

## Section 1 - Identification of Chemical Product And Company

|                                                                                                                    |                                                          |                                              |
|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| <b>CDK STONE NZ Ltd</b><br><b>2/40 Canaveral Drive</b><br><b>Rosedale</b><br><b>Auckland</b><br><b>NEW ZEALAND</b> | <b>Emergency Phone:</b><br><b>NZ Emergency Services:</b> | <b>0800 764766</b><br><b>111</b>             |
|                                                                                                                    | <b>Phone:</b><br><b>Fax:</b>                             | <b>0800 803 932</b><br><b>+64 9 479 2424</b> |

Substance: Cleaner  
Trade Name: Lithofin KF Active Clean  
Product Use:

## Section 2 - Hazards Identification

### Statement of Hazardous Nature

This product is classified as: HAZARDOUS SUBSTANCE: according to the criteria of HSNO.  
REGULATED under NZS5433:2007 Transport of Dangerous Goods on Land

HSNO Signal Word: DANGER

## Emergency Overview

Physical Description & colour: Light green liquid  
Odour: Perfumed

|                               |                       |             |      |
|-------------------------------|-----------------------|-------------|------|
| <b>Hazard Classification:</b> | Metallic Corrosivity  | Category 1  | 8.1A |
|                               | Acute Oral Toxicity   | Category 4  | 6.1D |
|                               | Acute Dermal Toxicity | Category 5  | 6.1E |
|                               | Skin Effects          | Category 1B | 8.2B |
|                               | Eye Effects           | Category 1  | 8.3A |
|                               | Acute Aquatic Hazard  | Category 2  | 9.1B |
|                               | Vertebrate Hazard     | Category 3  | 9.3C |

Signal Word: DANGER

**Hazard Statements:**

|      |                                                 |
|------|-------------------------------------------------|
| H290 | May be corrosive to metals                      |
| H302 | Harmful if swallowed                            |
| H313 | May be harmful in contact with skin             |
| H314 | Causes severe skin burns and serious eye damage |
| H401 | Toxic to aquatic life                           |
| H433 | Harmful to terrestrial vertebrates              |



## Precautionary Statements

**Prevention**

|      |                                                                              |
|------|------------------------------------------------------------------------------|
| P234 | Keep in original packaging                                                   |
| P260 | Do not breathe mists/ vapours/ sprays                                        |
| P280 | Wear protective gloves/ protective clothing/ eye protection/ face protection |
| P270 | Do not eat, drink or smoke whilst using this product                         |
| P273 | Avoid release to the environment                                             |

## Response

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting  
 P303+361+352 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of water and soap.  
 P332+313 If skin irritation occurs. Get medical attention  
 P363 Wash contaminated clothing before reuse  
 P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing  
 P337+313 If eye irritation persists. Get medical attention  
 P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
 P308+311 If exposed or concerned. Call a POISON CENTRE/ doctor/ physician/ first aider

## Storage

P405 Store locked up

## Disposal

P501 Dispose of content/ container to an authorised hazardous or special waste collection point in accordance with local regulation

## Section 3 - Composition/Information on Ingredients

| Ingredients                                                                | CAS No     | Conc. %   |
|----------------------------------------------------------------------------|------------|-----------|
| Phosphoric acid                                                            | 7664-38-6  | 20 - 30 % |
| Isopropanol                                                                | 67-63-0    | 1 - 10 %  |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -tridecyl- $\omega$ -hydroxy-, branched | 69011-36-5 | 1 - 10 %  |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -isotridecyl- $\omega$ -hydroxy         | 9043-30-5  | 1 - 10 %  |

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

## Section 4 - First Aid Measures

### General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764766 from anywhere in New Zealand (13 1126 in Australia) and is available at all times. Have this SDS or product label with you when you call.

### Eye Contact:

Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

### Skin Contact:

Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor.

### Inhalation:

Remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay. Inhalation of vapours or aerosols (mists, fumes) may cause lung oedema. Corrosive substances may cause lung damage (e.g. lung oedema, fluid in the lungs). As this reaction may be delayed up to 24 hours after exposure, affected individuals need complete rest (preferably in semi-recumbent posture) and must be kept under medical observation even if no symptoms are (yet) manifested. Before any such manifestation, the administration of a spray containing a dexamethasone derivative or beclomethasone derivative may be considered. This must definitely be left to a doctor or person authorised by him/her.

