



# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 12.01.2015

Revision: 12.01.2015

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** HYPERFOAM

**Other Name:** Sodium hydroxide/potassium hydroxide solution containing sodium hypochlorite.

**Recommended Use of the Chemical and Restriction on Use:**

A heavy duty foaming sanitiser for cleaning external surfaces in the food industry.

**Details of Manufacturer or Importer:**

Dasco Pty Ltd  
24 - 26 Helen Street  
Heidelberg Heights VIC 3081

**Phone Number:** 03 9459 7004

**Emergency telephone number:** National Poison Information Centre: 13 11 26

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



corrosion

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

**Signal Word** Danger

**Hazard Statements**

H314 Causes severe skin burns and eye damage.

**Precautionary Statements**




- P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P264 Wash hands thoroughly after handling.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P321 Specific treatment (see on this label).  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P363 Wash contaminated clothing before reuse.  
 P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
 P310 Immediately call a POISON CENTER/doctor.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with local/regional/national regulations.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**

**Description:** Mixture of substances listed below with nonhazardous additions.

**Hazardous Components:**

1310-73-2	Sodium hydroxide (Na(OH))	10-30%
	 Skin Corr. 1A, H314	
7681-52-9	sodium hypochlorite, solution	<5%
	 Skin Corr. 1B, H314;  Aquatic Acute 1, H400	

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1310-58-3	Potassium hydroxide ⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	<5%
1643-20-5	dodecyldimethylamine oxide ⚠ Acute Tox. 3, H301; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319	<5%
127087-87-0	Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-branched ⚠ Eye Dam. 1, H318	<5%

## 4 . FIRST AID MEASURES

### Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

### Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention.

### Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

### Ingestion:

If swallowed, do not induce vomiting. Rinse mouth with water. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### Specific Hazards Arising from the Chemical:

Hazardous decomposition products include oxides of sodium, chlorine and hydrogen chloride.

### Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

## 6 . ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved respiratory protection, chemical resistant gloves, protective clothing and safety boots. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation.

### Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

### Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## 7 . HANDLING AND STORAGE

### Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

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## Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents and acids.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

#### 1310-73-2 Sodium hydroxide (Na(OH))

NES TWA: 2 mg/m<sup>3</sup>  
Peak limitation: 2 mg/m<sup>3</sup>

#### 1310-58-3 Potassium hydroxide

NES TWA: 2 mg/m<sup>3</sup>  
Peak limitation: 2 mg/m<sup>3</sup>

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

### Personal Protective Equipment (PPE):

#### Respiratory Protection:

Use a Safe Work Australia approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

#### Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear, colourless
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	Not determined.
<b>pH-Value:</b>	~14
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	>100 °C
<b>Flash Point:</b>	Not applicable
<b>Flammability:</b>	Non flammable
<b>Auto-ignition Temperature:</b>	Not applicable
<b>Decomposition Temperature:</b>	No information available

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## Explosion Limits:

**Lower:**

Not applicable

**Upper:**

Not applicable

**Vapour Pressure:**

Not determined.

**Density:**

Not determined.

**Relative Density at 20 °C:**

1.25 g/cm<sup>3</sup>

**Vapour Density:**

Not determined.

**Evaporation Rate:**

Not determined.

**Solubility in Water:**

Miscible in all proportions

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** No further relevant information available.

**Incompatible Materials:** Strong oxidizing agents, strong acids and organic materials.

**Hazardous Decomposition Products:** Oxides of sodium, chlorine and hydrogen chloride.

## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

##### 1310-73-2 Sodium hydroxide (Na(OH))

Oral LD<sub>50</sub> 2000 mg/kg (rat)

##### 7681-52-9 sodium hypochlorite, solution

Oral LD<sub>50</sub> 5800 mg/kg (mouse)

##### 1310-58-3 Potassium hydroxide

Oral LD<sub>50</sub> 273 mg/kg (rat)

##### 1643-20-5 dodecyldimethylamine oxide

Oral LD<sub>50</sub> 5000 mg/kg (rat)

### Acute Health Effects

**Inhalation:** Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract.

**Skin:** Causes skin burns.

**Eye:** Causes serious eye damage.

**Ingestion:** May be harmful if swallowed.

**Skin Corrosion / Irritation:** Causes severe skin burns.

**Serious Eye Damage / Irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

### Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

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**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** No information available

**Aquatic toxicity:** Harmful to aquatic organisms.

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

**Other adverse effects:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

<b>UN Number</b>	UN1719
<b>ADG, IMDG, IATA</b>	
<b>Proper Shipping Name</b>	
<b>ADG</b>	1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)
<b>IMDG, IATA</b>	CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE)
<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	8 (C5) Corrosive substances.
<b>IMDG Class:</b>	8 Corrosive substances.
<b>Packing Group:</b>	
<b>ADG, IMDG, IATA</b>	II
<b>Marine pollutant:</b>	No
<b>EMS Number:</b>	F-A,S-B
<b>Hazchem Code:</b>	2R
<b>Special Provisions:</b>	274
<b>Limited Quantities:</b>	1L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	Not applicable
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T11
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP2, TP27

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## 15 . REGULATORY INFORMATION

### Australian Inventory of Chemical Substances:

1310-73-2	Sodium hydroxide (Na(OH))
7681-52-9	sodium hypochlorite, solution
1310-58-3	Potassium hydroxide
1643-20-5	dodecyldimethylamine oxide
1300-72-7	sodium xylenesulphonate
127087-87-0	Poly(oxy-1,2-ethanediyl), .alpha.-(4-nonylphenyl)-.omega.-hydroxy-branched
7732-18-5	Water

### Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 5

## 16 . OTHER INFORMATION

**Creation Date:** 12.01.2015

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

### Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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