

MATERIAL SAFETY DATA SHEET

According to NOHSC: 2011 (2003)

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: MASTERFLEX 801 HARDENER POWDER

Other name:

Product code: 51254540

Recommended use: Hardening additive for injection material for waterproofing of building structures

Supplier: BASF Construction Chemicals Australia Pty Ltd. BASF Construction Chemicals New Zealand Ltd.
ABN 46 000 450 288

Address: 11 Stanton Road, Seven Hills, NSW, 2147 Australia 45 William Pickering Drive, Albany, Auckland, New Zealand

Telephone number: +61 2 8811 4200 +64 9 414 7233

Facsimile: +61 2 8811 3299 +64 9 414 7244

Emergency telephone number: 0417 658 263

2. HAZARDS IDENTIFICATION

Hazard classification: HAZARDOUS SUBSTANCE. DANGEROUS GOODS
Hazardous substance according to the criteria of NOHSC
Dangerous goods for transport according to the ADG code
Fire hazard if exposed to combustible material; Harmful if swallowed; irritating to eyes, respiratory organs and skin; may cause sensitisation by inhalation or skin contact; symptoms: coughs, breathlessness, irritation to respiratory organs

Hazard Designation: Xn harmful; O oxidising

Risk phrase(s): R8; R22; R36/37/38; R42/43

Safety phrase(s): S8, S17, S26

See Section 15 for full R & S descriptions.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Information on ingredients: Sodium salt of an inorganic acid Sodium Persulphate (Sodiumperoxodisulphate)

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion</u>
Sodium persulphate (R8; R22; R36/37/38; R42/43) (Xi, O)	7775-27-1	100%

All ingredients listed on AICS.

4. FIRST AID MEASURES

Inhalation: Use in well ventilated areas. If inhalation does occur, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer EAR. Seek medical attention.

Eyes: While holding eyes open, gently flood with plenty of fresh water for 15 minutes. Seek medical attention. Skilled personnel should only undertake removal of contact lenses after an eye injury.

Skin: Remove contaminated clothing. Remove excess from skin mechanically. Wash contacted areas thoroughly with soap and water. If irritation develops seek medical attention. Wash contaminated clothing before re-use.

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Ingestion: Not a normal route of injury. Do not induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do NOT give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, carbon dioxide, dry chemical or universal type foams. Do not use water jet.

Hazards from combustion products: Toxic and irritant burnt gases, carbon oxide, sulphur oxide, oxygen and explosion-capable dust-/ air-mixtures can form in case of fire.

Precautions and equipment for fire fighters: As for surrounding fire. Wear self-contained breathing apparatus in case of fire. Follow the standard safety measures for handling chemicals in case of fire.

Hazchem code: None allocated.

6. ACCIDENTAL RELEASE MEASURES

Methods and materials for containment and clean up: Wear protective equipment; remove sources of ignition; do not smoke; keep material away from combustible or incompatible substances; ventilate well; avoid dust formation and all contact with product (hands and eyes, inhalation).
Spills should be collected and removed mechanically. Carefully shovel into appropriately labelled drums or sealable containers.
Carefully sweep up residue and shovel into sealed containers. Avoid dust generation. Dust can be reduced by applying a light water spray.
Disposal should be effected by an approved waste disposal organisation according to local regulations.

Environmental precautions: Do not allow to enter drains, sewers, water courses and soil.

7. HANDLING AND STORAGE

Precautions for safe handling: Wear personal protective equipment (PPE) as per Section 8.
Beware of dust explosion risk; may ignite combustible materials; avoid dust development.
Provide for good ventilation, (use suitable exhaust system or forced air ventilation).
Protect from sources of ignition; protect from heat. Avoid skin contact.

Conditions for safe storage: Do not store together with highly flammable, flammable and self- flammable substances; keep product only in original and tightly closed packing, store under cool conditions, recommended storage temperature <30°C;
Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Ensure adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Exposure Standards Not applicable

Personal Protective Equipment (PPE):

Respiratory protection: Provide for good ventilation.

