SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

GHS IDENTIFIER

PRODUCT (MATERIAL) NAME **FILTRITE PHOSPHATE ELIMINATOR EXTREME**

OTHER NAMES

PROPER SHIPPING NAME

RECOMMENDED USE	A phosphate reduction treatment suitable for use in swimming pools.
SUPPLIER NAME/ADDRESS	Clark Rubber 254 Canterbury Road Bayswater VIC 3153
TELEPHONE NO.	+61 3 8727 9999
EMERGENCY PHONE NUMBER	+61 3 8727 9999

SECTION 2 HAZARDS IDENTIFICATION

HAZARD CLASSIFICATION OF MIXTURE **Classified as hazardous according to criteria of SAFEWORK Australia.**

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; NON-DANGEROUS GOODS.

SUSMP SCHEDULE NOT SCHEDULED

HAZARD CATEGORY
Skin irritation (Category 2)
Eye irritation (Category 2)
Specific target organ toxicity - single exposure (Category 3)

PICTOGRAMS

SIGNAL WORD WARNING

HAZARD STATEMENTS
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

GENERAL
P101 If medical advice is needed, have product container or label at hand
P102 Keep out of reach of children
P103 Read label before use

PREVENTION
P260 Do not breathe mist/vapours.
P264 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves / protective clothing / eye protection / face protection.

RESPONSE
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
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.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.

STORAGE
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

DISPOSAL	P501 Dispose of contents/ container to an approved waste disposal plant.

SECTION 3 COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

MIXTURE

Chemical identity of ingredients	CAS Number(s) for ingredients	Proportion of ingredients	GHS Hazard at concentration present
Lanthanum chloride	10025-84-0	10-30%	H302;H315;H318;H319;H335; H402

If the sum of ingredients is less than 100%, the material consists of further ingredients determined not to be hazardous or below their cut-off limits as listed in HSIS.

SECTION 4 FIRST AID MEASURES

For advice, contact a Poisons Information Centre (e.g. phone Australia 131 126; New Zealand 0800 764 766) or a doctor.

Ingestion:	Rinse mouth with water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.
Eye contact:	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.
Skin contact:	If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Inhalation:	Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
Medical attention or special treatment required	
ADVICE TO DOCTOR.	Treat symptomatically

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

SYMPTOMS OF EXPOSURE

Ingestion:	May cause irritation of the digestive tract. May be harmful if swallowed..
Eye contact:	Causes eye irritation.
Skin contact:	Causes skin irritation. May be harmful if absorbed through the skin.
Inhalation:	Inhalation of mists or aerosols will result in respiratory irritation.
ACUTE	
DELAYED	
Additional information	
Aggravated medical conditions caused by exposure	

SECTION 5 FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA	Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).
SPECIAL HAZARDS FROM COMBUSTION PRODUCTS	Non-combustible liquid. Decomposition compounds resulting: Hydrogen chloride gas, Lanthanum oxides.
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
Additional information	Not classed as flammable under ADG Code .

SECTION 6 ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES /ENVIRONMENTAL PRECAUTIONS:	Clear area of all unprotected personnel. Do not allow product to enter drains, sewers, waterways or soil. If contamination of drains has occurred, advise the local emergency services.
PERSONAL PRECAUTIONS /PROTECTIVE EQUIPMENT /METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:	Wear protective equipment to prevent skin and eye contact and breathing in vapour.

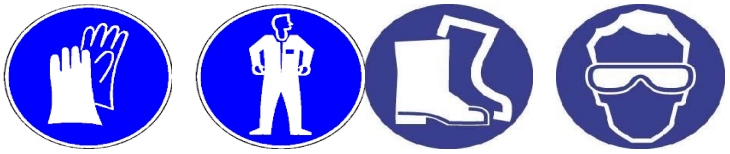
	Contain spilled product using absorbent (soil or sand). Prevent run off into drains, sewers waterways or soil. Collect and seal in properly labelled drums ready for appropriate disposal. Dilute remaining product with water, then carefully neutralize with lime. For large spills notify local emergency services. .

