

msds



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MATERIAL SAFETY DATA SHEET

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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

PRODUCT (MATERIAL) NAME FOCUS AQUASHIELD 3 / POOLFAST SCALE AWAY
OTHER NAMES
RECOMMENDED USE SWIMMING POOL SALT CELL PROTECTOR AND SCALE REMOVER.
COMPANY NAME/ADDRESS Focus Products Pty Ltd
35 Moreton Street
Heathwood Qld 4110
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TELEPHONE NO. 1800 42 55 66
EMERGENCY PHONE NUMBER 0411 623 619 (A/H)

SECTION 2 HAZARDS IDENTIFICATION

HAZARD Classified as hazardous according to criteria of SAFEWORK.
CLASSIFICATION Not classified as dangerous according to criteria of ADG Code.
Xi – irritant.
RISK PHRASE(S) R36/37 Irritating to eyes and skin.
SAFETY PHRASE(S) S24/25 Avoid contact with skin and eyes. S 26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

MIXTURE

Chemical identity of ingredients	Proportion of ingredients	CAS Number(s) for ingredients
Mixed salts of phosphonic acid derivatives	10-25%	Proprietary

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

SECTION 4 FIRST AID MEASURES

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre 131126. If swallowed, do NOT induce vomiting. Give glass of water.
Eye: If in eyes, hold eyes open, flood with water for at least 15minutes and see a doctor
Skin: Remove contaminated clothing and wash before re-use. Wash effected areas with water initially, then soap and water. Seek medical advice if irritation persists
Inhalation: Remove victim to ventilated area. See a doctor.
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. (CO _x & PO _x)
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 (CO _x & PO _x) 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. 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), cyanides (Class 6).

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

NATIONAL EXPOSURE STANDARDS	NOHSC has not assigned any exposure standards for this product.
BIOLOGICAL LIMIT VALUES	
ENGINEERING CONTROLS	Store in original containers.
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.
<u>RESPIRATORY PROTECTION</u>	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 judgement. For assistance in selecting suitable equipment consult AS/NZ1715.
<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>	clear, blue mobile fluid, soluble in water.
<u>Flammability:</u>	product is not flammable.
<u>Melting Point:</u>	not applicable
<u>Boiling Point:</u>	100°C
<u>Flash Point:</u>	unknown
<u>Vapour Pressure:</u>	unknown
<u>Volatiles:</u>	80+/-1.0%
<u>Vapour Density</u>	unknown
<u>Flammability Limits</u>	unknown
<u>Specific Gravity:</u>	1.09-1.15
<u>Solubility in water</u>	completely miscible
<u>pH as supplied</u>	3.0-6.0

SECTION 10 STABILITY AND REACTIVITY

Chemical stability	Stable at rooms temperature, but will decompose above 200°C, after loss of water.
Conditions to avoid	Do not mix with oxidising agents (Class 5) or heat above 200°C.
Incompatible materials	Not to be loaded with dangerous when wet substances (Class 4.3), oxidising agents (Class 5), cyanides (Class 6).

Hazardous decomposition products	Upon combustion oxides of carbon (CO _x) and phosphorous (PO _x)
Hazardous reactions	Oxidising agents (Class 5)
SECTION 11 TOXICOLOGICAL INFORMATION	
SYMPTOMS OF EXPOSURE	
Swallowed:	Irritating to all tissues, due to low pH. Very low toxicity. Very unlikely sufficient will be ingested to cause any permanent damage, although may cause nausea and abdominal pain.
Eye:	Irritating to eyes. Will cause temporary discomfort. No permanent damage likely.
Skin:	Product has very low dermal toxicity and is not primary irritant or skin sensitizer. Irritation due to pH.
Inhalation:	Not a likely exposure route.
ACUTE	
DELAYED	
<i>Additional information</i>	Repeated Dose toxicity (90days – food) rat: NOEL : 10,000mg/kg
<i>Aggravated medical conditions caused by exposure</i>	
SECTION 12 ECOLOGICAL INFORMATION	
ECOTOXICITY	Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50 greater than 100 mg/L in most sensitive species).
PERSISTENCE AND DEGRADABILITY	Not readily biodegradable
MOBILITY	
<i>ENVIRONMENTAL FATE (EXPOSURE)</i>	
<i>BIOACCUMULATIVE POTENTIAL</i>	
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	unscheduled
OHS	Not considered a hazard
Environmental	Not considered a hazard
SECTION 16 OTHER INFORMATION	
Date of preparation or last revision of the MSDS	16 June 2014
<i>Prepared by</i>	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')
TCL₀	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>	Material Safety Data Sheets from Suppliers Hazardous Substances Information System (HSIS)– ASCC Australia (on-line) ESIS (European Chemical Substance Information System) ADG Code 7 th Edition SUSMP N ^o 4

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.

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