### Ingestion:

For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or

place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness, i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Transport to hospital or doctor without delay. Avoid giving milk or oils. Avoid giving alcohol.

**Note to Physician:** Treat symptomatically

---

## Section 5 - Fire Fighting Measures

---

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Extinguishing Media:</b>        | Preferred extinguishing media are water spray or fog, dry chemical, BCF or foam                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Fire and Explosion Hazards:</b> | WARNING: In use may form flammable/ explosive vapour-air mixtures. Combustible. Slight fire hazard when exposed to heat or flame. Acids may react with metals to produce hydrogen, a highly flammable and explosive gas. Heating may cause expansion or decomposition leading to violent rupture of containers. May emit acrid smoke and corrosive fumes.                                                                                                         |
| <b>Fire Fighting:</b>              | Alert Fire & Emergency New Zealand and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus. Fight fire from a safe distance, with adequate cover. If safe, switch off electrical equipment until vapour fire hazard removed. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Equipment should be thoroughly decontaminated after use |
| <b>Fire Decomposition:</b>         | Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ) Phosphorus Oxides (PO <sub>x</sub> ) and other pyrolysis products typical of burning organic material.                                                                                                                                                                                                                                                                                                    |

---

## Section 6 - Accidental Release Measures

---

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minor Spills:</b> | Environmental hazard - contain spillage. Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material Check regularly for spills and leaks. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal.                                                                                                             |
| <b>Major Spills:</b> | Environmental Hazard – contain spillage. Clear area of personnel. Alert Fire & Emergency New Zealand and tell them location and nature of hazard. Control personal contact with the substance, by using protective equipment as required. Prevent spillage from entering drains or water ways. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal. Wash area and prevent runoff into drains or waterways. If contamination of drains or waterways occurs, advise emergency services. |

---

## Section 7 - Handling and Storage

---

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. WARNING: To avoid violent reaction, ALWAYS add material to water and NEVER water to material. Avoid smoking, naked lights or ignition sources. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Launder contaminated clothing before re-use. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained. |
| <b>Storage:</b>  | Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Industrial Clothing: **AS2919**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

### Exposure limits

| CAS no.   | Substance or ingredient | WES-TWA               |         | WES-STEL               |         |
|-----------|-------------------------|-----------------------|---------|------------------------|---------|
| 7664-38-2 | Phosphoric acid         | 1 mg/m <sup>3</sup>   |         |                        |         |
| 67-63-0   | Isopropanol             | 983 mg/m <sup>3</sup> | 400 ppm | 1230 mg/m <sup>3</sup> | 500 ppm |

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5-day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

### Engineering Controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure. For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh

### Personal Protective Equipment

#### Eye Protection:



Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly

#### Skin Protection:



Wear elbow length chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber Overalls. PVC Apron. PVC protective suit may be required if exposure severe.

#### Protective Material Types:

We suggest that protective clothing be made from the following materials:

Neoprene

Nitrile

#### Respirator:



Type AB-P Filter of sufficient capacity

## Section 9 - Physical and Chemical Properties:

|                                           |                    |
|-------------------------------------------|--------------------|
| <b>Physical Description &amp; colour:</b> | Light green liquid |
| <b>Odour:</b>                             | Perfumed           |
| <b>pH:</b>                                | no data            |
| <b>Vapour Pressure:</b>                   | 300 kPa            |
| <b>Relative Vapour Density:</b>           | not available      |
| <b>Viscosity</b>                          | not available      |
| <b>Boiling Point:</b>                     | 96 °C              |
| <b>Volatiles:</b>                         | no data %          |
| <b>Water Solubility:</b>                  | miscible           |
| <b>Freezing/Melting Point:</b>            | -5 °C              |
| <b>Specific Gravity:</b>                  | 1.3 g/ml           |
| <b>Flashpoint</b>                         | no data °C         |
| <b>Auto ignition temp:</b>                | no data °C         |
| <b>Evaporation Rate:</b>                  | not available      |
| <b>Coeff Octanol/water distribution</b>   | no data            |

