

SAFETY DATA SHEET

Section 1 - Identification of Chemical Product and Company

Hammersley Products (Aust) Pty Ltd ACN 001 621 281
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Trade Name: TRUST
Product Code: NA
Product Use: Aluminium Cleaner / Brightener
Revision Date: October 2020
Expiry date: October 2025

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as a HAZARDOUS CHEMICAL in accordance with the GHS. It is classified as a DANGEROUS GOOD by the ADG code.

Classification of the substance or mixture:

Skin Corrosion - Category 1A
Eye Damage - Category 1
Acute Toxicity (Oral) - Category 3
Acute Toxicity (Dermal) - Category 2
Acute Toxicity (Inhalation) - Category 3

Signal Word: Danger



Hazard Statements:

H314 Causes severe skin burns and eye damage
H301 Toxic if Swallowed
H310 Fatal in contact with skin
H331 Toxic if inhaled

Precautionary Statements:

Prevention

P260 Do not breathe mist/vapour spray
P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P270 Do not eat, drink, or smoke when using this product.
P262 Do not get in eyes, on skin, or on clothing.

Response

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P330 + P331 Rinse mouth. Do NOT induce vomiting.

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P321 If victim is conscious, give a glass of water to drink. If calcium gluconate tablets are available give four 600mg or five 500mg effervescent calcium gluconate tablets. Where calcium gluconate tablets are only available in other active strength levels, the total active concentration should be approximately 2400 – 2500 mg.

P303 + P361 + P353 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.

P310 Immediately call a POISON CENTRE or doctor.

P322 If available, apply calcium gluconate gel.

P363 Wash all contaminated clothing before reuse.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P310 Immediately call a Poison Centre or doctor.

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 Centre or doctor.

Storage

P405 Store locked up

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

SUSMP Classification: Schedule 7 (DANGEROUS POISON)
ADG Classification: Class 8 Corrosive - Subsidiary Risk Class 6.1 Toxic
UN Number: 2922 CORROSIVE LIQUID, TOXIC, N.O.S. (Contains Hydrofluoric Acid and Phosphoric Acid)

Section 3 - Composition/Information on Ingredients

This product contains Phosphoric Acid (405 g/L) and Ammonium Bifluoride (125 g/L). The Ammonium Bifluoride dissociates to produce a solution containing Hydrofluoric Acid (~87 g/L) (8.7% w/v)

| Ingredients | CAS No | Conc,% |
|--|---------------|------------|
| Hydrofluoric Acid | 7664-39-3 | < 10 % |
| Ammonium Bifluoride | 1341-49-7 | < 10 % |
| Phosphoric Acid | 7664-38-2 | 30 to 60 % |
| Surfactant Blend | Not available | < 10 % |
| Other ingredients deemed not to be hazardous | Not available | to 100 % |

Section 4 - First Aid Measures

Obtain a supply of calcium gluconate gel (2.5 – 3%) and leave it in a nearby unlocked first aid cabinet. Calcium gluconate tablets are also recommended where risk of exposure by inhalation or swallowing is high or in remote locations where medical assistance is not readily available.

For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.

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. Seek immediate medical attention.

Skin Contact If skin contact occurs, immediately remove contaminated clothing. Flush skin under running water for 15 minutes. Then apply calcium gluconate gel. Contact a Poisons Information Centre. Seek immediate medical attention.

Inhalation Remove patient to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek immediate medical attention. If victim

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is conscious, administer effervescent calcium gluconate tablets as per instructions for swallowing.

Swallowed

Do NOT induce vomiting. Rinse mouth with water and give a glass of water to drink. Seek immediate medical attention. If victim is conscious and calcium gluconate tablets are available, give four 600mg or five 500mg effervescent calcium gluconate tablets. Where calcium gluconate tablets are only available in other active strength levels, the total active concentration should be approximately 2400 – 2500 mg.