Glove type (AS2161): Impervious gloves e.g. PVC or nitrile rubber gauntlets.

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<u>Eye protection:</u>	Chemical worker's goggles, well fitting safety glasses or full face shield.
<u>Clothing:</u>	No special clothing required but suitable industrial clothing providing full skin coverage are suggested as a general precaution, especially where heavy contamination is likely.
<u>Other:</u>	Use barrier creams to protect skin from contact with the material. Do not eat drink or smoke while working with the material. Always wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	White powder
<u>Odour:</u>	Characteristic
<u>pH:</u>	Approx. 4.0 at 30 g/l water and 20°C
<u>Explosion Limit:</u>	No data available
<u>Solubility in water:</u>	Miscible
<u>Specific gravity:</u>	Approx. 2.55 g/ml at 20°C
<u>Bulk Density:</u>	Approx. 1200 kg/m ³
<u>Change in condition:</u>	≥ 60° C (decomposition)
<u>Flash point:</u>	No data available. Oxidising characteristics.

10. STABILITY AND REACTIVITY

<u>Conditions and substances to avoid:</u>	Self-ignition is possible in presence of moisture, heat sources and oxidising substances; keep away from inflammable, highly inflammable and self-igniting substances; protect from open flames; protect from heat.; decomposes if heated; Avoid contact with other chemicals (e.g. inflammable materials, alcohol, strong acids, strong alkalis, oxidising materials, reducing agents, see also item 7.
<u>Hazardous decomposition products:</u>	None if properly used and stored, see also item 5.

11. TOXICOLOGICAL INFORMATION

<u>General toxicity information:</u>	Harmful if swallowed; irritating to eyes, respiratory organs and skin; may cause sensitisation by inhalation or skin contact; symptoms: coughs, breathlessness, irritation to respiratory organs
<u>Inhalation:</u>	Possible irritant. May cause sensitization. Symptoms: coughs, breathlessness, irritation to respiratory organs
<u>Eyes:</u>	Irritant
<u>Skin contact:</u>	Irritant. Sensitisation possible after skin contact.
<u>Ingestion:</u>	Harmful if swallowed;
<u>Toxicity Data:</u>	LD50 rat oral (mg/kg): 895 –1000

12. ECOLOGICAL INFORMATION

<u>Ecology:</u>	Do not discharge into drains, sewers or waterways. Degradability not determined.
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13. DISPOSAL CONSIDERATIONS

Disposal method and containers: Ensure containers are sealed. Avoid mist generation. Dispose of to an approved land fill site. Refer to Waste Management Authority.

Special precautions for landfill or incineration: None known

14. TRANSPORT INFORMATION

UN number: 1505
UN proper shipping name: Sodium Persulphate
Dangerous goods class: 5.1
Subsidiary risk: None allocated
EPG card: 5A1
Packing group: III
Hazchem code: 2W
Poisons schedule: None allocated

15. REGULATORY INFORMATION

<u>Hazard Designation</u>	Xn	Harmful
	O	Oxidising: Contains Sodium Persulphate EINECS-No.: 231-892-1
<u>Risk phrase(s):</u>	R8	Contact with combustible material may cause fire.
	R22	Harmful if swallowed
	R36/37/38	Irritating to eyes, respiratory system and skin
	R42/43	May cause sensitisation by inhalation and skin contact.
<u>Safety phrase(s):</u>	S22	Do not breathe dust.
	S24	Avoid contact with skin
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S37	Wear suitable gloves.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

16. OTHER INFORMATION

Reason for issue: Delete alternate name, no longer applicable. Update according to BBZ MSDS Issue 3

This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request. All information contained in this MSDS is as accurate and up-to-date as possible. No warranty expressed or implied is made as to its accuracy, reliability or completeness.