

Material Safety Data Sheet

Infosafe No™ 5APG1 Issue Date : June 2015 Status : ISSUED

Product Name **SEPTONE ACETONE**

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name SEPTONE ACETONE
Product Code ASA500, ASA1, ASA4, ASA20
Company Name ITW AAMTech (ABN 63 004 235 063)
Address 1-9 NINA LINK DANDENONG SOUTH
VIC 3175 AUSTRALIA
Emergency Tel. 1800 638 556
Telephone/Fax Number Tel: 1800 177 989
Fax: +61 2 9725 4698
Email info@aamtech.com.au
Recommended Use Cleaning Solvent
Other Information Website: www.aamtech.com.au
*
Email: info@aamtech.com.au
*
New Zealand
2/38 Trugood Drive, East Tamaki, Auckland
Tel: 0800 438 996

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
Flammable Liquids: Category 2
Eye Damage/Irritation: Category 2A
STOT Single Exposure Category 3
Risk Phrase(s) Classified as hazardous
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) S1/2 Keep locked up and out of reach of children.
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.
S9 Keep container in a well ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid
Ingredients

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Acetone	67-64-1	100 %

4. FIRST AID MEASURES

Inhalation Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.
Ingestion Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Seek immediate medical assistance.
Skin If skin contact occurs, remove contaminated clothing and wash skin with running water. If irritation occurs seek

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Eye medical advice.
If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes.

Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Alcohol resistant foam is the preferred firefighting medium but, if it is not available, fine water spray or water fog can be used.

Specific Methods On burning will emit toxic fumes. Keep containers cool with water spray. If safe to do so, remove containers from path of fire. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.

Specific Hazards Highly flammable liquid. May form flammable vapour mixtures with air. Avoid all ignition sources. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area. Do NOT smoke. Flameproof equipment is necessary in all areas where this chemical is being used. Nearby equipment must be earthed. Vapour may travel a considerable distance to source of ignition and flash back.

Hazchem Code 2[Y]E

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Shut off all possible sources of ignition. Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

Methods and Materials for Containment and Clean Up Procedures Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contact and breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material).

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid skin and eye contact and breathing in vapour.

Conditions for Safe Storage Store in a cool, dry, well ventilated place and out of direct sunlight. Store away from sources of heat or ignition. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for leaks.

Storage Regulations This product is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
Biological Limit Values	Acetone			1185	500	
Engineering Controls	Biological Exposure Index (Acetone):	Acetone in urine = 50 mg/L (end of shift)				
Respiratory Protection		Ensure ventilation is adequate to maintain air concentrations below Workplace Exposure Standards. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use. Organic vapour/particulate respirator.				

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Eye Protection Chemical goggles.
Hand Protection Impervious gloves.
Body Protection Overalls.
Other Information The selection of PPE is dependent on a detailed risk assessment arising from the work situation, the physical form of the chemical, the handling methods, and environmental factors.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid
Appearance Clear Colourless Liquid
Odour Sweet
Boiling Point 57°C
Solubility in Water Soluble
Specific Gravity 0.791 @20°C
Vapour Pressure 180 mm Hg
Vapour Density (Air=1) 2.0
Evaporation Rate 6 (n-Butyl acetate = 1)
Viscosity 0.303 cPs @25°C
Volatile Component 100% v/v
Flash Point -17C (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.
Auto-Ignition Temperature 465 °C
Flammable Limits - Lower 2.6% v/v in air
Flammable Limits - Upper 12.8% v/v in air

10. STABILITY AND REACTIVITY

Chemical Stability Stable under normal conditions of use. 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, strong alkalis, bromine, and mineral acids.
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. Breathing in vapour can result in headaches, dizziness, drowsiness, and possible nausea. Breathing in high concentrations can produce central nervous system depression, which can lead to loss of co-ordination, impaired judgement and if exposure is prolonged, unconsciousness. Odour threshold

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Ingestion	200-400 p.p.m. Swallowing can result in nausea, vomiting and central nervous system depression. If the victim is showing signs of central system depression (like those of drunkenness) there is greater likelihood of the patient breathing in vomit and causing damage to the lungs. Breathing in vomit may lead to aspiration pneumonia (inflammation of the lung).
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.
Eye	An eye irritant. Signs of irritation include redness, soreness and tear production.
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.
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13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for incineration by an approved agent. Empty containers remain classified as Dangerous Goods until all traces of product have been removed.
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14. TRANSPORT INFORMATION

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
IMDG UN No	1090
IMDG Description	Acetone
IMDG Hazard Class	3
IMDG Pack. Group	II

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IMDG EMS F-E, S-D

**IMDG Marine
Pollutant (MP)** No

15. REGULATORY INFORMATION

**Regulatory
Information** Classified as hazardous
HAZARDOUS SUBSTANCE.
SCHEDULED POISON.

Poisons Schedule 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).
S5

**National and or
International
Regulatory
Information** NZ HSN0 Hazard Classification 3.1B; 6.1E; 6.3B; 6.4A
Approval Code: HSR001070

Hazard Category Irritant, Highly Flammable

AICS (Australia) Listed

16. OTHER INFORMATION

Contact Person/Point Australia:
24 HOUR EMERGENCY CONTACT (ACOHs Pty Ltd): 1 800 638 556
Poisons Information Centre (Australia): 13 11 26
New Zealand:
24 HOUR EMERGENCY CONTACT (ACOHs Pty Ltd): 0800 154 666
NZ National Poisons Centre (24 Hour): 0800 764 766
DISCLAIMER:

This Material Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As ITW AAMTech cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.

Data sheets from unauthorised sources may contain information that is no longer current or accurate.

This MSDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact ITW AAMTech to ensure they are in possession of the latest version.

Literature References

Safe Work Australia: Hazardous Substances Information System. Hazard Classification, Risk and Safety Phrases and Exposure Standards information. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)]

Approved Criteria for Classifying Hazardous Substances, 3rd Edition [NOHSC:1008(2004)]

Australian Code for the Transport of Dangerous Goods by Road and Rail.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations.

New Zealand Toxic Substances Regulations 1983.

International Maritime Dangerous Goods Code.

International Air Transport Association Dangerous Goods Regulations. Standard for the Uniform Scheduling of Drugs and Poisons - National Drugs & Poison Schedule Committee. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC: 2011 (2003)]

Approved Criteria for Classifying Hazardous Substances, 3rd Edition [NOHSC: 1008 (2004)] Australian Code for the Transport of Dangerous Goods by Road and Rail. International Maritime Dangerous Goods Code. User Guide to the HSN0 Control Regulations

ERMA New Zealand User Guide to the HSN0 Thresholds and Classifications ERMA

New Zealand Globally Harmonised System of Classification and Labelling of

Chemicals, ST/SG/AC.10/30, United Nations 2003

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Signature of ams

Preparer/Data

Service

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