Advice to Doctor

Treat symptomatically. This product contains HYDROFLUORIC ACID and PHOSPHORIC ACID. Delayed pulmonary oedema may result due to hydrofluoric acid exposure. For hydrofluoric concentrations less than 20% the delay in symptoms may be up to 24hours.

Section 5 - Fire Fighting Measures

Not flammable. This product is not likely to be the initiator of a fire but may contribute to the fuel of a fire

Suitable Extinguishing Equipment

In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Do NOT use chemical extinguishers or foams, do NOT attempt to smother fire with steam or sand. Keep containers cool by external water spray but avoid introducing water into containers since the product may release heat on dilution.

Special Protective Equipment and Precautions for Fire Fighters

When fighting fires involving significant quantities of this product, wear a splash suit complete with self-contained breathing apparatus.

Specific hazards arising from the chemical:

When heated to decomposition temperatures toxic and/or irritating fumes including phosphorous oxide, hydrogen fluoride, carbon monoxide and carbon dioxide may be emitted. This product is corrosive and reaction with metal may release flammable hydrogen gas.

Hazchem Code: 2X

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. May be slippery when spilled.

Methods and Materials for containment and cleaning up

Contain spill with absorbent material, such as vermiculite or other inert material. Collect and dispose of spilled material according to local regulations. Neutralise with dilute solutions of soda ash or lime. 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.

Environmental precautions

Prevent spill entering sewers or waterways.

Section 7 - Handling and Storage

Precautions for Safe Handling

Avoid skin and eye contact and avoid breathing in vapour, mists or aerosols. An eye bath and safety shower is recommended. Obtain a supply of calcium gluconate gel. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Do not inhale product vapours. This product should only be used by those trained in handling potentially hazardous materials.

Conditions for Safe Storage

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Store away from incompatible materials listed in section 10 including glass, metals including zinc and bare steel, strong reducing agents, oxidizing agents, strong bases, sulfur trioxide, phosphorous pentoxide, leather, natural rubber, fluorine, arsenic trioxide, sulphides, carbonates, cyanides and sources of ignition. Protect from direct sunlight. Store in original packaging as approved by manufacturer.

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Section 8 - Exposure Controls and Personal Protection

No exposure limits available for this material, however values available for constituents;

| ASCC Exposure Limits | TWA (mg/m ³) | STEL (mg/m ³) |
|----------------------|--------------------------|---------------------------|
| Hydrofluoric Acid | 2.6 (peak limitation) | - |
| Phosphoric Acid | 1 | 3 |

NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. Peak limitation is a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes. 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.

Ventilation: Use in a well-ventilated area. This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels.

Personal Protective Equipment

RESPIRATOR: Wear an approved respirator where vapours are generated and engineering controls are inadequate.

EYES: Safety glasses or splash goggles to prevent splashing in the eyes.

HANDS: Wear rubber or neoprene impervious gloves.

CLOTHING: Chemical resistant coveralls and safety footwear.

Section 9 - Physical and Chemical Properties:

| | | | |
|--------------------------------|-------------------|--------------------------------------|----------|
| Physical Description: | Pink / Red Liquid | Water Solubility: | Miscible |
| Odour: | Acidic Odour | pH: | < 1 |
| Boiling Point: | No data | Flash Pt. | No data |
| Freezing/Melting Point: | No data | Volatility: | No data |
| Volatiles: | No data | Odour Threshold: | No data |
| Vapour Pressure: | No data. | Evaporation Rate: | No data |
| Vapour Density: | No data | Coeff Oil/water Distribution: | No data |
| Specific Gravity: | ~1.3 | Autoignition temp: | No data |

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose

Chemical Stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Avoid exposure to heat, sources of ignition and open flames. Avoid contact with incompatible materials. Avoid exposure to light.

Incompatible Materials: Glass, metals including zinc and bare steel, strong reducing agents, oxidizing agents, strong bases, sulfur trioxide, phosphorous pentoxide, leather, natural rubber, fluorine, arsenic trioxide, sulphides, carbonates, and cyanides

Hazardous Decomposition Products: Toxic and/or irritating fumes including phosphorous oxide, hydrogen fluoride, carbon monoxide and carbon dioxide. Reaction with metal may release flammable hydrogen gas.