## Section 10 - Stability and Reactivity

|                             |                                                                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>            | Product is considered stable                                                                                                                                                                                                                               |
| <b>Conditions to Avoid:</b> | Avoid contact with ignition sources                                                                                                                                                                                                                        |
| <b>Incompatibilities:</b>   | Segregate from alkalis, oxidising agents and chemicals readily decomposed by acids i.e. cyanides, sulfides, carbonates. Avoid reaction with oxidizing agents, i.e. nitrates, oxidizing acids, chlorine bleaches, pool chlorine etc. as ignition may result |
| <b>Polymerisation:</b>      | This product will not undergo polymerisation reactions.                                                                                                                                                                                                    |

## Section 11 - Toxicological Information

### Inhaled:

The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. Corrosive acids can cause irritation of the respiratory tract, with coughing, choking and mucous membrane damage. There may be dizziness, headache, nausea and weakness. Aliphatic alcohols with more than 3-carbons cause headache, dizziness, drowsiness, muscle weakness and delirium, central depression, coma, seizures and behavioural changes. Secondary respiratory depression and failure, as well as low blood pressure and irregular heart rhythms, may follow. Inhalation of the vapour may cause choking, coughing, headache, weakness and dizziness, and with long term exposure, fluid accumulation in the lungs and blueness, initially in the fingertips. The odour of isopropanol may give some warning of exposure, but odour fatigue may occur. Inhalation of isopropanol may produce irritation of the nose and throat with sneezing, sore throat and runny nose. High concentrations cause inflamed airways and watery swelling of the lungs with oedema.

### Ingestion

Accidental ingestion of the material may be harmful; animal experiments indicate that ingestion of less than 150 gram may be fatal or may produce serious damage to the health of the individual. Ingestion of acidic corrosives may produce burns around and in the mouth, the throat and oesophagus. Immediate pain and difficulties in swallowing and speaking may also be evident.

### Skin Contact

Skin contact with acidic corrosives may result in pain and burns; these may be deep with distinct edges and may heal slowly with the formation of scar tissue. Skin contact with the material may damage the health of the individual; systemic effects may result following absorption. Most liquid alcohols appear to act as primary skin irritants in humans. Significant percutaneous absorption occurs in rabbits but not apparently in man. Open cuts abraded or irritated skin should not be exposed to this material. Entry into the bloodstream, through 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 Contact

Direct eye contact with acid corrosives may produce pain, tears, sensitivity to light and burns. Mild burns of the epithelia generally recover rapidly and completely. If applied to the eyes, this material causes severe eye damage.

## Chronic Health 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. Long-term exposure to respiratory irritants may result in airways disease, involving difficulty breathing and related whole-body problems. Ample evidence from experiments exists that there is a suspicion this material directly reduces fertility. Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. Long term, or repeated exposure of isopropanol may cause incoordination and tiredness. Repeated inhalation exposure to isopropanol may produce sleepiness, incoordination and liver degeneration. Animal data show developmental effects only at exposure levels that produce toxic effects in adult animals. Isopropanol does not cause genetic damage. There are inconclusive reports of human sensitisation from skin contacts with isopropanol. Chronic alcoholics are more tolerant of the whole-body effects of isopropanol. Animal testing showed the chronic exposure did not produce reproductive effects.

## TOXICITY AND IRRITATION

| Ingredient                       | Oral LD <sub>50</sub> | Dermal LD <sub>50</sub> | Inhalation LC <sub>50</sub> |
|----------------------------------|-----------------------|-------------------------|-----------------------------|
| Phosphoric acid                  | 1250 mg/kg            | >1260 mg/kg             | 0.0255 mg/L/4h              |
| Isopropanol                      | 4396 mg/kg            | 12800 mg/kg             | 72.6 mg/l/4h                |
| Tridecanol, branched ethoxylate  | 1080 mg/kg            |                         |                             |
| Isotridecyl alcohol, ethoxylated |                       |                         |                             |

