

msds

SAFETY DATA SHEET

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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT (MATERIAL) NAME	FOCUS TILE & VINYL CLEANER		
OTHER NAMES	POOL FAST TILE & VINYL CLEANER		
RECOMMENDED USE	A concentrated cleaner-degreaser, applied by trigger sprays on to tiles and grout around pools.		
SUPPLIER NAME/ADDRESS	Focus Products Pty Ltd 35 Moreton Street Heathwood Qld 4110 PO Box131 Carole Park QLD 4300		
TELEPHONE NO.	1800 42 55 66		
EMERGENCY PHONE NUMBER	0411 623 619 (A/H)	Hours: 0800-1700	Monday-Friday

SECTION 2 HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION	Hazardous according to criteria of SAFework Australia. Not considered dangerous according to ADG Code C : corrosive		
RISK PHRASE(S)	R34: Causes burns. R36/37/38: Irritating to eyes, respiratory system and skin.		
SAFETY PHRASE(S)	S2 Keep out of reach of children. S26 In case of contact with eyes rinse immediately with plenty of water and contact a doctor or Poisons Information Centre ☎ 131126. S24/25: Avoid contact with skin and eyes. S 37/39 Wear suitable gloves and eye/face protection. S 37/39 Wear suitable gloves and eye/face protection. S 45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).		

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Chemical identity of ingredients	Proportion of ingredients	CAS Number(s) for ingredients
sodium hydroxide	2%<X<5%	[1310-73-2]
alkaline salts	<10%	

Balance of formulation consists of other ingredients determined not to be hazardous.

SECTION 4 FIRST AID MEASURES

Swallowed:	Thoroughly rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. If poisoning occurs, contact a doctor or Poisons Information Centre ☎ 131126.
Eye:	If in eyes, 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:	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation:	Remove victim from exposure, keep warm and at rest. Avoid becoming a casualty. Seek medical attention.
Medical attention or special	

treatment required	
ADVICE TO DOCTOR.	Treat symptomatically
SECTION 5 FIRE FIGHTING MEASURES	
SUITABLE EXTINGUISHING MEDIA	Foam, Carbon Dioxide, Dry Chemical Powder, and Water fog.
HAZARDS FROM COMBUSTION PRODUCTS	Combustion will release toxic gasses. (COx)
SPECIAL PROTECTIVE PRECAUTIONS AND EQUIPMENT FOR FIRE FIGHTERS	Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of decomposition (COx) evolved.
<i>Additional information</i>	Not classed as flammable under ADG Code.
<i>Hazchem Code</i>	Not Applicable
SECTION 6 ACCIDENTAL RELEASE MEASURES	
EMERGENCY PROCEDURES	Extinguish any source of flame Evacuate area, clearing all unnecessary personnel. Contain liquid with soil/sand. Prevent liquid from entering storm water drains, basements or workpits. Wear protective goggles to prevent eye contamination. Small spills may be diluted with large amounts of water and disposed to sewer (or pool) Large Spills - Absorb spill with soil/sand and recover material into mild steel drums. Label drums correctly.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP	Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.
SECTION 7 HANDLING AND STORAGE	
PRECAUTIONS FOR SAFE HANDLING	Wear protective goggles and rubber gloves to prevent eye and skin contamination.
CONDITIONS FOR SAFE STORAGE	Keep containers tightly sealed when not in use. Store in a well-ventilated place and out of direct sunlight. Check area regularly for spills.
INCOMPATIBILITIES	Not to be loaded with dangerous when wet substances (Class 4.3), oxidising agents (Class 5), strong acids (Class 8) or foodstuffs.
SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION	
NATIONAL EXPOSURE STANDARDS	None established for this product. However for Sodium hydroxide, Threshold Limit Value (TLV*): 2mg/m ³ - Ceiling Value by NH&MRC ceiling value should not be exceeded even instantaneously.
BIOLOGICAL LIMIT VALUES	
ENGINEERING CONTROLS	
PERSONAL PROTECTION:	Avoid unnecessary contact as good work practice. Wash contaminated clothing and protective equipment before storing and re-use. Wash hands before eating, smoking or using the toilet. It is usually safe to not use respiratory protection. However, there may be circumstances where use of a mask or other device is appropriate. Use judgment. For assistance in selecting suitable equipment consult AS/NZ1715.
<u>RESPIRATORY PROTECTION</u>	
<u>EYE PROTECTION</u>	Eye protective measures are normally necessary, and are suggested when using this product. Consult AS1336 and AS/NZ1337
<u>PROTECTIVE GLOVES</u>	Rubber, PVC or other protective gloves are necessary, and desirable, especially if product is being used frequently or for lengthy periods. Consult AS2161 for guidance.
<u>CLOTHING</u>	Clean overalls should be worn, preferably with an apron. Consult AS2919 for clothing guidance.
<u>SAFETY FOOTWEAR</u>	Wearing safety boots is advisory. Consult AS/NZ 2210 for advice on Occupational Protective Footwear.
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
<u>Appearance:</u>	light orange, mobile medium foaming liquid.
<u>Flammability:</u>	NA
<u>Melting Point:</u>	NA
<u>Boiling Point:</u>	100°C
<u>Flash Point:</u>	unknown
<u>Vapour Pressure:</u>	unknown
<u>Volatiles:</u>	87%
<u>Vapour Density</u>	unknown
<u>Flammability Limits</u>	unknown
<u>pH</u>	13-14
<u>Specific Gravity:</u>	1.05
<u>Solubility in water</u>	soluble
SECTION 10 STABILITY AND REACTIVITY	
Chemical stability	Stable