Hazardous Reactions: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

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

Swallowed Toxic if swallowed. Causes severe burns. Ingestion of small quantities may cause harm and larger quantities may lead to death. Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, chest pain, shortness of breath, seizures and chemical burns to the gastrointestinal tract. Dilute solutions of hydrofluoric acid can cause delayed reactions and

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| | |
|----------------|--|
| | burns some hours after exposure. Hydrofluoric acid can cause death due to toxic rather than corrosive effects if treatment is delayed. |
| Eye | A severe eye irritant. Corrosive to eyes. Causes burns, tissue destruction, permanent damage to the cornea with risk of blindness even after only short contact periods. Dilute solutions of hydrofluoric acid can cause delayed reactions and burns some hours after exposure. |
| Skin | Toxic in contact with skin. Causes severe burns. Corrosive to skin. Hydrofluoric acid is strongly corrosive to tissues and can cause acute systemic poisoning by absorption through skin. Dilute solutions of hydrofluoric acid can cause delayed reactions and burns some hours after exposure. Hydrofluoric acid can cause death due to toxic rather than corrosive effects if treatment is delayed. |
| Inhaled | Toxic by inhalation. Corrosive material. Causes burns. Mist may cause irritation to nose, throat and lungs, shortness of breath and fluid in the lungs. Delayed (up to 48 hours) fluid buildup in the lungs may occur. Hydrofluoric acid is strongly corrosive to tissues and can cause acute systemic poisoning by inhalation. Dilute solutions of hydrofluoric acid can cause delayed reactions and burns some hours after exposure. Hydrofluoric acid can cause death due to toxic rather than corrosive effects if treatment is delayed. |

Chronic Effects

Chronic low dose exposure to hydrofluoric acid by inhalation can lead to ulceration and perforation of the nasal septum. Chronic exposure to excessive quantities of gaseous or particulate fluoride results in nausea, vomiting, loss of appetite and diarrhoea or constipation. Fluorosis or other chronic effects may result from significant acute exposures.

Acute Toxicity

No data available for this product. Data for the constituent/s;

HYDROFLUORIC ACID

Inhalation LC 50 (rat): 1276 ppm /1 hr

Inhalation LC 50 (mice): 342 ppm / 1 hr

Hydrofluoric acid lowest lethal concentration in humans: 50ppm in 30 minutes.

Eyes: Severe Irritant (humans)

PHOSPHORIC ACID

Oral LD50 (rat): 1530mg/kg (50% solution)

Dermal LD50 (rabbit): 2740mg/kg (50% solution)

Inhalation LC50 (rat): > 0.85mg/L (anhydrous substance)

Eye Irritation Test (rabbit): Severe Irritant

Section 12 - Ecological Information

Avoid contaminating waterways.

Ecotoxicity

No data

Persistence/degradability

No data

Section 13 - Disposal Considerations**Disposal method**

Refer to State/Territory Waste Management Authority. Dispose of material through a licensed waste contractor. Unused/ unwanted product should be handled as hazardous waste. All empty packaging should be disposed of in accordance with local, state and federal regulations or recycled at an approved facility.

Special precautions

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Section 14 - Transport Information

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code)

UN Number: 2922

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Issued by: Hammersley Products (Aust) Pty Ltd

Phone: (02) 4928 2955

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

UN Proper Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S
Class: 8 Corrosive substances
Subsidiary risk: 6.1 Toxic substances
Packing Group: II
Special precautions for user: -
Hazchem Code: 2X

Section 15 - Regulatory Information

Poisons Schedule (SUSMP): Schedule 7 (DANGEROUS POISON)
All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16 - Other Information

Date of Preparation: October 2020

This SDS contains only safety-related information. For other data see product literature. Please read all labels carefully before using product.

THIS SDS SUMMARISES 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 MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS

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.

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