

SAFETY DATA SHEET

SEPTONE FOREST PINE

Infosafe No.: K1H2L
ISSUED Date : 22/05/2014
ISSUED by: ITW AAMTECH

1. IDENTIFICATION

GHS Product Identifier

SEPTONE FOREST PINE

Product Code

HDFP5, HDFP15, HDFP25, HDFP200

Company Name

ITW AAMTECH

Address

100 Hassall Street Wetherill Park
NSW 2164 Australia

Telephone/Fax Number

Tel: +61 2 9828 0900

Fax: +61 2 9725 4698

Emergency phone number

1800 039 008 (24 hours) / +61 3 9573 3112 (24 hours)

E-mail Address

general@septone.com.au

Recommended use of the chemical and restrictions on use

Commercial / household grade disinfectant.

2. HAZARD IDENTIFICATION

GHS classification of the substance/mixture

Non-Dangerous Goods.

Non-Hazardous substance.

Signal Word (s)

NOT APPLICABLE

Hazard Statement (s)

Not Applicable

Precautionary statement – Prevention

Not Applicable

Precautionary statement – Response

Not Applicable

Precautionary statement – Storage

Not Applicable

Precautionary statement – Disposal

Not Applicable

Other Information

GHS Classification: Not Applicable

Label elements

GHS label elements: Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Substances

See section below for composition of Mixtures

No other ingredient information supplied.

Ingredients

Name	CAS	Proportion
Benzyl C8-18 alkyltrimethylammonium chloride	63449-41-2	0-10 %
Ingredients determined not to be hazardous	Not Available	0-10 %
Water	7732-18-5	>60 %

4. FIRST-AID MEASURES

Inhalation

If fumes, aerosols or combustion products are inhaled remove from contaminated area.

Other measures are usually unnecessary.

Ingestion

If swallowed do NOT induce vomiting.

If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.

Observe the patient carefully.

Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.

Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

Seek medical advice.

Skin

If skin contact occurs:

Immediately remove all contaminated clothing, including footwear.

Flush skin and hair with running water (and soap if available).

Seek medical attention in event of irritation.

Eye contact

If this product comes in contact with the eyes:

Wash out immediately with fresh running water.

Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.

Seek medical attention without delay; if pain persists or recurs seek medical attention.

Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Indication of immediate medical attention and special treatment needed if necessary

Treat symptomatically.

For exposures to quaternary ammonium compounds;

For ingestion of concentrated solutions (10% or higher): Swallow promptly a large quantity of milk, egg whites / gelatin solution. If not readily available, a slurry of activated charcoal may be useful. Avoid alcohol. Because of probable mucosal damage omit gastric lavage and emetic drugs.

For dilute solutions (2% or less): If little or no emesis appears spontaneously, administer syrup of Ipecac or perform gastric lavage.

If hypotension becomes severe, institute measures against circulatory shock.

If respiration laboured, administer oxygen and support breathing mechanically. Oropharyngeal airway may be inserted in absence of gag reflex. Epiglottic or laryngeal edema may necessitate a tracheotomy.

Persistent convulsions may be controlled by cautious intravenous injection of diazepam or short-acting barbiturate drugs. [Gosselin et al, Clinical Toxicology of Commercial Products]

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

There is no restriction on the type of extinguisher which may be used.
Use extinguishing media suitable for surrounding area.

Specific Methods

Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves in the event of a fire.
Prevent, by any means available, spillage from entering drains or water courses.
Use fire fighting procedures suitable for surrounding area.
DO NOT approach containers suspected to be hot.
Cool fire exposed containers with water spray from a protected location.
If safe to do so, remove containers from path of fire.

Specific Hazards Arising From The Chemical

Fire Incompatibility: None known.

Fire/Explosion Hazard

Non combustible.

Not considered to be a significant fire risk.

Expansion or decomposition on heating may lead to violent rupture of containers.

Decomposes on heating and may produce toxic fumes of carbon monoxide (CO).

May emit acrid smoke.

