

SAFETY DATA SHEET

HYPOFOAM

Infosafe No.: MU3J3
ISSUED Date : 05/10/2016
ISSUED by: INTEGRA INDUSTRIES LTD

1. IDENTIFICATION

GHS Product Identifier

HYPOFOAM

Product Code

2052100, 2052090, 7108350, 2051960, 2051010, 7107120

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

Heavy duty alkaline chlorinated foam cleaner. Manual Cleaning: Use 50 ml per Litre of water. Foam Cleaning: Meter through Venturi / Foam Unit at 20 to 100:1 with 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.
Classified as Dangerous Goods for transport according to the New Zealand Standard NZS 5433:2012 Transport of Dangerous Goods on Land.

- 6.5B Substance that is a contact sensitiser
- 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
- 9.1C Substance that is harmful in the aquatic environment

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.
- H411 Toxic to aquatic life with long lasting effects.
- 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, Health hazard, Environment



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.

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

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.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

P390 Absorb spillage to prevent material damage.

P391 Collect spillage.

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
Potassium hydroxide	1310-58-3	5 – 10%
Sodium Hypochlorite	7681-52-9	5 – 10%
Non-hazardous surfactants mixture	-	1 – 10%
Ingredients determined not to be hazardous	-	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 inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Ingestion

For advice, contact the National Poisons Centre at 0800 764 766 (0800 POISON) or +64 3 479 7248 or a doctor (at once). If swallowed, do not induce vomiting.

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.

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:
- See section 11 for more detailed information on health effects and symptoms.

2. Immediate Medical Attention and Special Treatment Needed:
- Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Specific Hazards Arising From The Chemical

Non-flammable. May evolve toxic gases (chlorine) when heated to decomposition.

Hazchem Code

2R

Decomposition Temperature

Not Available

Other Information

Advice for Firefighters:

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

Methods And Materials For Containment And Cleaning Up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.

Environmental Precautions

Prevent product from entering drains and waterways.

Other Information

Reference to Other Sections:

See Sections 8 and 13 for exposure controls and disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation.

Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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

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

Conditions for safe storage, including any incompatibilities

Container:

- Store in original container.
- Ensure containers are adequately labelled, protected from physical damage, sealed when not in use, vented and stored upright.
- Check regularly for leaks or spills.

Storage:

- Store in a cool, dry, well ventilated area, removed from incompatible substances, heat or ignition sources and foodstuffs.
- Large storage areas should have appropriate ventilation systems.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Material	TWA	STEL	Peak
potassium hydroxide	-	-	2 mg/m ³
sodium hypochlorite	0.5ppm, 1.5mg/m ³		1ppm, 2.9 mg/m ³

Appropriate Engineering Controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

Personal Protective Equipment

Eye / Face:

Wear splash-proof goggles.

Hands:

Wear PVC or rubber gloves.

Body:

Wear coveralls.

When using large quantities or where heavy contamination is likely, wear rubber boots and a PVC apron.

Respiratory:

Where an inhalation risk exists, wear a Full-face Type B (Inorganic and Acid gas) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Description	Properties	Description
Form	Liquid	Appearance	Liquid
Colour	Clear pale straw coloured	Odour	Chlorine odour
Decomposition Temperature	Not Available	Melting Point	Not Available
Boiling Point	Not Available	Solubility in Water	Miscible
Specific Gravity	1.15	pH	pH (1% solution): >13 pH (as supplied): Not Available
Vapour Pressure	Not Available	Vapour Density (Air=1)	Not Available
Evaporation Rate	Not Available	Viscosity	Not Available
Volatile Component	Not Available	Flash Point	Not Applicable
Explosion Limit - Upper	Not Applicable	Explosion Limit - Lower	Not Applicable
Molecular Weight	Not Applicable		

10. STABILITY AND REACTIVITY

Reactivity

Carefully review all information provided in sections 10.2 to 10.6.

Chemical Stability

Stable under recommended conditions of storage.

Conditions to Avoid

Non-flammable.

Incompatible materials

Incompatible with reducing agents (e.g. sulphites), acids, organic materials, some metals. Do not mix with any other chemicals.

Hazardous Decomposition Products

May evolve oxides of chlorine when heated to decomposition.

Possibility of hazardous reactions

Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information

This product has the potential to cause serious adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure to chlorine vapour may result in lung tissue damage. Do not mix with other chemicals unless advised and specific instructions provided, as toxic and irritating gases may be evolved. Upon dilution, the adverse health effects associated with this product are reduced.

Ingestion

Ingestion may result in burns to the mouth and throat, nausea, vomiting, ulceration of the gastrointestinal tract, oedema, rapid pulse, shock, unconsciousness, convulsions and death.

Inhalation

- Over exposure may result in mucous membrane irritation of the respiratory tract, coughing and possible burns.
- High level exposure may result in ulceration of the respiratory tract, breathing difficulties, chemical pneumonitis and pulmonary oedema.

Skin

Contact may result in irritation, redness, pain, rash, dermatitis, ulceration and burns.

Eye

Contact may result in irritation, lacrimation, pain, redness and corneal burns with possible permanent eye damage

Subchronic/Chronic Toxicity

Toxicity data:

Not available. Refer to individual constituents.

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.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Hypochlorites are extremely toxic to fish.

Persistence and degradability

Hypochlorites are non-persistent in the environment as they gradually decompose into a salt and oxygen.

Mobility

May leach to groundwater with resultant toxicity to aquatic organisms

Bioaccumulative Potential

There is no accumulation potential.

Other Adverse Effects

No information provided.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

- For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site.
- Contact the manufacturer/supplier for additional information if disposing of large quantities (if required).
- Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Local Legislation

Recycle where possible otherwise ensure that:

- Licenced contractors dispose of the product and its container.
- Disposal occurs at a licenced facility.

14. TRANSPORT INFORMATION

U.N. Number

1719

UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S.

Transport hazard class(es)

8

Sub.Risk

None

Packing Group

II

Hazchem Code

2R

IERG Number

37

UN Number (Sea Transport)

1719

UN Number (Road Transport)

1719

UN Number (Air Transport, ICAO)

1719

IATA/ICAO Hazard Class

8

IATA/ICAO Packing Group

II

IATA/ICAO Sub Risk

None

LIMITED QUANTITY - Max Net Quantity/Pkge

1L

IMDG UN No

1719

IMDG Hazard Class

8

IMDG Sub. Risk

None

IMDG Pack. Group

II

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

Potassium hydroxide (CAS: 1310-58-3) 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"

Sodium hypochlorite (CAS: 7681-52-9) is found on the following regulatory lists;

"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 - 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 Inventory of Chemicals (NZIoC)", "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".

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

HSR002527

This substance should be managed in accordance with the requirements specified in the Cleaning Products (Corrosive, Combustible) Group Standard 2006

16. OTHER INFORMATION

Date of preparation or last revision of SDS

05/10/2016

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

END OF SDS

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