



SAFETY DATA SHEET

PROFESSIONAL LIME OFF

Infosafe No.: 7EFQB
ISSUED Date : 15/10/2020
ISSUED by: Integra Industries

CLASSIFIED AS HAZARDOUS

1. Identification

GHS Product Identifier

Professional Lime Off

Company Name

Integra Industries

Address

21A Grosvenor St

Dunedin

Telephone/Fax Number

Ph: (03) 4556805

Emergency phone number

0800 243 622

Emergency Contact Address

Integra Industries

21A Grosvenor St

Dunedin

Recommended use of the chemical and restrictions on use Acidic hard surface cleaner and sanitiser.

2. Hazard Identification

GHS classification of the substance/mixture

6.1D (Oral) - Substance that is acutely toxic

6.1E (Dermal) - Substance that is acutely toxic

8.1A Substance that is corrosive to metals

8.2C Substance that is corrosive to dermal tissue

8.3A Substance that is corrosive to ocular tissue

9.1D Substance that is slightly harmful to the aquatic environment or is otherwise designed for biocidal action

9.3C Substance that is harmful to terrestrial vertebrates

Signal Word (s)

DANGER

Hazard Statement (s)

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H313 May be harmful in contact with skin.

H318 Causes serious eye damage.

H433 Harmful to terrestrial vertebrates.

Precautionary statement – 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.

Pictogram (s)

Corrosion, Exclamation mark



Precautionary statement – Prevention

P234 Keep only in original container.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

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).

P330 Rinse mouth.

P390 Absorb spillage to prevent material damage.

Precautionary statement – Storage

P405 Store locked up.

P406 Store in corrosive resistant/ container with a resistant inner liner.

Precautionary statement – Disposal

P501 In the case of a substance that is in compliance with a HSNO approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided. See Section 13 for disposal details.

3. Composition/information on ingredients

Ingredients

Name	CAS	Proportion
Phosphoric acid	7664-38-2	30 - 60%
Benzalkonium chloride	8001-54-5	< 5%
Non-hazardous ingredients	-	< 5%
Water	7732-18-5	Remainder

4. First-aid measures

First Aid Measures

24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)

New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)

New Zealand Emergency Services: 111

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. For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible, either on site or at the nearest hospital.

Ingestion

If swallowed, do NOT induce vomiting. Immediately rinse mouth with water, and then provide liquid slowly. Contact the National Poisons Centre at 0800 764 766 (0800 POISON) or +64 3 479 7248 or a doctor (at once). Transport to hospital or doctor without delay.

Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Eye contact

If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes. Urgently seek medical assistance. Transport promptly to hospital or medical centre.

First Aid Facilities

Eye wash facilities and safety shower should be available.

Advice to Doctor

1. Most Important Symptoms and Effects, Both Acute and Delayed:

- Can cause corneal burns.

Airway problems may arise from laryngeal edema and inhalation exposure. Strong acids produce a coagulation necrosis characterised by formation of a coagulum (eschar) as a result of the desiccating action of the acid on proteins in specific tissues.

2. Immediate Medical Attention and Special Treatment Needed:

- Treat symptomatically.

Treat with 100% oxygen initially. Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling. Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise.

Strong acids produce a coagulation necrosis characterised by formation of a coagulum (eschar) as a result of the desiccating action of the acid on proteins in specific tissues.

5. Fire-fighting measures

Suitable Extinguishing Media

Not flammable, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Specific Hazards Arising From The Chemical

Non-flammable material.

Hazchem Code

2X

Decomposition Temperature

Not Available

Other Information

Advice for Firefighters:

Decomposes on heating emitting toxic fumes, including those of oxides of phosphorus. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Keep containers cool with water spray.

6. Accidental release measures

Emergency Procedures

Slippery when spilt. Avoid accidents, clean up immediately. Clear area of all unprotected personnel. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation.

Methods And Materials For Containment And Cleaning Up

Use absorbent (soil, sand or other inert material). Neutralise with lime or soda ash. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

Environmental Precautions

Prevent product from entering waterways and drains.

Other Information

Reference to Other Sections:

See Sections 8 and 13 for exposure controls and disposal.

7. Handling and storage

Precautions for Safe Handling

Avoid skin and eye contact and breathing in vapour, mists and aerosols. Keep out of reach of children.

WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material.

Conditions for safe storage, including any incompatibilities

Container:

Keep in original container.

Storage:

Store in a cool, dry, well ventilated place. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

8. Exposure controls/personal protection

Occupational exposure limit values

Material	TWA	STEL	Peak	
phosphoric acid	mg/m ³		Not available	Not available

Appropriate engineering controls

Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator

Personal Protective Equipment

Eye / Face:

Safety glasses with side shields, chemical goggles.

Hands:

Chemical protective gloves, e.g. PVC.

Body:

Overalls. Safety footwear or safety gumboots, e.g. Rubber

Respiratory:

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.

