



SAFETY DATA SHEET

Foamtrol AF1441

Infosafe No.: GBZWB
ISSUED Date : 01/06/2020
ISSUED by: Suez Water Technologies &
Solutions Pty Ltd

1. IDENTIFICATION

GHS Product Identifier

Foamtrol AF1441

Product Code

G8737

Product Type

Antifoam

Company Name

Suez Water Technologies & Solutions Pty Ltd (ABN 84 001 221 941)

Address

Suez Water Technologies & Solutions
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Emergency phone number

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Recommended use of the chemical and restrictions on use

Antifoam

Disclaimer

Off line MSDS are uncontrolled documents, Current safety data sheets can be accessed via internet on www.msdsonline.com.au/suez/

No liability is accepted for any damages resulting from the use of, or reliance on, this information..

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Acute Toxicity - Inhalation: Category 4

Aspiration Hazard: Category 1

Eye Damage/Irritation: Category 2A

Skin Corrosion/Irritation: Category 2

STOT Repeated Exposure: Category 1

STOT Single Exposure: Category 3 (respiratory tract irritation)

Toxic to Reproduction: Category 2

Signal Word (s)

DANGER

Hazard Statement (s)

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

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H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to organs (adrenal gland, bone marrow, kidney, liver, thymus gland) through prolonged or repeated exposure by skin contact..

Pictogram (s)

Health hazard, Exclamation mark



Precautionary statement – Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 Wash contaminated skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

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

P281 Use personal protective equipment as required.

Precautionary statement – Response

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

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.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P314 Get medical advice/attention if you feel unwell.

P331 Do NOT induce vomiting.

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

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

P362 Take off contaminated clothing and wash before reuse.

Precautionary statement – Storage

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Precautionary statement – Disposal

P501 Dispose of contents/container to be in accordance with local/regional/national/international regulations..

Supplemental Information

HSNO code: 6.1D (Substances that are acutely toxic - Harmful)

HSNO code: 6.3A (Substances that are irritating to the skin)

HSNO code: 6.4A (Substances that are irritating to the eye)

HSNO code: 6.8B (Substances that are suspected human reproductive or developmental toxicants)

HSNO code: 6.9B (Substances that are harmful to human target organs or systems)

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	CAS	Proportion
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	60-90 %
Alcohol, C10-C16	67762-41-8	5-10 %
Fatty acid ethoxylate	61791-00-2	5-10 %
Components not classified as dangerous goods	N/A	Balance

4. FIRST-AID MEASURES

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion

Call a physician or poison control center immediately. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Skin

Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. If irritation develops, seek medical attention.

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First Aid Facilities

Normal washroom facilities are generally suitable. Ensure an eyewash station and safety shower are available and ready for use.

Advice to Doctor

This product contains a hydrocarbon solvent. Aspiration into the lungs will result in chemical pneumonia and may be fatal.

Indication of immediate medical attention and special treatment needed if necessary

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed. This product contains a hydrocarbon solvent. Aspiration into the lungs will result in chemical pneumonia.

Most important symptoms/effects, acute and delayed

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Edema. Jaundice. Prolonged exposure may cause chronic effects.

Other Information

IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance

5. FIRE-FIGHTING MEASURES

Fire Fighting Measures

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Cool containers / tanks with water spray. Fire fighters should wear positive pressure self-contained breathing apparatus (full face-piece type).

Suitable Extinguishing Media

Foam or water create a slippery condition. Spread sand or grit.

Unsuitable Extinguishing Media

Do not use water jet as an extinguisher, as this will spread the fire

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Hazards from Combustion Products

Oxides of carbon

Special Protective Equipment for fire fighters

Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask.

Specific Methods

Use standard firefighting procedures and consider the hazards of other involved materials

Specific Hazards Arising From The Chemical

During fire, gases hazardous to health may be formed

Decomposition Temperature

Not available.

Other Information

No unusual fire or explosion hazards noted

6. ACCIDENTAL RELEASE MEASURES

Methods And Materials For Containment And Cleaning Up

Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Personal Precautions

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch or walk through spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS

Environmental Precautions

Avoid discharge into drains, water courses or onto the ground

7. HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep container tightly closed. Store away from oxidizers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

No Exposure Limit Established

Appropriate Engineering Controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

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Respiratory Protection

** Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Half face-piece respirator with organic vapour (Type A) and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure levels.

Eye Protection

Wear safety glasses with side shields (or goggles). Splash proof chemical goggles

Hand Protection

Wear appropriate chemical resistant gloves. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. Suitable gloves can be recommended by the glove supplier. Glove selection must take into account any solvents and other hazards present.

Thermal Hazards

Wear appropriate thermal protective clothing, when necessary

Body Protection

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended

Hygiene Measures

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Colour

Colourless to yellow

Odour

Slight Hydrocarbon

Decomposition Temperature

Not available.

Boiling Point

Not available.

