

# SAFETY DATA SHEET

According to Safe Work Australia

Printing date 07.10.2014

Revision: 07.10.2014

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** CITRA KLENZ**Other Name:** Sulphamic acid mixture containing surfactant**Recommended Use of the Chemical and Restriction on Use:** Acid 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:**

Skin Irrit. 2            H315 Causes skin irritation.

Eye Irrit. 2A            H319 Causes serious eye irritation.

H402 Harmful to aquatic life.

Aquatic Chronic 3    H412 Harmful to aquatic life with long lasting effects.

**Label Elements****Signal Word** Warning**Hazard Statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

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

P273            Avoid release to the environment.

P264            Wash hands thoroughly after handling.

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).

P332+P313      If skin irritation occurs: Get medical advice/attention.

P337+P313      If eye irritation persists: Get medical advice/attention.

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

P362+P364      Take off contaminated clothing and wash it before reuse.

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:**

5329-14-6	Sulfamic acid	>60%
	⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Aquatic Chronic 3, H412	
	Surfactant	<10%

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### 4 . FIRST AID MEASURES

**Inhalation:** If inhaled, remove to fresh air, rest and keep warm. Seek medical attention if problems develop.

**Skin Contact:**

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

**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. Seek immediate medical attention.

**Information for Doctor**

**Symptoms Caused by Exposure:**

**Inhalation:** May cause a burning sensation in the chest, coughing, wheezing, laryngitis, difficulty breathing, headache, nausea and vomiting. Inhalation of dusts may cause pulmonary oedema (fluid build up in the lungs)

**Skin Contact:** Corrosive to the skin, especially when wet. Can cause redness, pain, blisters and severe burns.

**Eye Contact:** Corrosive to moist tissues. May cause redness, pain, blurred vision, tissue damage and severe, deep burns.

**Ingestion:** Can cause sore throat, abdominal cramps, vomiting, diarrhoea and shock, severe burns to the mouth, throat and stomach, leading to death.

### 5 . FIRE FIGHTING MEASURES

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

**Specific Hazards Arising from the Chemical:**

Product is a combustible solid. Contact with strong oxidising agents may cause fire. Violent or explosive reactions in contact with metal nitrates, metal nitrites and fuming nitric acid.

Combustion products include oxides of carbon, sulfur and nitrogen.

**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. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

**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 sweep granules into a pile and shovel into drums for subsequent disposal. Avoid generating dust. Provide adequate ventilation. Decontaminate spill area with detergent and water.

Prepared spray spill absorb 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 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

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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 original container in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from physical damage, heat, sparks, open flames and other sources of ignition. Keep away from alkalis (including carbonates and bicarbonates), oxidising agents (including nitrates and nitrites), nitric acid and metals (in the presence of moisture).

## 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 Controls:**

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

**Personal Protective Equipment (PPE):****Respiratory Protection:**

Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. See Australian Standards AS/NZS 1715 and 1716 for more information.

Where a dust inhalation risk exists, wear a Class P1 (particulate) respirator.

**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. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

<b>Form:</b>	Slightly sticky, crystalline powder
<b>Colour:</b>	Pink
<b>Odour:</b>	Slight detergent odour
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	Very acidic
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Combustible solid
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	190 °C
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available

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**Density:** No information available  
**Relative Density:** No information available  
**Vapour Density:** Not applicable  
**Evaporation Rate:** Not applicable  
**Solubility in Water:** Soluble in water  
**Partition Coefficient (n-octanol/water):** No information available

### 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:**

Violent or explosive reactions with metal nitrates, metal nitrites, fuming nitric acid. Contact with strong oxidising agents may cause fire. Contact with carbonates or bicarbonates will generate carbon dioxide. Corrosive to metals when wet. Violent reactions with strong alkalis. Reacts slowly with water.

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

**Conditions to Avoid:** Heat, sparks, open flames, hot surfaces, direct sunlight and moisture. .

**Incompatible Materials:**

Metals (in the presence of moisture), alkalis (including carbonates and bicarbonates), oxidising agents, nitrates, nitrites and nitric acid.

**Hazardous Decomposition Products:** Oxides of carbon, sulfur and nitrogen.

### 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**
**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:**
**5329-14-6 Sulfamic acid**

Oral	LD <sub>50</sub>	1312 mg/kg (mouse)
		3160 mg/kg (rat)

**Acute Health Effects**
**Inhalation:**

Extremely destructive to the moist tissues of mucous membranes and the upper respiratory tract. May cause a burning sensation in the chest, coughing, wheezing, laryngitis, difficulty breathing, headache, nausea and vomiting. Inhalation of dusts may cause pulmonary oedema (fluid build up in the lungs). Onset of symptoms may be delayed for up to 48 hours.

**Skin:** Corrosive to the skin, especially when wet. Can cause redness, pain, blisters and severe burns.

**Eye:**

Corrosive to moist tissues. May cause redness, pain, blurred vision, tissue damage and severe, deep burns.

**Ingestion:**

May be fatal if swallowed. Can cause sore throat, abdominal cramps, vomiting, diarrhoea and shock, severe burns to the mouth, throat and stomach, leading to death.

**Skin Corrosion / Irritation:** Causes skin irritation.

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

**Respiratory or Skin Sensitisation:** No sensitising effects known.

**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.

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**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 or prolonged skin exposure may cause dermatitis.**Existing Conditions Aggravated by Exposure:** Respiratory conditions.

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:****Aquatic toxicity:** Harmful to aquatic life. May have long term adverse effects in the aquatic environment.**Persistence and Degradability:**

The surfactant used in this product is not considered to be readily biodegradable.

**Bioaccumulative Potential:** No information available**Mobility in Soil:** 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>	2967
<b>Proper Shipping Name</b>	SULPHAMIC ACID
<b>Dangerous Goods Class</b>	8
<b>Packing Group:</b>	III
<b>EMS Number:</b>	FA-SB
<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:**

5329-14-6 | Sulfamic acid

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

Poisons Schedule: 6

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### 16 . OTHER INFORMATION

**Creation Date:** 07.10.2014**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:**

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 percentLD<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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