

V.K.2 FOGGING SOLUTION

1. Identification of the material and supplier

Names

Product name : V.K.2 FOGGING SOLUTION
 NZS 5433 (1999) : Not regulated

Supplier : Ecolab Ltd
 6 Daniel Place, Te Rapa, Hamilton, New Zealand
 Customer Service Phone +64 7 958 2319
 Fax number +64 7 958 2361

Emergency telephone number : 0800 243 622 (0800 CHEMCALL)

Uses

Material uses : Special detergent
 Date of issue : **6-December-2011**

2. Hazards identification

Statement of hazardous/dangerous nature : HAZARDOUS SUBSTANCE. NON- DANGEROUS GOODS.

Signal word : Warning

Hazard statements : Harmful if swallowed

Precautionary statements : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

After contact with skin, wash immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection.

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

3. Composition/information on ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Concentration %w/w</u>
Coconut oil fatty acids, diethanolamide	68603-42-9	<10

Other ingredients, determined not to be hazardous subject to the provisions of the Hazardous Substances (identification) Regulations 2001, make up the product concentration to 100%.

4. First-aid measures

First-aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin Contact : In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation : If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion : Do not induce vomiting. Rinse mouth; then drink one or two large glasses of water. Contact a doctor or a Poisons Information Centre (0800 764 766). Get medical attention immediately. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs.

Notes to physician : No specific treatment. Treat symptomatically.

5. Fire-fighting measures

Extinguishing media	: Use an extinguishing agent suitable for the surrounding fire.
Fire/explosion hazards	: No specific hazard.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Hazardous Decomposition Products	: These products are carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂ etc.), sulphur oxides (SO ₂ , SO ₃ , etc.), phosphates. Some metallic oxides.

6. Accidental release measures

Personal Precautions	: Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment.
Environmental precautions	: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
Methods for cleaning up	: If emergency personnel are unavailable, contain spilt material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dyke spilt material or otherwise contain material to ensure runoff does not reach a waterway. Place spilt material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

Handling	: Slowly stir product into water. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.
Storage	: Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep away from incompatibles, such as acid and metal

8. Exposure controls/personal protection

Occupational exposure limits	: No exposure standards allocated
Engineering measures	: None required. However, use of adequate ventilation is good industrial practice
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Personal protection	
Eyes	: Wear safety glasses
Hands	: Wear any impervious glove. Recommended: Elbow length PVC gloves.
Respiratory	: A respirator is not needed under normal and intended conditions of product use
Skin	: Wear synthetic apron, other protective equipment as necessary to prevent skin contact.

9. Physical and chemical properties

Physical state	: Liquid
Colour	: Pink
Odour	: Odourless
Melting point	: Not available
Vapour pressure	: Not available
Specific gravity	: 1.042
Flash point	: >100°C
Vapour density	: Not available.
pH	: 7(100%)
Solubility	: Easily soluble in cold water, hot water.

10. Stability and reactivity

Stability : The product is stable under normal ambient conditions of temperature and pressure.
 Conditions to Avoid : None identified.
 Materials to avoid : Organic material, metal, acids, moisture.
 Hazardous Decomposition Products : These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.). Some metallic oxides.
 Hazardous Reactions : No hazardous reactions expected

11. Toxicological information

Potential acute health effects

Inhalation : No known significant effects or critical hazards
 Ingestion : Exposure can cause nausea, headache and vomiting. Harmful if swallowed.
 Skin Contact : No known significant effects or critical hazards
 Eye contact : Slightly Irritating to the eye

Potential chronic health effects

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

12. Ecological information

Ecotoxicity data : Not available.
 Persistence/degradability : Not available.
 Mobility : Not available.
 Environmental Risk Phrases: No known significant effects or critical hazards

13. Disposal considerations

Methods of disposal : Disposal of this product, solutions, containers and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

14. Transport information

<u>Regulation</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Additional information</u>
NZS 5433:1999	-	-	-	-	-
IMDG	-	-	-	-	-

15. Regulatory information

ERMA NZ Registration Number : HSR 002530
 ERMA Group Standard : Cleaning Products (Subsidiary Hazard) Group Standard 2006
 HSNO Classifications : 6.1D Substances that have relatively low acute toxicity
 HSNO Conditions : Hazardous Substance Location trigger quantity :N/A
 Approved Handler trigger quantity :N/A
 Secondary containment trigger quantity :1000kg
 Signage trigger quantity : 10000kg
 Emergency Response Plan trigger quantity: 1000kg
 Other Requirements :

16. Other information

Prepared by : Regulatory Affairs
Date of previous issue : 10-January-2007
Change Made : Reissue MSDS
References : NZS 5433:1999 Transport of Dangerous Goods on Land.
Land Transport (Dangerous Goods) Rule 45001:2005
Hazardous Substances Regulations 2001:
- Minimum Degrees of Hazard
- Classification
- Classes 1 to 5 Controls
- Classes 6, 8 and 9 Controls
- Packaging Regulations
- Identification Regulations
- Disposal Regulations
- Emergency Management
Health and Safety in Employment Regulations 1995
User Guide to the HSNO Thresholds and Classifications
OSH Workplace Exposure Standards January 2002
NZCIC Approved Code of Practice – Preparation of Safety Data Sheets
Signage for premises storing hazardous substances and dangerous goods

Disclaimer

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.