## Section 12 - Ecological Information

Harmful to aquatic organisms

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

Avoid release to the environment.

| Ingredient                       | Fish                                                                 | Crustacea                                                           | Algae                                                                                                 |
|----------------------------------|----------------------------------------------------------------------|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Phosphoric acid                  | LC <sub>50 96hr</sub> 75.1 mg/L                                      | EC <sub>50 48hr</sub> >5.62 mg/L                                    | EC <sub>50 96hr</sub> 15.29 mg/L<br>EC <sub>10 72hr</sub> 37.7 mg/L<br>NOEC <sub>72hr</sub> 3.71 mg/L |
| Isopropanol                      | LC <sub>50 96hr</sub> 9-640 mg/L<br>NOEC <sub>5760hr</sub> 0.02 mg/L | EC <sub>50 48hr</sub> 12500 mg/L<br>EC <sub>0 24hr</sub> 5-102 mg/L | EC <sub>50 96hr</sub> 933.232 mg/L                                                                    |
| Tridecanol branched, ethoxylated | LC <sub>50 96hr</sub> 2.5 mg/L                                       | EC <sub>50 48hr</sub> 1.5 mg/L                                      | EC <sub>50 72hr</sub> 2.3 mg/L                                                                        |

|                 | Persistence<br>H <sub>2</sub> O/ Soil | Persistence<br>Air | Bioaccumulation | Mobility |
|-----------------|---------------------------------------|--------------------|-----------------|----------|
| Phosphoric acid | HIGH                                  | HIGH               | LOW             | HIGH     |
| Isopropanil     | LOW                                   | LOW                | LOW             | HIGH     |

## Section 13 - Disposal Considerations

Containers may still present a chemical hazard/ danger when empty. Return to supplier for reuse/ recycling if possible. Otherwise: If container cannot be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and observe all notices pertaining to the product.

DO NOT allow wash water from cleaning or process equipment to enter drains. It may be necessary to collect all wash water for treatment before disposal. In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. Where in doubt contact the responsible authority. Recycle wherever possible or consult manufacturer for recycling options. Consult Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Packages that have been in direct contact with the hazardous substance must be only disposed if the hazardous substance was appropriately removed and cleaned out from the package. The package must be disposed according to the manufacturer's directions taking into account the material it is made of. Packages which hazardous content have been appropriately treated and removed may be recycled. The hazardous substance must only be disposed if it has been treated by a method that changed the characteristics or composition of the substance and it is no longer hazardous. Only dispose to the environment if a tolerable exposure limit has been set for the substance. Only deposit the hazardous substance into or onto a landfill or sewage facility or incinerator, where the hazardous substance can be handled and treated appropriately.

## Section 14 - Transport Information



|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| HAZCHEM                    | 2X                                                                     |
| <u>Land Transport UNDG</u> |                                                                        |
| Class or division          | 8                                                                      |
| Subsidiary Risk            | None                                                                   |
| UN Number                  | <b>3264</b>                                                            |
| UN Packing Group           | II                                                                     |
| Special Provisions         | 274                                                                    |
| Limited Quantity           | 1 Lt                                                                   |
| Shipping Name              | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains phosphoric acid) |

|                                    |                                                                        |
|------------------------------------|------------------------------------------------------------------------|
| <u>Air Transport IATA</u>          |                                                                        |
| ICAO/IATA Class                    | 8                                                                      |
| ICAO/IATA Subrisk                  | None                                                                   |
| UN/ID Number                       | <b>3264</b>                                                            |
| ERG Code                           | 8L                                                                     |
| Packing Group                      | II                                                                     |
| Special provision                  | A3 A803                                                                |
| Cargo only                         |                                                                        |
| Packing instructions               | 855                                                                    |
| Maximum Qty/pack                   | 30 Lt                                                                  |
| Passenger and Cargo                |                                                                        |
| Packing instructions               | 851                                                                    |
| Maximum Qty/pack                   | 1 Lt                                                                   |
| Passenger & Cargo Limited Quantity |                                                                        |
| Packing instructions               | Y840                                                                   |
| Maximum Qty/pack                   | 500 ml                                                                 |
| Shipping Name                      | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains phosphoric acid) |