SECTION 7 HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Irritant liquid. Ensure an eye bath and safety shower are available and ready for use. Use only in a well-ventilated area. Prevent the build-up of mists in the work atmosphere. Avoid inhalation of mists, and skin or eye contact. Wear appropriate protective equipment to prevent inhalation, skin and eye contact when mixing and using. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet. Keep containers sealed when not in use.
CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:	Store in a cool, dry, well ventilated place and out of direct sunlight. Protect from moisture. Do NOT store with foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS	Not determined for this product.
APPROPRIATE ENGINEERING CONTROLS:	Ensure ventilation is adequate and that air concentrations of components are controlled below quoted Workplace Exposure Standards. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.
INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE):	The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES.



Wear overalls, chemical goggles and impervious gloves. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If determined by a risk assessment an inhalation risk exists, wear a suitable mist respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear mobile fluid. No apparent odour.
Flammability:	Not applicable
Melting Point:	Not applicable
Boiling Point:	unknown
Flash Point:	Not applicable
Vapour Pressure:	unknown
Volatiles:	nil
Vapour Density	unknown
pH as supplied	3.5-5.0
Specific Gravity:	1.2-1.25
Solubility in water	soluble

SECTION 10 STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions of storage and handling.
Conditions to avoid	Heat-sensitive, avoid exposure to extreme heat and high temperatures. Avoid sources of ignition.

Incompatible materials	Avoid contact with unalloyed steels, galvanized or aluminium surfaces. Do not expose to chlorite, hypochlorite, sulphite, sodium hydroxide, alkalis, oxidizing agents and cyanides. Keep away from all foodstuffs.
Hazardous decomposition products	Hydrogen chloride gas.
Hazardous reactions	Strong aqueous solutions of the product will readily react with sodium hydroxide and other alkali to form a thick slippery paste or gel. When involved in a fire, the product will undergo thermal decomposition to produce hydrogen chloride gas.

SECTION 11 TOXICOLOGICAL INFORMATION

Lanthanum salts Oral LD_{50} (Rat):4200mg/kg; Dermal Rat LD_{50}: 4184mg/ kg

Acute toxicity:	Not expected to be toxic
Skin corrosion/irritation:	May be irritant.
Serious eye damage/irritation:	May be irritant
Respiratory or skin sensitisation:	Not expected to be a sensitiser.
Germ cell mutagenicity:	Not expected to be mutagenic.
Carcinogenicity:	Not expected to be carcinogenic.
Reproductive toxicity:	Not expected to impair fertility.
Specific Target Organ Toxicity (STOT) – single exposure:	Mists may be an irritant
Specific Target Organ Toxicity (STOT) – repeated exposure:	No data
Aspiration hazard:	Not expected to be a hazard.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	no data available
Persistence and degradability	no data available
Mobility in soil	no data available
Additional information	
Environmental fate (exposure)	no data available
Bioaccumulative potential	no data available

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.

SECTION 14 TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; NON-DANGEROUS GOODS.

UN Number	Not applicable
UN Proper Shipping Name	Not applicable
Class and subsidiary risk	Not applicable
Packing Group	Not applicable
IERG	Not applicable
Special precautions for user	Not applicable
Hazchem Code	Not applicable

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

SECTION 15 REGULATORY INFORMATION

CLASSIFICATION:	**Classified as hazardous according to criteria of SAFEWORK Australia.**
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE:	H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation.
HAZARD STATEMENT(S):	Skin irritation (Category 2) Eye irritation (Category 2) Specific target organ toxicity - single exposure (Category 3)
POISONS SCHEDULE (SUSMP):	NOT SCHEDULED
AICS	All ingredients are on the Australian Inventory of Chemical Substances
Additional information	
Additional national and/or international regulatory information.	

SECTION 16 OTHER INFORMATION

CONTACT PERSON/POINT	FOR EMERGENCIES ONLY CONTACT : Australia	: 000
	POISONS INFORMATION CENTRE : Australia	131126
		: New Zealand 0800 764 766

Date of preparation or last revision of the SDS	23 June 2020
Prepared by	Michael Scuderi BE(chem)
Additional information	

Key/legend to abbreviations and acronyms used in the SDS.

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	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;
LD_{50}	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
Literature references.	
Sources for data.	Safety Data Sheets from Suppliers Hazardous Substances Information System (HSIS)– ASCC Australia (on-line) GHS (Globally Harmonised System of Substance Classification & Labelling) REACH (European Chemical Substance Information System) ADG Code 7.6th Edition SUSMP Nº 27

DISCLAIMER: