

# SAFETY DATA SHEET

## CASCADE OVEN & GRILL CLEANER

Infosafe No.: MU3K7  
ISSUED Date : 27/06/2018  
ISSUED by: INTEGRA INDUSTRIES LTD

CLASSIFIED AS HAZARDOUS

### 1. IDENTIFICATION

**GHS Product Identifier**

CASCADE OVEN & GRILL CLEANER

**Product Code**

2034140

**Company Name**

INTEGRA INDUSTRIES LTD

**Address**

23 Grosvenor Street Kensington  
Dunedin 9011 NEW ZEALAND

**Telephone/Fax Number**

Tel: +64 3 4556805

**Emergency phone number**

0800 764 766

**E-mail Address**

info@integraindustries.co.nz

**Recommended use of the chemical and restrictions on use**

Grill and oven, smokehouse, and other heavy duty cleaning

### 2. HAZARD IDENTIFICATION

**GHS classification of the substance/mixture**

Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.  
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

8.1A Substance that is corrosive to metals

8.2B Substance that is corrosive to dermal tissue

8.3A Substance that is corrosive to ocular tissue

**Signal Word (s)**

DANGER

**Hazard Statement (s)**

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

**Pictogram (s)**

Corrosion



#### 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.  
P273 Avoid release to the environment.

#### Precautionary statement – Response

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.  
P363 Wash contaminated clothing before reuse.  
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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Name	CAS	Proportion
Sodium hydroxide	1310-73-2	20-40%
Non-ionic Surfactants	-	Not Specified
Chelating Agents	-	Not Specified
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

- If fumes or combustion products are inhaled 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.
- 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.

#### 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.

#### **Skin**

If skin or hair contact occurs:

- 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.

#### **Eye contact**

If this product comes in contact with the eyes:

- 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.

#### **Advice to Doctor**

Treat symptomatically.

For acute or short-term repeated exposures to highly alkaline materials:

- Respiratory stress is uncommon but present occasionally because of soft tissue edema.
- Unless endotracheal intubation can be accomplished under direct vision, cricothyroidotomy or tracheotomy may be necessary.
- Oxygen is given as indicated.
- The presence of shock suggests perforation and mandates an intravenous line and fluid administration.

## **5. FIRE-FIGHTING MEASURES**

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#### **Suitable Extinguishing Media**

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).

#### **Specific Hazards Arising From The Chemical**

- Non combustible.
- Not considered a significant fire risk, however containers may burn.
- May emit corrosive fumes.

#### **Hazchem Code**

2X

#### **Decomposition Temperature**

Not Available

## **6. ACCIDENTAL RELEASE MEASURES**

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#### **Spills & Disposal**

- 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 by using protective equipment.
- Contain and absorb spill with sand, earth, inert material or vermiculite.

## 7. HANDLING AND STORAGE

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### Precautions for Safe Handling

- DO NOT allow clothing wet with material to stay in contact with skin.
- 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.

### Storage Regulations

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- DO NOT store near acids, or oxidising agents.
- No smoking, naked lights, heat or ignition sources.

### Recommended Materials

- Lined metal can, lined metal pail/ can.
- Plastic pail.
- Polyliner drum.
- Packing as recommended by manufacturer. For low viscosity materials
- Drums and jerricans must be of the non-removable head type.
- Where a can is to be used as an inner package, the can must have a screwed enclosure.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Occupational exposure limit values

Source: New Zealand Workplace Exposure Standards (WES)

Material	Peak
Sodium Hydroxide	2 mg/m <sup>3</sup>

The following materials had no OELs on our records

- water: CAS:7732- 18- 5

### Appropriate Engineering Controls

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

### Personal Protective Equipment

#### RESPIRATOR

Type AK-P Filter of sufficient capacity

#### EYE

- Safety glasses with unperforated side shields may be used where continuous eye protection is desirable, as in laboratories; spectacles are not sufficient where complete eye protection is needed such as when handling bulk-quantities, where there is a danger of splashing, or if the material may be under pressure
- Chemical goggles whenever there is a danger of the material coming in contact with the eyes; goggles must be properly fitted
- Full face shield (20 cm, 8 in minimum) may be required for supplementary but never for primary protection of eyes; these afford face protection.
- Alternatively a gas mask may replace splash goggles and face shields.