Decomposes on heating and produces toxic fumes of:

,
carbon dioxide (CO₂)

Decomposition Temperature

Not Available

6. ACCIDENTAL RELEASE MEASURES

Clean-up Methods - Small Spillages

Slippery when spilt.

Clean up all spills immediately.

Avoid breathing vapours and contact with skin and eyes.

Control personal contact with the substance, by using protective equipment.

Contain and absorb spill with sand, earth, inert material or vermiculite.

Wipe up.

Place in a suitable, labelled container for waste disposal.

Clean-up Methods - Large Spillages

Slippery when spilt.

Minor hazard.

Clear area of personnel.

Alert Fire Brigade and tell them location and nature of hazard.

Control personal contact with the substance, by using protective equipment as required.

Prevent spillage from entering drains or water ways.

Contain spill with sand, earth or vermiculite.

Other Information

Personal Protective Equipment advice is contained in Section 8 (EXPOSURE CONTROLS/PERSONAL PROTECTION) of the MSDS.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Safe handling

- Limit all unnecessary personal contact.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- When handling DO NOT eat, drink or smoke.
- Always wash hands with soap and water after handling.
- Avoid physical damage to containers.
- Use good occupational work practice.

Other information

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry, well-ventilated area.
- Store away from incompatible materials and foodstuff containers.
- Protect containers against physical damage and check regularly for leaks.
- Observe manufacturer's storage and handling recommendations contained within this MSDS.
- Store below 30 deg.

Conditions for safe storage, including any incompatibilities

Suitable container

- Lined metal can, lined metal pail/ can.
- Plastic pail.
- Polyliner drum.
- Packing as recommended by manufacturer.
- Check all containers are clearly labelled and free from leaks.

Storage incompatibility

None known

Other Information

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limit values

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

EMERGENCY LIMITS

Ingredient: benzyl C8-18 alkyldimethylammonium chloride

TEEL-0: 7.5(ppm)

TEEL-1: 20(ppm)

TEEL-2: 100(ppm)

TEEL-3: 100(ppm)

Ingredient: water

TEEL-0: 500(ppm)

TEEL-1: 500(ppm)

TEEL-2: 500(ppm)

TEEL-3: 500(ppm)

Ingredient: Septone Forest Pine

Original IDLH: Not Available

Revised IDLH: Not Available

Appropriate Engineering Controls

General exhaust is adequate under normal operating conditions.

Eye Protection

No special equipment for minor exposure i.e. when handling small quantities.

· OTHERWISE:

· Safety glasses with side shields.

· Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable.

Hand Protection

No special equipment needed when handling small quantities.

OTHERWISE: Wear chemical protective gloves, e.g. PVC.

Personal Protective Equipment

Other protection

No special equipment needed when handling small quantities.

OTHERWISE:

Overalls.

Barrier cream.

Eyewash unit.

Other Information

Thermal hazards: Not Available

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the computergenerated selection:

Septone Forest Pine

Material: BUTYL

CPI: A

Material: NEOPRENE

CPI: A

Material: VITON

CPI: A

* CPI - Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form

Liquid

Appearance

Clear pale green liquid with pine fragrance; mixes with water.

Odour

Not Available

Decomposition Temperature

Not Available

Boiling Point

100°C

Solubility in Water

Miscible

Specific Gravity

1.000 @ 25°C

pH

7.5 (as supplied)

Not Available as a solution(1%)

Vapour Pressure

Not Available

Vapour Density (Air=1)

Not Available

Evaporation Rate

As water

Odour Threshold

Not Available

Viscosity

Not Available

Volatile Component

Not Available

Partition Coefficient: n-octanol/water

Not Available

Surface tension

Not Available

Flash Point

Not Applicable

Flammability

Not Applicable

Auto-Ignition Temperature

Not Available

Explosion Limit - Upper

Not Applicable

Explosion Limit - Lower

Not Applicable

Explosion Properties

Not Available

Molecular Weight

Not Applicable

Oxidising Properties

Not Available

Melting/Freezing Point

Not Available

Other Information

Taste: Not Available

VOC g/L: Not Available

Gas group: Not Available

10. STABILITY AND REACTIVITY

Reactivity

See section 7 (HANDLING AND STORAGE)

Chemical Stability

Product is considered stable and hazardous polymerisation will not occur.

