



SAFETY DATA SHEET

CASCADE KILDET

ISSUED Date : 23/05/2021
ISSUED by: INTEGRA

CLASSIFIED AS HAZARDOUS

1. IDENTIFICATION

GHS Product Identifier

KILDET

Product Code

C2055190L05

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

As a no rinse sanitiser in food processing areas. No rinse sanitising: 1 part in 440 parts of water.

Sanitising followed by potable water rinse: 1 part in 50-100 parts of water.

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.

Not classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

6.1D (Oral) - Substance that is acutely toxic

6.3A Substance that is irritating to the skin

6.5A Substance that is a respiratory sensitiser

6.5B Substance that is a contact sensitiser

8.3A Substance that is corrosive to ocular tissue

9.1B Substance that is ecotoxic in the aquatic environment

Signal Word (s)

DANGER

Hazard Statement (s)

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H401 Toxic to aquatic life.

Pictogram (s)

Corrosion, Health hazard



Precautionary statement – Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

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

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

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

P285 In case of inadequate ventilation wear respiratory protection.

Precautionary statement – Response

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P304+P341 IF INHALED: If breathing is difficult, 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.

P330 Rinse mouth.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

P363 Wash contaminated clothing before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Benzyl- C12- 18- alkyldimethyl ammonium chloride	68391-01- 5	1- 10%
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.
- Other measures are usually unnecessary.

Ingestion

- IF SWALLOWED, REFER FOR MEDICAL ATTENTION, WHERE POSSIBLE, WITHOUT DELAY.

- For advice, contact a Poisons Information Centre or a doctor.
- Urgent hospital treatment is likely to be needed.
- In the mean time, qualified first-aid personnel should treat the patient following observation and employing supportive measures as indicated by the patient's condition.

Skin

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.

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 exposures to quaternary ammonium compounds;

- For ingestion of concentrated solutions (10% or higher): Swallow promptly a large quantity of milk, egg whites / gelatin solution. If not readily available, a slurry of activated charcoal may be useful. Avoid alcohol. Because of probable mucosal damage omit gastric lavage and emetic drugs.
- For dilute solutions (2% or less): If little or no emesis appears spontaneously, administer syrup of Ipecac or perform gastric lavage.
- If hypotension becomes severe, institute measures against circulatory shock.
- If respiration laboured, administer oxygen and support breathing mechanically. Oropharyngeal airway may be inserted in absence of gag reflex.

Epiglottic or laryngeal edema may necessitate a tracheotomy.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.

Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.

In such an event consider:

- foam.

Hazchem Code

None Allocated

Decomposition Temperature

Not Available

Other Information

FIRE INCOMPATIBILITY

None known.

PERSONAL PROTECTION

Glasses: Chemical goggles.

Gloves: 1.NEOPRENE 2.VITON 3.BUTYL

Respirator: Type A Filter of sufficient capacity

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

- 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.

Personal Protection

Personal Protective Equipment advice is contained in Section 8 of the MSDS.

7. HANDLING AND STORAGE

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.
- Prevent concentration in hollows and sumps.

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

Recommended Materials

SUITABLE CONTAINER

- Lined metal can, lined metal pail/ can.
- Plastic pail.
- Polyliner drum.
- Packing as recommended by manufacturer

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

The following materials had no OELs on our records

- benzyl- C12- 18- alkyldimethylammonium CAS:68391- 01- 5 CAS:53516- 76- 0 CAS:73049- chloride: 75- 9
- water: CAS:7732- 18- 5

Appropriate Engineering Controls

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in specific circumstances.

Personal Protective Equipment

RESPIRATOR

Type A Filter of sufficient capacity

EYE

- 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 lens 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. [CDC NIOSH Current Intelligence Bulletin 59].

HANDS/FEET

- Wear chemical protective gloves, eg. PVC.
- Wear safety footwear or safety gumboots, eg. Rubber. NOTE:
- The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. 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.
- P.V.C. apron.
- Barrier cream.

- Skin cleansing cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Clear mobile, slightly frothing liquid with no odour; mixes with water.

Odour

Odourless

Decomposition Temperature

Not Available

Melting Point

Not Available

Boiling Point

100°C

Solubility in Water

Miscible

Specific Gravity

1.0

pH

pH (1% solution): Not Available

pH (as supplied): 7.0

Vapour Pressure

Not Available

Vapour Density (Air=1)

Not Available

Evaporation Rate

Not Available

Volatile Component

Not Available

Flash Point

Not Applicable

Auto-Ignition Temperature

Not Applicable

Explosion Limit - Upper

Not Applicable

Explosion Limit - Lower

Not Applicable

10. STABILITY AND REACTIVITY

Chemical Stability

- Product is considered stable.

Incompatible materials

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

Hazardous Polymerization

- Hazardous polymerisation will not occur.

Other Information

CONDITIONS CONTRIBUTING TO INSTABILITY

- Presence of incompatible materials.

11. TOXICOLOGICAL INFORMATION

Inhalation

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using

animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.

Skin

Skin contact is not thought to have harmful health effects (as classified under EC Directives); the material may still produce health damage following entry through wounds, lesions or abrasions

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.

Chronic Effects

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

Limited evidence shows that inhalation of the material is capable of inducing a sensitisation reaction in a significant number of individuals at a

greater frequency than would be expected from the response of a normal population.

Pulmonary sensitisation, resulting in hyperactive airway dysfunction and pulmonary allergy may be accompanied by fatigue, malaise and aching. There exists limited evidence that shows that skin contact with the material is capable either of inducing a sensitisation reaction in a significant number of individuals, and/or of producing positive response in experimental animals.

12. ECOLOGICAL INFORMATION

Ecological information

Toxic to aquatic organisms.

Ecotoxicity

Ingredient Persistence:Water/Soil Persistence: Air Bioaccumulation Mobility

Water LOW - LOW HIGH

13. DISPOSAL CONSIDERATIONS

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

Transport Information

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

Sub.Risk

None Allocated

Packing Group

None Allocated

Hazchem Code

None Allocated

UN Number (Sea Transport)

None Allocated

UN Number (Road Transport)

None Allocated

UN Number (Air Transport, ICAO)

None Allocated

IATA/ICAO Hazard Class

None Allocated

IATA/ICAO Packing Group

None Allocated

IATA/ICAO Sub Risk

None Allocated

IMDG UN No

None Allocated

IMDG Hazard Class

None Allocated

IMDG Pack. Group

None Allocated

IMDG Subsidiary Risk

None Allocated

15. REGULATORY INFORMATION

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

Benzyl-C12-18-alkyldimethylammonium chloride (CAS: 68391-01-5,53516-76-0,73049-75-9) is found on the following regulatory lists (HSR005672);

"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 Kildet.

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

Date of preparation or last revision of SDS

01/05/2021

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 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 representative or Integra at the contact details on page 1.

Integra 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