

Safety Data Sheet

WESTOX

BUILDING PRODUCTS

WESTOX CALCIUM DISSOLVER

Date of Issue 01 Sept 2014
Date of Revision 21 Mar 2024


1 - IDENTIFICATION

Product Name	WESTOX CALCIUM DISSOLVER	
Recommended Use	Specifically designed to remove the residual calcium carbonate from masonry following the mechanical removal of the calcium build up.	
Company Details	Westgate Pty Ltd	
Address	16 Frost Road Campbelltown NSW 2560 Australia	
Phone	61 2 4628 5010	
Fax	61 2 4628 5020	
Email	info@westox.com	
Website	www.westox.com	
Emergency Contact Point	Australian Poisons Information Centre 24 Hour Service Police, Fire Brigade or Ambulance	13 11 26 000
	New Zealand Poisons Information Centre 24 Hour Service NZ Emergency Services	0800 764 766 111

2 - HAZARD(S) IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO WORK SAFE AUSTRALIA CRITERIA

Globally Harmonised System

Hazard Classification	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of chemicals (GHS).
Hazard Categories	Serious Eye Damage/Irritation - Category 1 Skin Corrosion/Irritation - Category 1A Acute Toxicity (Dermal) - Category 5 Acute Toxicity (Oral) - Category 4
Pictograms	
Signal Word	DANGER
Hazard Statements	H302: Harmful if swallowed H313: May be harmful in contact with skin H314: Causes severe skin burns and eye damage H318: Causes serious eye damage
Precautionary Statements	P234: Keep only in original container P260: Do not breathe fume/gas/mist/vapours/spray P264: Wash hands thoroughly after handling P280: Wear protective gloves/protective clothing/ eye protection/face protection P301+P330+P331: IF SWALLOWED; rinse mouth. Do NOT induce vomiting P303+P361+P353: IF ON SKIN (or hair); remove/take off immediately all contaminated clothing. Rinse skin with water/shower P304+P340: IF INHALED; remove victim to fresh air and keep at rest in a position comfortable for breathing P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310: Immediately call a POISON CENTRE or doctor/physician P321: Specific treatment (see First Aid Measures on Safety Data Sheet) P363: Wash contaminated clothing before reuse. P390: Absorb spillage to prevent material damage P405: Store locked up P406: Store in corrosive resistant container with a resistant inner liner P501: Dispose of contents/container in accordance with local/ regional/ national/ international regulations

Dangerous Goods Classification	8
Poisons Schedule Number	6

3 - COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS Number	Content %
Phosphoric Acid	7664-38-2	2 - 10
Water	7732-18-5	Balance to 100

4 - FIRST AID MEASURES

Ingestion	Rinse mouth with water. Give water to drink provided person is conscious. Do NOT induce vomiting. Seek medical attention immediately.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Seek immediate medical attention.
Skin Contact	Remove contaminated clothing. Wash affected area with plenty of flowing clean water for at least 15 minutes. Seek immediate medical attention. Wash clothing before reuse. If burned, treat as burn by acid.
Inhalation	Remove victim from exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention.
Other Information	Advice to Doctor: Treat symptomatically based on judgement of doctor and individual reactions of patient. NOTE: Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

5 - FIREFIGHTING MEASURES

Flammability Conditions	Product is a non-flammable liquid
Extinguishing Media	In case of fire, use Carbon dioxide, dry chemical powder, or appropriate foam.
Hazardous Products of Combustion	Non-combustible liquid. Incompatible with strong oxidising agents, strong reducing agents, strong alkali, active powdered metals, Fluorine, sulfur trioxide, phosphorus pentoxide, metals, and sources of ignition. This product will release hydrogen on contact with metals, which may cause explosion in the air. Reacts with water to generate heat and form phosphoric acid. The reaction is not violent. Emits toxic fumes under fire conditions. It will produce the virulent gas of oxidation phosphorus at a high temperature. It is corrosive. Hazardous decomposition products may include Phosphine, oxides of phosphorus, and hydrogen gas.
Personal Protective Equipment	Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves) or chemical splash suit. Clear fire area of all non-emergency personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources. Move fire exposed containers from fire area if it can be done without risk. Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.
Hazchem Code	2R

6 - ACCIDENTAL RELEASE MEASURES

General Response Procedure

Personnel involved in the clean up should wear full protective clothing as listed in section 8. Avoid accidents, clean up immediately. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it is slippery when spilt. Stop leak if safe to do so. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment. Shut off all possible sources of ignition.