Conditions to Avoid

See section 7 (HANDLING AND STORAGE)

Incompatible materials

See section 7 (HANDLING AND STORAGE)

Hazardous Decomposition Products

See section 5 (FIREFIGHTING MEASURES)

Possibility of hazardous reactions

See section 7 (HANDLING AND STORAGE)

11. TOXICOLOGICAL INFORMATION

Toxicology Information

Septone Forest Pine

TOXICITY: Not Available

IRRITATION: Not Available

Water

TOXICITY: Not Available

IRRITATION: Not Available

Benzyl C8-18 alkyldimethylammonium chloride

TOXICITY:

Dermal (rat) LD50: 1420 mg/kg

Intravenous (mouse) LD50: 16 mg/kg

Oral (mouse) LD50: 150 mg/kg

Oral (rat) LD50: 447 mg/kg

Not Available Not Available

Not available. Refer to individual constituents.

BENZYL C8-18 ALKYLDIMETHYLAMMONIUM CHLORIDE

Asthma-like symptoms may continue for months or even years after exposure to the material ceases. This may be due to a non-allergenic condition known as reactive airways dysfunction syndrome (RADS) which can occur following exposure to high levels of highly irritating compound. Key criteria for the diagnosis of RADS include the absence of preceding respiratory disease, in a non-atopic individual, with abrupt onset of persistent asthma-like symptoms within minutes to hours of a documented exposure to the irritant. A reversible airflow pattern, on spirometry, with the presence of moderate to severe bronchial hyperreactivity on methacholine challenge testing and the lack of minimal lymphocytic inflammation, without eosinophilia, have also been included in the criteria for diagnosis of RADS. RADS (or asthma) following an irritating inhalation is an infrequent disorder with rates related to the concentration of and duration of exposure to the irritating substance. Industrial bronchitis, on the other hand, is a disorder that occurs as result of exposure due to high concentrations of irritating substance (often particulate in nature) and is completely reversible after exposure ceases. The disorder is characterised by dyspnea, cough and mucus production.

General depressed activity, impaired liver function tests, increased urine volume, changes in bone marrow, chronic pulmonary oedema, gastrointestinal changes recorded. For similar compound benzyl C12-18 alkyldimethyl ammonium chloride CAS RN 68391-01-5:

WATER

No significant acute toxicological data identified in literature search.

Acute Toxicity: Data Not Available to make classification

CMR STATUS

Not Applicable

Ingestion

The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. The material may still be damaging to the health of the individual, following ingestion, especially where pre-existing organ (e.g liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern.

Inhalation

Not normally a hazard due to non-volatile nature of product

Skin

The material may cause skin irritation after prolonged or repeated exposure and may produce a contact dermatitis (nonallergic). This form of dermatitis is often characterised by skin redness (erythema) and swelling epidermis. Histologically there may be intercellular oedema of the spongy layer (spongiosis) and intracellular oedema of the epidermis.

Eye

The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

Skin corrosion/irritation

Data Not Available to make classification

Serious eye damage/irritation

Data Not Available to make classification

Mutagenicity

Data Not Available to make classification

Respiratory sensitisation

Data Not Available to make classification

Skin Sensitisation

Data Not Available to make classification

Carcinogenicity

Data Not Available to make classification

Reproductive Toxicity

Data Not Available to make classification

STOT-single exposure

Data Not Available to make classification

STOT-repeated exposure

Data Not Available to make classification

Aspiration Hazard

Data Not Available to make classification

Chronic Effects

Long-term exposure to the product is not thought to produce chronic effects adverse to health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.

12. ECOLOGICAL INFORMATION

Ecological information

Toxicity

DO NOT discharge into sewer or waterways.