Conditions to avoid	Do not mix with oxidising agents (Class 5)
Incompatible materials	Not to be loaded with dangerous when wet substances (Class 4.3), oxidising agents (Class 5), , strong acids (Class 8) or foodstuffs.
Hazardous decomposition products	Upon combustion oxides of carbon (CO _x) and sodium.
Hazardous reactions	Stabilised Chlorine (SDIC and TICA) (Chlorinated Cyanurates)

SECTION 11 TOXICOLOGICAL INFORMATION

Sodium Hydroxide	LD 50 intraperitoneal (mouse) 40mg/kg. Oral Lowest Lethal Dose (rabbit) 500mg/kg
SYMPTOMS OF EXPOSURE	
Swallowed:	Ingestion of large amounts may result in abdominal pain, nausea or vomiting, irritation of the gastrointestinal tract.
Eye:	Corrosive , causing pain, redness, and tearing.
Skin:	Irritant to the skin. However repeated or prolonged contact may result in irritation or burns or dermatitis in some individuals.
Inhalation:	If atomized the mist is irritant to mucous membranes and respiratory tract.
ACUTE	Not known
DELAYED	
<i>Additional information</i>	
<i>Aggravated medical conditions caused by exposure</i>	

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY	No data available.
PERSISTENCE AND DEGRADABILITY	Strong alkaline substances that dissociates fully. The concentration of OH-(pH) is in general regulated by equilibria between CO ₂ , HCO ₃ ⁻ and CO ₃ ²⁻ . In general the buffer capacity depends on the concentration of these substances.
MOBILITY	Very mobile in soil and very soluble in water. In the case of a solid, anhydrous sodium spill on soil, groundwater pollution will occur if precipitation occurs prior to cleanup. Precipitation will dissolve some of the solid (with much heat given off) and create an aqueous solution of sodium hydroxide, which then would be able to infiltrate the soil. However, prediction of the concentration and properties of the solution produced would be difficult.
<i>ADDITIONAL INFORMATION</i>	
<i>ENVIRONMENTAL FATE (EXPOSURE)</i>	Do NOT let product reach waterways, drains and sewers. The hazard for the environment is caused by the hydroxyl ion (pH effect).
<i>BIOACCUMULATIVE POTENTIAL</i>	No information available on bioaccumulation for this product.

