	Not relevant
Solubility	Very slightly soluble in water
Partition Coefficient	Not relevant
Other data	

10. STABILITY / REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Damp (degrades product).

MATERIALS TO AVOID: No particular requirements.

11. TOXICOLOGICAL INFORMATION

Severe eye irritant. Irritating to skin – the powder or its mixture with water may cause irritant dermatitis or burns, and traces of hexavalent chromium in the product may cause allergic dermatitis. Ingestion of small amounts is unlikely to cause any significant reaction, but large doses may result in irritation to the gastro intestinal tract.

12. ECOLOGICAL INFORMATION

MOBILITY: Not mobile in soil.

DEGRADABILITY: Relatively inert.

ACCUMULATION: No potential for bioaccumulation or biomagnification.

ECOTOXICITY: Addition of cement-based products to water may cause the pH to rise, and they may therefore be toxic to aquatic life in some circumstances.



13. DISPOSAL CONSIDERATIONS

DISPOSAL OF PRODUCT: Dispose of in accordance with local and national regulations (normally landfill), or to any place authorised to accept builders waste.

DISPOSAL OF PACKAGING: Packaging should be treated as for the product, or may be incinerated.

14. TRANSPORT INFORMATION

UN NO. None assigned
PROPER SHIPPING NAME Portland cement mixture
ADR/RID Not classified as hazardous
IMCO Not classified as hazardous
ICAO/IATA Not classified as hazardous
PACKING GROUP
LABEL No hazard label

15. REGULATORY INFORMATION

CLASSIFICATION Irritant

LABEL INFORMATION: IRRITATING TO THE SKIN
RISK OF SERIOUS DAMAGE TO THE EYES
MAY CAUSE SENSITISATION BY SKIN CONTACT
DO NOT BREATHE DUST
AVOID CONTACT WITH THE SKIN

READ ALL PRECAUTIONS BEFORE USE

The (COSHH) Control of Substances Hazardous to Health Regulations 1988 may apply to the use of this product at work. Engineering control of operator exposure must be used where reasonably practicable in addition to the following items of personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING, gloves and eye/face protection.

IN CASE OF CONTACT WITH EYES rinse immediately with plenty of water and seek medical advice.

AFTER CONTACT WITH SKIN, wash immediately with plenty of clean water.

KEEP OUT OF REACH OF CHILDREN.

Refer to other relevant legislation such as the Health and Safety at Work etc Act (HSWA), THE Control of Substances Hazardous to Health Regulations (COSHH), the Environment Protection Act and the Control of Pollution Act.

The information contained in this safety data sheet does not constitute the user's own assessment of workplace risk as required by health and safety legislation.

16. OTHER INFORMATION

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.