#### HANDS/FEET

- Elbow length PVC gloves.
  - When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots.
- Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: such as:
- frequency and duration of contact,
  - chemical resistance of glove material,
  - glove thickness and
  - dexterity.

#### OTHER

- Overalls.
- PVC Apron.
- PVC protective suit may be required if exposure severe.
- Eyewash unit.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Clear, brown, viscous liquid; mixes with water.
Colour	Brown	Physical and chemical properties	Mixes with water. Corrosive. Alkaline.
Decomposition Temperature	Not Available	Melting Point	Not Available
Boiling Point	Not Available	Solubility in Water	Miscible
Specific Gravity	1.23 approx	pH	pH (1% solution): Not Available pH (as supplied): 13
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
Molecular Weight	Not Applicable		

### 10. STABILITY AND REACTIVITY

#### Chemical Stability

- Product is considered stable.

#### Incompatible materials

For incompatible materials - refer to Section 7 - Handling and Storage.

#### Possibility of hazardous reactions

- Hazardous polymerisation will not occur.

#### Other Information

##### CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.

### 11. TOXICOLOGICAL INFORMATION

#### Ingestion

- The material can produce severe chemical burns within the oral cavity and gastrointestinal tract following ingestion.
- The material can produce severe chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating

#### Eye

- When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation.
- Direct contact with alkaline corrosives may produce pain and burns. Oedema, destruction of the epithelium, corneal opacification and iritis may occur.

#### Chronic Effects

Repeated or prolonged exposure to corrosives may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis

(rarely) of the jaw. Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue.

Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic

problems.

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

#### Other Information

##### TOXICITY AND IRRITATION

Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound.

The material may produce severe irritation to the eye causing pronounced inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

The material may produce severe skin irritation after prolonged or repeated exposure, and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) thickening of the epidermis.

## 12. ECOLOGICAL INFORMATION

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#### Ecological information

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

#### Ecotoxicity

Ingredient	Persistence:Water/Soil		Persistence: Air	Bioaccumulation	Mobility
Sodium hydroxide	LOW	-	LOW	HIGH	
Water	LOW	-	LOW	HIGH	

## 13. DISPOSAL CONSIDERATIONS

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#### Waste Disposal

- Recycle where possible
- Otherwise ensure that:
- licenced contractors dispose of the product and its container.
  - disposal occurs at a licenced facility.

## 14. TRANSPORT INFORMATION

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#### U.N. Number

1760

#### UN proper shipping name

CORROSIVE LIQUID, N.O.S.

#### Transport hazard class(es)

8

#### Sub.Risk

None

#### Packing Group

II

#### 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**

II

**IATA/ICAO Sub Risk**

None

**LIMITED QUANTITY - Max Net Quantity/Pkge**

1 L

**IMDG UN No**

1760

**IMDG Hazard Class**

8

**IMDG Pack. Group**

II

**IMDG Subsidiary Risk**

None

**IMDG EMS**

F- A , S- B

## 15. REGULATORY INFORMATION

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**Regulatory information**

This substance should be managed in accordance with the requirements specified in the Cleaning Products (Corrosive) Group Standard 2006, HSNO Approval Number HSR002526.

**National and or International Regulatory Information**

Sodium hydroxide (CAS: 1310-73-2) is found on the following regulatory lists;

"CODEX General Standard for Food Additives (GSFA) - Additives Permitted for Use in Food in General, Unless Otherwise Specified, in Accordance with GMP", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "IMO IBC Code Chapter 17: Summary of minimum requirements", "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"

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"

No data for Cascade Oven & Grill Cleaner

**HSNO Approval Number**

HSR002526.

**Other Information**

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>.

## 16. OTHER INFORMATION

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**Date of preparation or last revision of SDS**

05/05/2017

**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 INDUSTRIES LTD 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 INDUSTRIES representative or INTEGRA INDUSTRIES LTD at the contact details on page 1.

INTEGRA INDUSTRIES LTD'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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