

Material Safety Data Sheet

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ACETONE

Infosafe™ K1H18 Issue Date July 2010 Status ISSUED by BS:
No. SEPTONE 1.15.1

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name ACETONE

Product Code ASA500, ASA1, ASA4, ASA20, ASA200

Company Name Septone Products Pty Ltd (ABN 50 009 745 537)

Address 44 Aquarium Avenue HEMMANT
QLD 4174

Emergency Tel. Business hours only: 1800 000 945 or New Zealand Poisons
Information Centre 0800 764 766

**Telephone/Fax
Number** Tel: (07) 3390 5044
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**Recommended
Use** Cleaning solvent.

Other Names Not Available

**Other
Information** The information herein is, to the best of our knowledge,
correct and complete. It describes the safety requirements
for this product and should not be construed as guaranteeing
specific properties. Since methods and conditions of
application are beyond our control, Septone does not accept
liability for any damages resulting from the use of, or
reliance on, this information, in inappropriate contexts.

2. HAZARDS IDENTIFICATION

Hazard HAZARDOUS SUBSTANCE.
Classification DANGEROUS GOODS.

Classified as Hazardous according to criteria of National
Occupational Health & Safety Commission, Australia (NOHSC).
Classified as Dangerous Goods according to the Australian

Code for the Transport of Dangerous Goods by Road and Rail.
(7th edition)

Risk Phrase(s) R11 Highly flammable.
R36 Irritating to eyes.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness

Safety Phrase(s) S2 Keep out of reach of children.
S9 Keep container in a well ventilated place.
S16 Keep away from sources of ignition - No smoking.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 If swallowed, seek medical advice immediately and show this container or label.

Sensitization of Product This product is not regarded as a skin or respiratory sensitiser.

Teratogenicity This product is not regarded as a teratogen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredients | Name | CAS | Proportion |
|-------------|---------|---------|------------|
| | Acetone | 67-64-1 | 60-100 % |

4. FIRST AID MEASURES

Inhalation Remove the victim from the source of exposure. If the victim is not breathing, apply artificial resuscitation. For all but the most minor symptoms, seek medical attention.

Ingestion Do NOT induce vomiting. Give water to drink. Seek medical attention.

Skin Remove contaminated clothing (avoiding static discharge) and launder before re-use. Wash affected skin thoroughly with soap and water.

Eye Hold the eyes open and flush with water for at least 15 minutes. Seek medical attention.

First Aid Facilities A safety shower and an eye irrigation facility should be provided. This Material Safety Data Sheet should be provided to the attending medical doctor.

Advice to Doctor Inhalation: Treat symptomatically. CNS depression, characterised by headache and nausea.
Ingestion: Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression, ranging from mild headache to anaesthesia. Pulmonary irritation secondary to exhalation of solvent. Lavage with cuffed tube if large quantity ingested. Aspiration is the main danger. Enforce bed rest and observe carefully. Maintain airways and vital functions.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Firefighters should fight large fires with alcohol foam or water fog. For smaller fires, suitable extinguishers are dry chemical, carbon dioxide or foam.

Special Protective Equipment for fire fighters If this product is involved in a fire, firefighters should wear full protective equipment including self-contained breathing apparatus.

Specific Hazards Keep intact containers cool with water spray.

Hazchem Code 2[Y]E

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Personnel involved in cleaning up any spills are to wear the appropriate protective equipment (refer to Personal Protection above). Remove all sources of heat or ignition. Do not smoke during the clean-up procedure. Cordon off the spillage area. Isolate the source of the spillage or leak. Contain the spillage using a suitable non-flammable absorbent material such as sand or diatomaceous earth (but not sawdust), and then transfer to sealed metal containers for disposal. Prevent the spillage from entering the sewerage system or waterways.

7. HANDLING AND STORAGE

Handling and Storage Must be stored in accordance with AS1940. Store in dangerous goods approved metal containers in a cool (ideally below 27°C), well ventilated place away from sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| National Exposure Standards | Name | STEL (mgm3) | STEL (ppm) | TWA (mgm3) | TWA (ppm) | FootNote |
|------------------------------------|-------------|--------------------|-------------------|-------------------|------------------|-----------------|
| | Acetone | 2375 | 1000 | 1185 | 500 | |

Engineering Controls Ensure that the ventilation is adequate to maintain air concentrations below the exposure standard. If necessary, provide local exhaust ventilation. Ventilation equipment must be explosion proof. Isolate the product from all sources of heat or ignition, including sparks and naked flames. Take precautionary measures against static discharge. The vapour is heavier than air and can accumulate in hollows and sumps. Do not enter confined

spaces where the vapour may have accumulated. No smoking.

Personal Protective Equipment Avoid contact with the skin and eyes and avoid breathing the vapour or spray mist. If prolonged or repeated skin contact is likely, oil impervious gloves should be worn. The wearing of safety glasses is recommended. Wear an organic vapour respirator complying with AS 1716 if vapour concentrations exceed the exposure standard. Always wash skin and clothing after using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear water-white mobile liquid, characteristic odour.