Solubility in Water

0.0%

Specific Gravity

0.875 @ 21 degrees Celsius

pH

pH in aqueous solution 5.5 (5% EMULSION)

Vapour Pressure

< 5 mm Hg

Vapour Density (Air=1)

>1

Evaporation Rate

<1 (Ether = 1)

Physical State

Liquid

Viscosity

54cps @ 21 degrees Celsius

Volatile Component

VOC 41 % (Calculated)

Pour Point

<16 degrees Celsius

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Partition Coefficient: n-octanol/water

Not available.

Flash Point

>93 degrees Celsius P-M(CC)

Flammability

Not applicable

Auto-Ignition Temperature

Not available.

Flammable Limits - Lower

Not available

Flammable Limits - Upper

Not available

Explosion Limit - Upper

Not available

Explosion Limit - Lower

Not available

Explosion Properties

Not explosive

Oxidising Properties

Not oxidizing

Relative density

0.88

Melting/Freezing Point

Not available.

10. STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport

Chemical Stability

Material is stable under normal conditions

Conditions to Avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials. None under normal conditions

Incompatible materials

Strong oxidizing agents

Hazardous Decomposition Products

Oxides of carbon evolved in fire

Possibility of hazardous reactions

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Acute toxicity

May be fatal if swallowed and enters airways. Harmful if inhaled. May cause respiratory irritation.

Product Species Test Results

FOAMTROL AF1441 (CAS Mixture)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg, (Estimated value)

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Inhalation

LC50 Rat 6.1 mg/l, 4 Hours, (Estimated value)

Oral

LD50 Rat > 5000 mg/kg, (Estimated value)

Components Species Test Results

Petroleum distillates,hydrotreated heavy paraffinic (CAS 64742-54-7)

Acute

Dermal

LD50 Rabbit > 5000 mg/kg

Inhalation

LC50 Rat > 2.18 mg/l/4h

Oral

LD50 Rat > 5000 mg/kg

* Estimates for product may be based on additional component data not shown.

Ingestion

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.

Inhalation

Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.

Skin

Causes damage to organs through prolonged or repeated exposure by skin contact. Causes skin irritation.

Eye

Causes serious eye irritation.

Skin corrosion/irritation

Causes skin irritation

Serious eye damage/irritation

Causes serious eye irritation

Respiratory sensitisation

This product is not expected to cause respiratory sensitization.

Skin Sensitisation

This product is not expected to cause skin sensitization

Germ cell mutagenicity

No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) 3 Not classifiable as to carcinogenicity to humans.

Petroleum distillates,hydrotreated heavy paraffinic (CAS 64742-54-7) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed

Reproductive Toxicity

Suspected of damaging fertility or the unborn child

STOT-single exposure

May cause respiratory irritation.

STOT-repeated exposure

Causes damage to organs (Liver, Kidney, Thymus, Adrenals, Bone Marrow) through prolonged or repeated exposure by skin contact.

Aspiration Hazard

May be fatal if swallowed and enters airways.

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Human Effects

Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Edema. Jaundice

Chronic Effects

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.

12. ECOLOGICAL INFORMATION

Ecological information

Product Species Test Results

FOAMTROL AF1441 (CAS Mixture)

LC50 Fathead Minnow 51 mg/L, Static Renewal Bioassay, 96 hour

NOEL Fathead Minnow 38 mg/L, Static Renewal Bioassay, 96 hour

Aquatic

Crustacea

LC50 Daphnia magna 8.1 mg/L, Static Renewal Bioassay, 48 hour

NOEL Daphnia magna 3.12 mg/L, Static Renewal Bioassay, 48 hour

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

No data is available on the degradability of this product.

- COD (mgO₂/g) 1995 (calculated data)

- BOD 5 (mgO₂/g) 996 (calculated data)

- BOD 28 (mgO₂/g) 1315 (calculated data)

- Closed Bottle Test (% Degradation in 28 days) 52 (calculated data)

- TOC (mg C/g) 753 (calculated data)

Mobility

No data available

Environmental Fate

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13. DISPOSAL CONSIDERATIONS

Disposal considerations

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulation

Waste Disposal

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

Container Disposal

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Local Legislation

Dispose in accordance with all applicable regulations

14. TRANSPORT INFORMATION

Transport Information

Not classified as a Dangerous Good for the purposes of road, rail, sea and air transport.

U.N. Number

None Allocated

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UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

15. REGULATORY INFORMATION

Regulatory information

All components are exempt or listed in the Australian Inventory of Chemical Substances and the New Zealand Inventory of Chemicals.

HSNO Approval Number

Group Standard - Water treatment chemicals - Subsidiary hazard HSR002684

16. OTHER INFORMATION

Contact Person/Point

New Zealand address:

Level 6, 63 Albert Street, Auckland, 1010, New Zealand

Other Information

Disclaimer:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

END OF SDS

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