9. Physical and chemical properties

Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Colour	Clear Red Foamy Liquid	Decomposition Temperature	Not Available
Melting Point	Not Available	Boiling Point	Not Available
Solubility in Water	Miscible	Specific Gravity	1.3
pH	pH (1% solution): Not Available pH (as supplied): 0 - 2	Vapour Pressure	Not Available
Vapour Density (Air=1)	Not Available	Evaporation Rate	Not Available
Viscosity	Not Available	Volatile Component	Not Available
Flash Point	Not Available	Explosion Limit - Upper	Not Available
Explosion Limit - Lower	Not Available	Molecular Weight	Not Available

10. Stability and reactivity

Reactivity

Reacts with strong alkalis.

Chemical Stability

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

Conditions to Avoid

Avoid contact with foodstuffs.

Incompatible materials

Alkalis, oxidising agents, metals.

Hazardous Decomposition Products

Phosphorus oxides.

Possibility of hazardous reactions

Reacts with metals liberating flammable hydrogen gas.

11. Toxicological Information

Toxicology Information

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

Ingestion

Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

Inhalation

- Breathing in mists or aerosols may produce serious respiratory irritation.
- High concentrations cause inflamed airways and watery swelling of the lungs with oedema.

Skin

- Skin contact with the material may damage the health of the individual; systemic effects may result following absorption
- The material can produce chemical burns following direct contact with the skin.
- The material may cause moderate inflammation of the skin either following direct contact or after a delay of some time. Repeated

exposure can cause contact dermatitis which is characterised by redness, swelling and blistering. Entry into the blood-stream, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

Eye

- A severe eye irritant. Corrosive to eyes; contact can cause corneal burns.
- Contamination of eyes can result in permanent injury.
- Vapours or mists may be extremely irritating.

Subchronic/Chronic Toxicity

Toxicity data:

No information available.

Chronic Effects

- Repeated or prolonged exposure to acids may result in the erosion of teeth, swelling and/or ulceration of mouth lining. Irritation of airways to lung, with cough, and inflammation of lung tissue often occurs.
- Chronic exposure may inflame the skin or conjunctiva.
- Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
- Sodium phosphate dibasic can cause stones in the kidney, loss of mineral from the bones and loss of thyroid gland function.

12. Ecological information

Ecotoxicity

Avoid contaminating waterways. May cause long-term adverse effects in the environment.

Persistence and degradability

High.

Mobility

High.

Bioaccumulative Potential

Low

Other Adverse Effects

No further information available.

13. Disposal considerations

Disposal considerations

This material and its container must be disposed of as hazardous waste.

Waste Disposal

Recycle where possible otherwise ensure that:

Licensed contractors dispose of the product and its container.

- Disposal occurs at a licensed facility.

14. Transport information

U.N. Number

1760

UN proper shipping name

CORROSIVE LIQUID, N.O.S.

Transport hazard class(es)

8

Sub.Risk

None

Packing Group

III

Hazchem Code

2X

IERG Number

37

UN Number (Sea Transport)

1760

UN Number (Road Transport)

1760

UN Number (Air Transport, ICAO)

1760

IATA/ICAO Hazard Class

8

IATA/ICAO Packing Group

III

IATA/ICAO Sub Risk

None

LIMITED QUANTITY - Max Net Quantity/Pkge

5L

IMDG UN No

1760

IMDG Hazard Class

8

IMDG Sub. Risk

None

IMDG Pack. Group

III

IMDG Subsidiary Risk

None

IMDG Marine pollutant

No

IMDG EMS

Fire: F-A, Spill: S-B

15. Regulatory information

National and or International Regulatory Information

Phosphoric acid (CAS: 7664-38-2) is found on the following regulatory lists;

"GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "IMO MARPOL 73/78 (Annex II) - List of Noxious Liquid Substances Carried in Bulk", "International Council of Chemical Associations (ICCA) - High Production Volume List", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Scheduled Toxic Substances", "New Zealand Inventory of Chemicals (NZIoC)", "New Zealand Workplace Exposure Standards (WES)", "OECD Representative List of High Production Volume (HPV) Chemicals".

Benzalkonium chloride (CAS: 8001-54-5) is found on the following regulatory lists;

"New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals – Classification Data", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Pesticides", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Timber Preservatives, Antisapstains and Antifouling Paints", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Veterinary Medicines", "New Zealand Inventory of Chemicals (NZIoC)"

Water (CAS: 7732-18-5) is found on the following regulatory lists;

"IMO IBC Code Chapter 18: List of products to which the Code does not apply", "New Zealand Inventory of Chemicals (NZIoC)", "OECD Representative List of High Production Volume (HPV) Chemicals".

Specific advice on controls required for materials used in New Zealand can be found at <http://www.epa.govt.nz/hazardous-substances/approvals/Pages/default.aspx>

HSNO Approval Number

HSR002526 Cleaning Products (Corrosive) Group Standards

16. Other Information

Date of preparation or last revision of SDS

15/10/2020

Technical Contact Numbers

24 Hour Emergency Contact: 0800 CHEMCALL (0800 243 622)

New Zealand Poisons Information Centre: 0800 POISON (0800 764 766)

New Zealand Emergency Services: 111

Other Information

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Integra NZ cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material. If clarification or further information is needed, the user should contact their Integra NZ representative or Integra NZ at the contact details on page 1.

Integra NZ's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

END OF SDS

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