Boiling Point 57°C

Solubility in Water Miscible

Specific Gravity 0.791 @ 25°C

Evaporation Rate 600 (n-Butyl Acetate = 100)

Volatile Component 100% v/v

Flash Point - 17°C (Tag closed cup)

Flammability Highly flammable. Isolate from all sources of heat or ignition, including sparks and naked flames. Do not smoke whilst using this product. Take precautions against static electricity discharges. Earth and bond all equipment. An explosive air-vapour mix may form - ensure adequate ventilation. Vapours are heavier than air. Keep away from strongly oxidising materials. Store containers in a cool, well ventilated place away from sources of heat and ignition.

Flammable Limits - Lower 2.6% v/v in air

Flammable Limits - Upper 12.8% v/v in air

10. STABILITY AND REACTIVITY

Chemical Stability Considered stable to heat and light.

Conditions to Avoid Sources of heat or ignition, including sparks and naked flames. Static electricity discharges. An explosive air-vapour mix may form - ensure adequate ventilation. Vapours are heavier than air.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products During combustion, this product may produce carbon monoxide and other unidentifiable organic compounds.

Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation Vapour concentrations above 500 ppm are irritating to the nose and throat. May cause central nervous system depression. Odour threshold 200-400 p.p.m.

Ingestion Moderate irritant. Practically non toxic. Oral LD50 (rat) 5800 - 8500 mg/kg. Upon aspiration into the lungs, lung injury may occur.

Skin Mildly irritating to the skin. Signs of irritation include redness, itchiness and eventually cracking of the skin. Irritation usually only occurs after prolonged, repeated skin contact and is due to the de-fatting effect on the skin of the product. May lead to the onset of dermatitis. Dermal LD50 (rabbit) 20 g/kg. Practically non toxic. Skin irritation (rabbit): 0.5 - 3.0 on a scale of 8.0, slightly irritating.

Eye Irritating to the eyes. Signs of irritation include redness, soreness and tear production. Eye irritation (rabbit): 25 - 50 on a scale of 110, moderately irritating.

Chronic Effects Skin irritation may occur after prolonged, repeated skin contact and is due to the de-fatting effect on the skin of the product. May lead to the onset of dermatitis.

Reproductive Toxicity This product is not regarded as being toxic to the unborn foetus.

Mutagenicity This product is not regarded as a mutagen.

Carcinogenicity This product is not regarded as a carcinogen.

12. ECOLOGICAL INFORMATION

Short Summary of Assessment of Environmental Impact Acetone released to the atmosphere is degraded by a combination of photolysis and reaction with hydroxyl radicals. The average half-life for acetone degradation in the atmosphere is approximately 30 days. Acetone can be physically removed from air by wet deposition. The dominant degradation process for acetone in soil and water is biodegradation, and acetone is readily biodegradable. Volatilization of acetone from the aquatic environment can be a significant transport process. Acetone is a volatile compound that will evaporate from dry surfaces. Since

acetone is miscible in water, it can leach readily in most types of soil. Concurrent biodegradation may diminish the general significance of leaching if biodegradation occurs fast enough. Fish toxicity (rainbow trout, goldfish, bluegill): LC50 (96 hr): 5000-13000 mg/L.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Refer to the section headed Product Disposal.

Product Disposal Dispose of large amounts in a suitable chemical dump (check the local statutory requirements).

Container Disposal Empty containers may be recycled. Note: empty containers are still classified as dangerous goods until they have been recycled through an approved drum recycling facility.

14. TRANSPORT INFORMATION

Transport Information For road and rail transport within Australia, transport according to the ACTDG. For maritime transport, transport according to the IMDG Code.

U.N. Number 1090

Proper Shipping Name ACETONE

DG Class 3

Hazchem Code 2[Y]E

Packaging Method 3.8.3RT1

Packing Group II

EPG Number 3A1

IERG Number 14

IMO Marine Pollutant Not classified by IMO to be a marine pollutant.

IMDG - Page: 46 (2008 Edition)

IMDG EMS F-E, S-D

15. REGULATORY INFORMATION

Regulatory Information HAZARDOUS SUBSTANCE.
SCHEDULED POISON.

Classified as Hazardous according to criteria of National

Occupational Health & Safety Commission, Australia (NOHSC).
Classified as a Scheduled Poison according to the Standard
for the Uniform Scheduling of Medicines and Poisons
(SUSMP).

**Poisons
Schedule** S5

Hazard Category Irritant, Highly Flammable

**AICS
(Australia)** Acetone (2-Propanone) is listed on AICS.

16. OTHER INFORMATION

**Contact
Person/Point** Technical Manager (07) 3390 5044

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Print Date: 17/01/2014

BS: 1.15.1