

MATERIAL SAFETY DATA SHEET

Section 1: IDENTIFICATION

TILE PLUS

Recommended Use: Highly concentrated degreaser detergent.
Product Code: 200207 (3x5L).



Whiteley Industrial

A division of Whiteley Corporation Pty Ltd (A.C.N. 000 906 678)
 Postal Address: P. O. Box 1076 North Sydney NSW 2059
 Telephone Number: (02) 9929 9155 Facsimile: (02) 9929 9077
 Web: www.whiteley.com.au
 Emergency Telephone Number: Poisons Information Centre (National) 131126

Section 2: HAZARDS

Classified as hazardous by the criteria of Safe Work Australia.

Dangerous Goods Class 8 - Corrosive.

- R35: Causes severe burns.
- S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S37/39: Wear suitable gloves and eye/face protection.
- S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Ingredients deemed not to be hazardous	Not applicable	To 100%
Sodium Hydroxide	1310-73-2	30-60%
EDTA tetrasodium salt	64-02-8	<10%
Benzotriazole	95-14-7	<10%
o-phenylenediamine*	95-54-5	<10%

* the actual amount of this material is less than 1%.

Section 4: FIRST AID

- Eye (Contact)** Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
- Skin (Contact)** Remove contaminated clothing and flush skin and hair with running water.
- Inhalation(Breathing)** Not volatile at room temperatures.
- Ingestion (Swallowing)** DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
- Advice to Doctor** Treat symptomatically for highly alkaline solution.

First Aid Facilities	Ensure an eye bath and safety shower are available and ready for use.
Additional Information	No aggravated medical conditions are known to be caused by exposure to this product.

Section 5: FIREFIGHTING MEASURE

Suitable Extinguishing Media	Solution does not burn. Use extinguishing media suited to the materials that are burning. eg. Dry chemical, CO ₂ or water spray.
Hazards From Combustion Products	Carbon dioxide, carbon monoxide, nitrogen oxides and other toxic gases may be produced in the case of fire or during thermal decomposition. Corrosive alkali vapours may be present.
Precautions For Fire Fighters and Special Protective Equipment	Firefighters must wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure that no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.
Additional Information	Hazchem Code – 2R May generate flammable hydrogen gas if in contact with zinc, tin, magnesium or aluminium.

Section 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure	SAA/SNZ HB76: Dangerous Goods – Initial Emergency Response Guide (Guide 37) – for large volumes.
Spills / Clean up	Clean up personnel should wear full protective clothing. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as sand, vermiculite or other inert material. Prevent spill entering sewers or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling	Contact Whiteley Corporation sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin. Not to be used on metal surfaces / equipment or polished floors. Any non-intended or non-authorized use of this product may result in severe personal injuries including caustic burns, or damage to equipment and severe corrosion. This product will be slippery when on the floor. Store product in original container. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.
Conditions for Safe Storage	Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

<u>Ingredient</u>	<u>CAS No</u>	<u>ES-TWA</u>	<u>ES-STEL</u>
Sodium Hydroxide	1310-73-2	2mg/m ³	Not available
o-phenylenediamine	95-54-5	0.1mg/m ³	Not available

Biological Limit Values Not available.

Engineering Controls Ensure adequate ventilation to keep airbourne concentrations below exposure standards.

Personal Protective Equipment



Eye/face protection – Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
 Skin protection – Use nitrile rubber gloves to prevent skin contact.
 Respiratory protection – Respirator is not usually necessary but if product is being used in a confined area where mist is a problem, use a respirator suitable for particulates and alkaline gases.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear brown liquid

Boiling Point approximately 115°C

Odour Characteristic

Freezing Point approximately 1°C

pH >13

Solubility Soluble in water.

Specific Gravity 1.31

Flash Point Not Applicable.

Vapour Pressure Not Available.

Upper and Lower Flammability limits (in air) Not Applicable.

Vapour Density Not Available.

Ignition Temperature Not Applicable.

Section 10: STABILITY AND REACTIVITY

Chemical Stability

Stable under normal ambient storage conditions.

Conditions to avoid

Avoid high temperatures (store below 30°C). Protect against physical damage.

Incompatible materials

Incompatible with aluminium, tin, zinc, magnesium and their alloys. Also incompatible with acid, fertilizers, chlorinating compounds, brominated compounds and nitrated hydrocarbons.

Hazardous decomposition products

May react with aluminium, tin and zinc to produce flammable hydrogen gas.

Hazardous reactions

See Hazardous decomposition products above.

Section 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute

Swallowed	Considered an unlikely route of entry in commercial / industrial environments. May cause tissue damage in the mouth, throat and stomach. May be fatal if swallowed.
Eye	Pain and reddening will occur. Severe damage may result if not treated immediately.
Skin	Causes irritation, redness and burns on contact with skin.
Inhaled	Inhalation of mist may cause irritation.

Chronic

Swallowed	No effects known.
Eye	Permanent injury may result.
Skin	Repeated skin contact may lead to dermatitis.
Inhalation	Possibility of moderate to severe respiratory damage.

TOXICITY DATA

Sodium hydroxide	LD ₅₀ 40mg/kg (Intraperitoneal, mouse)	RTECS WB4900000
EDTA tetrasodium salt	LD ₅₀ 330mg/kg (Intraperitoneal, mouse)	RTECS AH5075000
Benzotriazole	LD ₅₀ 560mg/kg (Oral, rat)	RTECS DM1225000
o-phenylenediamine	LD ₅₀ 510mg/kg (Oral, rat)	RTECS SS7875000

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not available.
Persistence and degradability	Not available.
Mobility	Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method	Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before recycling or disposing to an authorised landfill.
Special precautions	Normally suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).	
UN Number	1719
UN Proper Shipping Name	CAUSTIC ALKALI LIQUID, N.O.S.
Class and subsidiary risk	8 – Corrosive
Packing Group	II
Special precautions for user	Not applicable
Hazchem Code	2R

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Schedule 6 – POISON.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16: OTHER INFORMATION

Date of revision: 6th July, 2010

© This document remains property of Whiteley Corporation Pty Ltd.
Alterations are not permitted without prior written authorisation from Whiteley Corporation Pty Ltd.