The surfactant contained in this product is readily biodegradable, but is regarded as toxic to aquatic organisms. OECD 302B testing of the quaternary ammonium compound contained in this product indicates that it is readily biodegraded, but it is also regarded as

toxic to aquatic organisms. Therefore, the undiluted product should be prevented from entering waterways. If possible, the expended material should be drained to the sewer as sewerage treatment will greatly reduce damage to water quality. Whilst the aquatic toxicity of the components is relatively high (96 hour maximum safe concentration in the order of 1-5 mg/L), dilution of the product with the large excesses of water present and the relatively rapid biodegradation of the surfactants and quaternary ammonium compound should ensure minimal ecotoxicity.

Persistence and degradability

Ingredient: Not Available

Persistence: Water/Soil: Not Available

Persistence: Air: Not Available

Mobility

Ingredient: Not Available

Mobility: Not Available

Bioaccumulative Potential

Ingredient: Not Available

Bioaccumulation: Not Available

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Product / Packaging disposal

Recycle wherever possible or consult manufacturer for recycling options.

Consult State Land Waste Management Authority for disposal.

Bury residue in an authorised landfill.

Recycle containers if possible, or dispose of in an authorised landfill.

14. TRANSPORT INFORMATION

U.N. Number

None Allocated

UN proper shipping name

None Allocated

Transport hazard class(es)

None Allocated

Other Information

Labels Required

Marine Pollutant: NO

HAZCHEM: Not Applicable

Land transport (I): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

15. REGULATORY INFORMATION

Regulatory information

Safety, health and environmental regulations / legislation specific for the substance or mixture

Benzyl C8-18 alkyldimethylammonium chloride(63449-41-2) is found on the following regulatory lists

"International Maritime Dangerous Goods Requirements (IMDG Code)", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5", "WHO Model List of Essential Medicines - Adults", "Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (STOCK - inorganic chemicals)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "Australia - Australian Capital Territory - Environment Protection Regulation: Ambient environmental standards (Domestic water supply - inorganic chemicals)", "Australia FAISD Handbook - First Aid Instructions, Warning Statements, and General Safety Precautions", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)", "Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm (STOCK)", "Australia Dangerous Goods Code (ADG Code) - List of Emergency Action Codes", "Australia Inventory of Chemical Substances (AICS)", "Australia Drinking Water Guideline

Values For Physical and Chemical Characteristics", "OSPAR National List of Candidates for Substitution – Norway", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "Australia Final Report on Hazard Classification of Common Skin Sensitisers", "Australia National Pollutant Inventory", "UNECE - Kiev Protocol on Pollutant Release and Transfer Registers - Annex II", "OSPAR National List of Candidates for Substitution – United Kingdom", "WHO Guidelines for Drinking-water Quality - Chemicals for which guideline values have not been established", "Sigma-AldrichTransport Information", "Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm - Domestic water supply quality", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish)", "Australia Dangerous Goods Code (ADG Code) - Dangerous Goods List", "Australia Hazardous Substances Information System - Consolidated Lists", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Appendix E (Part 2)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "Acros Transport Information", "Australia - Australian Capital Territory - Environment Protection Regulation: Pollutants entering waterways taken to cause environmental harm (IRRIG)", "Australia Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6"

Water(7732-18-5) is found on the following regulatory lists

"WHO Model List of Essential Medicines - Adults", "Australia Inventory of Chemical Substances (AICS)", "OECD List of High Production Volume (HPV) Chemicals", "OSPAR National List of Candidates for Substitution – Norway", "IMO IBC Code Chapter 18: List of products to which the Code does not apply", "Sigma-AldrichTransport Information", "Australia High Volume Industrial Chemical List (HVICL)", "International Fragrance Association (IFRA) Survey: Transparency List"

Poisons Schedule

Not Scheduled

16. OTHER INFORMATION

Empirical Formula & Structural Formula

Not Applicable

Other Information

Version No: 3.1.1.1

Safety Data Sheet according to WHS and ADG requirements

Hazard Alert Code: 1

Initial Date: Not Available

S.GHS.AUS.EN

Chemical Name: Not Applicable

Other means of identification: Not Available

CAS number: Not Applicable

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

This SDS has been transcribed into Infosafe GHS format from an original, issued by the manufacturer on the date shown. Any disclaimer by the manufacturer may not be included in the transcription.

END OF SDS

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