

Printing date 08.08.2014

Revision: 01.08.2014

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** ALKA KLENZ - LO FOAM

**Other Name:** Mixture of alkaline salts and surfactants.

**Recommended Use of the Chemical and Restriction on Use:** Dairy detergent.

**Details of Manufacturer or Importer:**

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

**Phone Number:** (03) 9459 7004

**Emergency telephone number:** 13 11 26 (Poisons Information Centre)

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**



corrosion

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



STOT SE 3 H335 May cause respiratory irritation.

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

**Precautionary Statements**

- P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
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.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P405 Store locked up.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national regulations.

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## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

### Chemical Characterization: Mixtures

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

### Hazardous Components:

497-19-8	Sodium carbonate	>60%
	⚠ Eye Irrit. 2, H319	
10213-79-3	Sodium metasilicate pentahydrate	10-30%
	⚠ Met. Corr. 1, H290; Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	

## 4 . FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

### Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash skin and hair with running water. Seek medical attention if symptoms occur.

### Eye Contact:

In case of eye contact, hold eyelids apart and flush eye with running water for at least 15 minutes or until advised to stop by Poisons Information Centre or a doctor. Seek immediate medical attention.

**Ingestion:** If swallowed, do not induce vomiting. Seek immediate medical attention.

### Information for Doctor

Product is a mixture of alkaline salts containing a moderate proportion of sodium metasilicate and a low proportion of mixed surfactants. Causes burns, risk of serious eye damage. Contact Poisons Information Centre.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog or fine water spray.

### Specific Hazards Arising from the Chemical:

Contact with active metals such as aluminium, tin and zinc, especially in the presence of moisture, generates flammable hydrogen gas. Combustion products include carbon dioxide, oxides of phosphorous and traces of sulphur oxides.

### 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 dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

### 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:

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Stop leak if safe to do so. Slippery when wet.

For small spills: If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise absorb spill with inert absorbent material and transfer to a suitable container and arrange removal by a disposals company.

For large spills: absorb spill with sand, earth or other absorbent material. Transfer both solids and liquids to a suitable container for disposal. Treat residues as for small spillages.

## 7 . HANDLING AND STORAGE

### Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

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.

### Conditions for Safe Storage:

Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Store in original container. Protect from physical damage and direct sunlight. Keep away from acids, oxidising agents, active metals such as aluminium, tin and zinc and metals in the presence of moisture. Keep out of reach of children.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### Engineering Contols:

Ensure adequate ventilation of the workplace. If handling industrial quantities, or if dust risk exists, provide exhaust ventilation or other engineering controls to keep the airborne concentrations of dust as low as possible.

### Personal Protective Equipment (PPE):

#### Respiratory Protection:

Where an inhalation risk exists, wear a Class P1 (particulate) respirator. At high dust levels, wear a powered air purifying respirator (PAPR) with Class P3 (Particulate) filter or an air-line respirator or a full-face Class P3 (particulate) respirator. See Australian/New Zealand Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

Rubber or plastic 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.

Impervious overalls, plastic apron, sleeves and boots should be worn when handling industrial quantities. See Australian/New Zealand Standard AS/NZS 4501 for more information.

#### Eye and Face Protection:

Eye and face protectors for protection against dust, such as face shield and safety glasses. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

#### Form:

Granular powder

#### Colour:

White

#### Odour:

Slight detergent odour

#### Odour Threshold:

No information available

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<b>pH-Value:</b>	About 11.5
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	Not applicable.
<b>Flammability:</b>	Product is not flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	Not applicable
<b>Upper:</b>	Not applicable
<b>Vapour Pressure:</b>	No information available
<b>Density:</b>	No information available
<b>Relative Density:</b>	No information available
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Solubility in Water:</b>	Soluble in water
<b>Partition Coefficient (n-octanol/water):</b>	No information available
<b>VOC:</b>	None

## 10 . STABILITY AND REACTIVITY

### Possibility of Hazardous Reactions:

Highly alkaline mixture. Will react vigorously or violently with acids, generating carbon dioxide, a simple asphyxiant. Slightly hygroscopic, may absorb moisture from the air. May react with strong oxidising agents. Corrosive to active metals, such as aluminium, tin, zinc and galvanised iron, especially in the presence of moisture, generating hydrogen, a flammable gas.

**Chemical Stability:** Stable under normal conditions.

**Conditions to Avoid:** Physical damage to container, direct sunlight, air and moisture.

### Incompatible Materials:

Acids, oxidising agents, active metals such as aluminium, tin, zinc and galvanised iron.

**Hazardous Decomposition Products:** Oxides of phosphorous and traces of sulphur oxides.

## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

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

##### 497-19-8 Sodium carbonate

	LC <sub>50</sub>	2300 mg/m <sup>3</sup> /2hrs (rat)
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Oral	LD <sub>50</sub>	4090 mg/kg (rat)
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##### 10213-79-3 Sodium metasilicate pentahydrate

Oral	LD <sub>50</sub>	1153 mg/kg (rat)
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### Acute Health Effects

#### Inhalation:

Inhalation of dust will irritate the upper respiratory system. May cause a burning pain in the nose and throat, coughing, wheezing and shortness of breath. Risk of delayed onset pulmonary oedema (build up of fluid in the lungs). Aspiration of the mixture into the lungs during swallowing or vomiting may cause serious lung injury.

**Skin:** May cause irritation and burns, will cause degreasing effect on skin, especially when wet.

**Eye:** May cause severe irritation and possible eye burns. Risk of permanent injury.

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**Ingestion:**

Corrosive if swallowed. May cause nausea, vomiting, severe irritation and abdominal pain, ulceration and/or bleeding from the stomach, duodenum and small intestine. May cause electrolyte disturbances, shock and collapse.

**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:** May cause respiratory irritation.

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

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

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

**Chronic Health Effects:**

Repeated skin contact may lead to irritation, dermatitic effects and possible sensitisation. Prolonged or repeated inhalation of dust may lead to nose bleeds, nasal congestion, erosion of the teeth, perforation of the nasal septum, chest pain and bronchitis.

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

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:**

Harmful to aquatic organisms. Contains phosphate which may contribute to the development of algal blooms. Contains a very low proportion of an alkoxylated alcohol. Local concentrations may be harmful to aquatic organisms, including fish.

**Aquatic toxicity:** No information available

**Persistence and Degradability:** No information available

**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:**

Avoid disposal to natural waters or the environment. Do not use metal containers. Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**

Not suitable for incineration or some landfill sites. Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

**UN Number****ADG**

UN3253

**Proper Shipping Name****ADG**

DISODIUM TRIOXOSILICATE, mixture

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<b>Dangerous Goods Class</b>	
<b>ADG Class:</b>	8 Corrosive substances.
<b>Packing Group:</b>	
<b>ADG</b>	III
<b>Hazchem Code:</b>	2X
<b>Special Provisions:</b>	Not applicable
<b>Limited Quantities:</b>	5 kg
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P002, IBC08, LP02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	B3
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T1
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP33

## 15 . REGULATORY INFORMATION

### Australian Inventory of Chemical Substances:

497-19-8 Sodium carbonate

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

Poisons Schedule: 5

## 16 . OTHER INFORMATION

**Creation Date:** 01.08.2014**Last Revision of MSDS:** 01.09.2009**Prepared by:** MSDS.COM.AU Pty Ltd[www.msds.com.au](http://www.msds.com.au)

### Abbreviations and acronyms:

ADG: Australian Dangerous Goods  
 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)  
 VOC: Volatile Organic Compounds  
 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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