SECTION 13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS AND CONTAINERS	Refer to State Land Waste Management Authority. Empty containers must be decontaminated. Normally suitable for disposal at approved land waste site.
SPECIAL PRECAUTIONS FOR LANDFILL OR INCINERATION	

SECTION 14 TRANSPORT INFORMATION

UN NUMBER	Not applicable
UN PROPER SHIPPING NAME	Not applicable
CLASS AND SUBSIDIARY RISK	Not applicable
PACKING GROUP	Not applicable
SPECIAL PRECAUTIONS FOR USER	Not applicable
HAZCHEM CODE	Not applicable

SECTION 15 REGULATORY INFORMATION

Poison Schedule	5
OHS	Considered a hazard
Environmental	Not considered a hazard
<i>Additional information</i>	
<i>Additional national and/or international regulatory information.</i>	

SECTION 16 OTHER INFORMATION

Date of preparation or last revision of the MSDS	5 December 2014
Prepared by	Glenn Bowring B App Sc (App Chem)
<i>Additional information</i>	
<i>Key/legend to abbreviations and acronyms used in the MSDS.</i>	
ADG	Australian Code for the Transport of Dangerous Goods by Road and Rail

ACGIH	American Conference of Governmental Industrial Hygienists
ASCC	Australian Safety and Compensation Council
Carcinogen Category Number	<ol style="list-style-type: none"> 1. Established human carcinogen 2. Probably human carcinogen 3. Substances suspected of having carcinogenic potential
Code AICS	Australian Inventory of Chemical Substances
CAS number	Chemical Abstracts Service Registry Number
EPG	Emergency Procedure Guide (superseded by IERG)
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IERG	HB 76-2004 Dangerous goods - Initial Emergency Response Guide
IMDG	International Maritime Dangerous Goods. A uniform code for transport of dangerous goods at sea.
LEL	lower flammable (explosive) limits in air;
LD₅₀	Lethal Dose sufficient to kill 50% of test population
NIOSH	National Institute for Occupational Safety and Health The United States federal agency responsible for conducting research and making recommendations for the prevention of work-related injury and illness.
NOAEL	No Observed Adverse Effect Level
NOEL	No Observable Effect Level
NOHSC	National Occupational Health and Safety Commission
NTP	National Toxicology Program (USA)
PEL	Permissible Exposure Limit
RTECS	Registry of Toxic Effects of Chemical Substances (Symyx Technologies')
TCL_o	Toxic Concentration Low
TD_{Lo}	Toxic Dose Low : lowest dosage per unit of bodyweight (typically stated in milligrams per kilogram) of a substance known to have produced signs of toxicity in a particular animal species.
TLV	Threshold Limit Value (ACGIH):The time weighted average used to describe exposure which is harmless to most of the population when exposed 8 hours per day, 40 hours per week.
TWA	(Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
SAFework	Independent statutory agency with primary responsibility to improve occupational health and safety and workers' compensation arrangements across Australia.
STEL	(Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UEL	upper flammable (explosive) limits in air;
UN Number	United Nations Number
<i>Literature references.</i>	
<i>Sources for data.</i>	<p>Material Safety Data Sheets from Suppliers</p> <p>Hazardous Substances Information System (HSIS)– ASCC Australia (on-line)</p> <p>ESIS (European Chemical Substance Information System)</p> <p>ADG Code 7th Edition</p> <p>SUSMP N° 4</p>

DISCLAIMER:

This MSDS summarizes 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 its use 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 Focus Products Pty Ltd. 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. Focus Products Pty Ltd however makes no warranty whatsoever, expressed, implied or of merchantability regarding the accuracy of such data or the results to be obtained from the use thereof and assumes no responsibility for injury to buyer or third persons or for any damage to property, Buyer assumes all risks.