Safety Data Sheet

Efflorescence Remover

Sealing | Issue Date: May 2020 | 7 Day Technical Support 1800 655 711

1. Identification of the Material and Supplier

Company Name:	Crommelin	U.N. Number:	N/A
Address:	72 Division St, Welshpool, WA	Dangerous Goods Class/ and Subsidiary Risk:	N/A
Telephone Contact:	+61 8 9458 5711	Hazchem Code:	N/A
Emergency Contact:	Poisons Information Centre 13 11 26	Poisons Schedule:	S5
Fax:	+61 8 9451 4749	Manufactured:	Yes
Product Name:	Efflorescence Remover		
Manufacturers Code:	7222A		
Recommended Uses:	Treatment and removal of efflorescence		

2. Hazardous Material

Hazard Classification: HAZARDOUS SUBSTANCE. NON-DANGEROUS GOOD. Classified as Hazardous according to the criteria of NOHSC. Not classified as a Dangerous Good according to the Australian Dangerous Goods Code. Classified as an Irritant according to the Australian Dangerous Goods Code

GHS Classification:
Skin corrosion Category 1A
Serious eye damage Category 1
Metal corrosion Category 1

Label elements according to the GHS.
Hazard pictograms:

Corrosion (GHS05)
Signal word: **DANGER**
Hazard statements:
H314 Causes severe skin burns and eye damage. Category 1A
H318 Causes serious eye damage. Category 1
H290 May be corrosive to metals. Category 1
Precautionary statements:
P234 Keep only in original container
P260 Do not breathe dusts or mists.
P264 Wash …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 CENTER or doctor/physician.
P321 Specific treatment (see … on this label) (cleansing agent if appropriate)
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

3. Composition/ Information on Hazardous Ingredients

Chemical Name	CAS No.	Proportion
Nitric Acid	7697-37-2	< 4%
Phosphoric Acid	7664-38-2	< 2%
Non-Hazardous Ingredients	N/A	to 100%

4. First Aid

Swallowed:	Do not induce vomiting. Wash mouth and lips thoroughly with water. Seek medical advice if symptoms persist.
Eyes:	Immediately flush gently with running water, holding eyelids open for 15 mins. Seek medical attention.
Skin:	Remove all contaminated clothing. Wash affected area immediately with soap and water. If irritation develops seek medical attention. Inhaled: Water-based acidic solution, treat for drowning.
First Aid Facilities:	Eye wash and normal wash room facilities.
Advice to Doctor:	Treat symptomatically as for acidic material.
Other information:	For advice in an Emergency, contact Poisons information centre Ph: 13 11 26 (Australia) or a doctor.

5. Fire Fighting Measures

Flammability:	Not Flammable
Suitable Extinguishing Media:	Not combustible however, if material is involved in a fire use fine water spray, normal foam, or dry agent (carbon dioxide, chemical powder)
Hazards from combustion:	Under fire conditions the product may emit toxic fumes
Product Specific Hazards:	This product is not combustible. However, under fire conditions, following evaporation of the aqueous component, components may decompose and/or burn.
Precautions in connection with fire:	Fire fighters should wear self-contained breathing apparatus and full PPE to prevent exposure to vapours, fumes and products of combustion. Water spray may be used to cool down heat-exposed containers

6. Accidental Release Measures

Emergency Procedures:	Avoid accidents, clean up immediately. Wear appropriate PPE to minimise exposure. Absorb spilt product with the use of inert absorbent material, sand or earth. Collect and place in labelled containers. Dispose as per local, state and federal government regulations. Do not allow large spills to enter drains or sewers, inform local water authorities and EPA in accordance with local regulations.

7. Handling and Storage

Precautions for safe handling:	Wear appropriate PPE to prevent inhalation, skin and eye contact. Use in areas with adequate ventilation. Practice good personal hygiene. Keep containers closed when not in use.
Conditions for safe storage and transport:	Store in a cool, dry, well ventilated place, away from incompatible storage materials such as strong acids, strong bases and oxidising agents. Protect from freezing and against physical damage. Keep out of reach of children.

Spills and disposal:	Absorb spilt product onto inert absorbent material, sand or earth and collect and place in labelled containers. Dispose as per local, state and federal government regulations. Do not allow large spills to enter drains or sewers, inform local water authorities and EPA in accordance with local regulations
Fire/explosion hazard:	This product is not combustible. However, under fire conditions, following evaporation of the aqueous component, components may decompose and/or burn.