|                              |                                                                        |
|------------------------------|------------------------------------------------------------------------|
| <u>Marine Transport IMDG</u> |                                                                        |
| IMDG Class                   | 8                                                                      |
| IMDG Subrisk                 | None                                                                   |
| UN Number                    | <b>3264</b>                                                            |
| UN Packing Group             | II                                                                     |
| EmS Number                   | F-A S-B                                                                |
| Special provisions           | 274                                                                    |
| Limited quantities           | 1 Lt                                                                   |
| Marine pollutant             | Yes                                                                    |
| Shipping Name                | CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (contains phosphoric acid) |

## Section 15 - Regulatory Information

HSNO Approval:                      **HSR002658**                      **Surface Coatings & Colourants (Corrosive)**



**Group Standard conditions and other regulations:**

| Condition                          | Requirement                                                                               |
|------------------------------------|-------------------------------------------------------------------------------------------|
| SDS                                | Safety data sheet must be available to a person handling the substance within 10 minutes. |
| Emergency plan                     | Required when quantities exceed 500 Lt                                                    |
| Certified handler                  | Not required                                                                              |
| Tracking                           | Not applicable                                                                            |
| Bundling and secondary containment | Required dependent on pack size and total volume                                          |
| Signage                            | Required when present in quantities exceeding 500 Lt                                      |
| Location Compliance Certificate    | Required when quantities exceed 250Lt                                                     |
| Hazardous Area                     | Not required                                                                              |
| Fire extinguisher                  | Not required                                                                              |

**National Inventories**

|             |                  |   |
|-------------|------------------|---|
| Australia   | AICS             | Y |
| Canada      | DSL              | Y |
| Canada      | NDSL             | Y |
| China       | IECSC            | N |
| Europe      | EINEC/ELINCS/NLP | Y |
| Japan       | ENCS             | N |
| Korea       | KECI             | Y |
| New Zealand | NZIOC            | Y |
| Philippines | PICCS            | Y |
| USA         | TSCA             | Y |
| Taiwan      | TCSI             | Y |
| Mexico      | INSQ             | N |
| Vietnam     | NCI              | Y |
| Russia      | ARIPS            | Y |

## Section 16 - Other Information

**Revision History**

August 2020

Initial Preparation

**Acronyms:**

|                                   |                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <b>CAS number</b>                 | Chemical Abstracts Service Registry Number                                                                           |
| <b>Hazchem Code</b>               | Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters |
| <b>HSNO</b>                       | Hazardous Substances & New Organisms Act                                                                             |
| <b>IARC</b>                       | International Agency for Research on Cancer                                                                          |
| <b>ICAO Technical Instruction</b> | International Civil Aviation Organization Technical Instructions                                                     |
| <b>IMDG Code</b>                  | International Maritime Dangerous Goods Code controlled by the International Maritime Organisation (IMO)              |
| <b>LC<sub>50</sub></b>            | Lethal concentration 50% - concentration fatal to 50% of a population                                                |
| <b>LD<sub>50</sub></b>            | Lethal dose 50% - concentration fatal to 50% of a population                                                         |
| <b>NZS 5433</b>                   | New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)                                    |
| <b>SDS</b>                        | Safety Datasheet                                                                                                     |
| <b>STEL</b>                       | Short Term Exposure Limit                                                                                            |
| <b>TWA</b>                        | Time Weighted Average (typically measured as 8-hours)                                                                |





# Safety Data Sheet

Page 9 of 9

UN Number  
WES

United Nations Number  
Workplace Exposure standard

## References

Chemical properties and HSNO classifications derived from the New Zealand chemical classification information database (CCID).

[www.epa.govt.nz](http://www.epa.govt.nz)

Workplace exposure limits derived from Workplace Exposure Standards and Biological Exposure Indices 11th Edition (November 2019).

*The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other material or in any process, unless specified in the text.*

This SDS was prepared by Collievale Enterprises Ltd in accord with the Hazardous Substances (Safety Data Sheets) Notice 2017  
<http://www.collievale.com> Phone +64 7 5432428

End of SDS