Clean Up Procedures

Neutralise spilled product with lime or soda. Soak up using absorbent material such as sand or soil. When saturated, collect material and transfer to suitable, labelled, dry chemical-waste containers and dispose of promptly as hazardous waste. Ventilate area and wash spill site after material pickup is complete.

7 - HANDLING AND STORAGE

Precautions for Safe Handling

Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid contact with eyes, skin and clothing. Do not inhale product vapours. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Use only in a chemical fume hood.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture, fire and heat. Container type/ packaging must comply with all applicable local legislation. Store in original packaging as approved by manufacturer.

8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

General	Material	TWA (mg/m3)	STEL (mg/m3)
	Phosphoric Acid	1	3
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the containment at its source, preventing dispersion of it into the general work area.		
Personal Protective Equipment			
Respirator	Wear an approved full face piece respirator with suitable filter for acid gases and vapours if engineering controls are inadequate (AS1715/1716)		
Eyes	Chemical goggles to prevent splashing in the eyes. (AS1336/1337)		
Hands	Rubber or neoprene impervious gloves (AS2161)		
Clothing	Chemical-resistant coveralls and safety footwear (AS3765/2210)		

9 - PHYSICAL AND CHEMICAL PROPERTIES

General Information

Appearance	Viscous Liquid
Odour	Odourless
Colour	Transparent, colourless
pH	1.5
Vapour Pressure	5.65 to 2.16mmHg torr (@20C)
Relative Vapour Density	NO DATA AVAILABLE
Boiling Point (°C)	135-158
Melting Point (°C)	<15
Freezing Point	<15
Specific Gravity	Density: 1.58-1.69

10 - STABILITY AND REACTIVITY

General Information	Product is stable under normal conditions of use, storage and temperature
Chemical stability	Corrosive Liquid. Hygroscopic: absorbs moisture or water from the air.
Conditions to avoid	Avoid excessive heat, direct sunlight, moist air or water
Materials to Avoid	Incompatible with strong oxidising agents, strong reducing agents, strong alkali, active powdered metals, Fluorine, sulfur trioxide, phosphorus pentoxide, metals and sources of ignition.
Hazardous decomposition products	This product will release hydrogen on contact with metals, which may cause explosion in the air. Reacts with water to generate heat and form phosphoric acid. The reaction is not violent. Emits toxic fumes under fire conditions. It will produce the virulent gas of oxidation phosphorus at a high temperature. It is corrosive. Hazardous decomposition products may include Phosphine, oxides of phosphorus, and hydrogen gas.
Hazardous Polymerisation	May occur. Reacts with water to generate heat and form phosphoric acid. The reaction is not violent. Reacts with Bases.

11 - TOXICOLOGICAL INFORMATION

General Information

Eye Irritant	Causes burns. Corrosive. Causes tissue destruction, permanent damage to the cornea, blindness.
Ingestion	Causes burns. Harmful by ingestion. Can cause nausea, diarrhoea, corrosion, burns to mouth and esophagus, abdominal pain, chest pain, shortness of breath, seizures, and death.
Inhalation	Inhalation may result in spasm, inflammation and edema of the larynx and bronchi, chemical phenomenon and pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin. May be harmful by inhalation. Mists may cause lung irritation, shortness of breath, fluid in lungs.
Skin Irritant	Causes burns. Causes irritation, burns

12 - ECOLOGICAL INFORMATION

General	DO NOT let product reach waterways, drains or sewers.
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13 - DISPOSAL CONSIDERATIONS

General Information	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State and Federal Regulations or recycled/ reconditioned at an approved facility.
Special Precautions for Land Fill	Contact a specialist disposal company or the local waste regulator for advice

14 - TRANSPORT INFORMATION

Land Transport (Australia) - ADG Code

Proper Shipping Name PHOSPHORIC ACID, SOLUTION
DG Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available
EPG 37 Toxic And/ or Corrosive Substances Non-Combustible
UN Number 1805
Hazchem 2R
Packing Group III



Sea Transport - IMDG Code

Proper Shipping Name PHOSPHORIC ACID, SOLUTION
DG Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available
UN Number 1805
Hazchem 2R
Packing Group III
Special Provision No Data Available
EMS FA, SB
Marine Pollutant No

Air Transport - IATA DGR

Proper Shipping Name PHOSPHORIC ACID, SOLUTION
DG Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available
UN Number 1805
Hazchem 2R
Packing Group III
Special Provision No Data Available

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification Dangerous goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code).

15 - REGULATORY INFORMATION

Poisons Schedule (Aust) 6

16 - OTHER RELEVANT INFORMATION

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