8. Exposure Controls/ Personal Protection

Exposure limits:	None established for the mixture by NOHSC, Australia. However over exposure to some chemicals may result in adverse effects on health, or aggravation of pre-existing medical conditions and/or allergic reactions and should be kept to the lowest possible levels. Nitric Acid: TWA 2ppm (5.2mg/m^3); STEL 4ppm (10mg/m^3) Phosphoric Acid: TWA 1mg/m^3; STEL 3mg/m^3
Biological limit:	No Biological limit allocated.
Ventilation:	No special ventilation requirements. Use with good ventilation to keep airborne concentrations as low as possible. Where vapours or mists are generated a local exhaust, ventilation system drawing vapours away from workers' breathing zone, should be used.
Personal protection:	Normal site PPE. Observe good industrial hygiene.
Respiratory Protection:	Not normally required. If engineering controls are not effective, then an approved respirator with a replaceable organic vapour filter should be used.
Eye Protection:	Safety glasses with side shields or goggles as appropriate.
Hand Protection:	Use chemical resistant gloves
Body Protection:	Suitable protective work wear, e.g. cotton overalls.

9. Physical Description/ Properties

Appearance:	Colourless to pale yellow liquid
Odour:	Mild Acrid Odour
Melting Point:	Not determined
Boiling Point:	Not determined; Nitric Acid 122^{0}C, Phosphoric Acid 158^{0}C
Solubility in Water:	Miscible in all proportions
Specific Gravity:	1.026
pH value:	1.5-3
Vapour Pressure:	17.5mm Hg @ 20^{0}C (water)
Vapour Density:	Not Available
Evaporation Rate:	Not Available
Flash Point:	Not Applicable
Flammability:	Non – combustible liquid
Flammable Limits Lower:	Not Applicable
Flammable Limits Upper:	Not Applicable
Percent Volatiles:	Not Applicable

10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions of storage and handling
Incompatible Materials:	Oxidising agents, strong acids and strong bases.
Reactivity:	Does not react under normal storage and handling conditions. Avoid contact with strong bases, metallic powders, carbides, Hydrogen sulphide, turpentine, and combustible organics.
Hazardous Polymerisation:	Phosphoric Acid may polymerise under extreme conditions.

11. Toxicological Information

Toxicology Information:	Not Available
Swallowed:	Will damage digestive tract on ingestion if treatment is not sought.
Eyes:	Irritant. Prolonged contact can cause corneal damage.
Skin:	Irritating to skin may cause dermatitis or skin burns on prolonged contact.
Inhaled:	Spray mist may cause damage to mucous membranes.
Chronic Effects:	Not Available.
Environment:	Avoid contaminating waterways. Do not discharge the product into drains or sewers

12. Ecological Information

Ecotoxicity: Nitric acid – toxic to fish. Phosphoric acid: Shore crab LC50=240 mg/L/48H Chronic plant toxicity=100 ppm . Affects pH.

Persistence and degradability: Product will degrade in sewage treatment plants.

Bioaccumulative potential: Not available

Mobility in soil: Not available

Other adverse effects: None known

13. Disposal Considerations

Waste disposal:	Disposal of the spilled or waste product must be done in accordance with the applicable local and national regulations.

14. Transport Information

Transport:	Not Classified as Dangerous Goods
UN Number:	Not Allocated
Dangerous Goods Class/ Subsidiary Risk:	Not a Dangerous Good
Hazchem Code:	No Hazchem Code Allocated
Poisons Schedule:	S5

15. Regulatory Information

Classified as Hazardous according to the criteria of the Global Harmonized System (GHS).
Not classified as a Dangerous Good for Transport according to the criteria of the Australian DG Code 7.4.
Classified as S5 Scheduled Poison according to the Standard for the Uniform of Drugs and Poisons (SUSDP).
All chemicals are listed on the Australian Industrial Chemical Introduction Scheme (AICIS).

16. Other Information

Abbreviations:	Kg/L – Kilogram per litre mmHg – Millimetres of Mercury CAS – Chemical Abstract Service Number (used to uniquely identify chemical compounds)
Date of Issue:	Prepared May 2020
Supercedes:	November 2016
Authorised by:	Technical Manager
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Disclaimer

End of MSDS