

Safety Data Sheet

Infosafe No™ 5APG1 Issue Date : March 2017 Status : ISSUED

Product Name **SEPTONE ACETONE**

Classified as hazardous

1. Identification

GHS Product Identifier 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
Telephone/Fax Number Tel: 1800 177 989
Fax: +61 2 9725 4698
Emergency phone number 1800 638 556
E-mail Address info@aamtech.com.au
Recommended use of the chemical and restrictions on use Cleaning Solvent
Other Information Website: www.aamtech.com.au
*
Email: info@aamtech.com.au
*
New Zealand
Autoserv NZ Ltd
2/38 Trugood Drive, East Tamaki, Auckland
Tel: 0800 438 996
Email: warehouse@autoserv.co.nz

2. Hazard Identification

GHS classification of the substance/mixture Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals GHS
Flammable Liquids: Category 2
Eye Damage/Irritation: Category 2A
STOT Single Exposure Category 3

Signal Word (s) DANGER

Hazard Statement (s) H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
AUH066 Repeated exposure may cause skin dryness or cracking.

Pictogram (s) Flame, Exclamation mark



Precautionary statement – Prevention

Keep away from heat, sparks, open flames and hot surfaces. No smoking.
Keep container tightly closed.
Ground container and receiving equipment.
Use explosion-proof electrical, ventilating and lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Avoid breathing mist, vapours or spray.
Wash hands thoroughly after handling.
Use only outdoors or in a well-ventilated area.

Precautionary statement – Response

Wear protective gloves, protective clothing and eye protection.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use extinguishing media as outlined in Section 5 of this Safety Data Sheet to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. If eye irritation persists: Get medical advice/attention.

Safety Data Sheet

| | | |
|--------------------|-------------------------|-----------------|
| Infosafe No™ 5APG1 | Issue Date : March 2017 | Status : ISSUED |
|--------------------|-------------------------|-----------------|

Product Name **SEPTONE ACETONE**

Classified as hazardous

| | |
|---|--|
| Precautionary statement – Storage | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Precautionary statement – Disposal | Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local and national regulations. |

3. Composition/information on ingredients

| Ingredients | Name | CAS | Proportion |
|-------------|---------|---------|------------|
| | 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 medical advice. |
| Eye contact | 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. |
| Unsuitable Extinguishing Media | Full water jets |
| 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 arising from the chemical | 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 |
| Precautions in connection with Fire | Mixtures with 4% acetone mixed with 96% water still have a flash point of 54 °C. |

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 cleaning up | 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. In case of spills of large quantities: Dam spills and pump to remove. Explosion protection required. Absorb leftover product with non-flammable liquid-binding material (e.g. earth, sand, vermiculite) and place in closed containers for disposal. Flowing water: Dilution occurs quickly. In case of large spills/leaks inform appropriate authorities. Standing water: Seal off. Remove all sources of ignition. |

Safety Data Sheet

Infosafe No™ 5APG1 Issue Date : March 2017 Status : ISSUED

Product Name **SEPTONE ACETONE**

Classified as hazardous

*
Liquid: Very highly flammable. Liquid evaporates very quickly.
Vapours: Very highly flammable.
Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited.
Where acetone spills to waterways, potentially explosive mixtures with air may form above water surfaces.

7. Handling and storage

Precautions for Safe Handling Avoid skin and eye contact and breathing in vapour.
Exposure to temperatures exceeding 50 °C will increase pressure within containers: resulting in danger of bursting or explosion. Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharge. Beware of reignition. Potentially explosive mixture may form within partially empty containers. Emergency cooling must be provided for in case of a fire in the vicinity. Do not weld.

Conditions for safe storage, including any incompatibilities 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.
Steel, stainless steel, and aluminium are stable container materials. Copper may be attacked.
Unsuitable container/equipment material: May attack plastics.

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

| Occupational exposure limit values | Name | STEL | | TWA | | Footnote |
|---|---|-------|-----|-------|-----|----------|
| | | mg/m3 | ppm | mg/m3 | ppm | |
| Biological Limit Values | Acetone | | | 1185 | 500 | |
| Appropriate 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. Explosion protection required. | | | | | |
| Eye Protection | Organic vapour/particulate respirator with AX type filter. | | | | | |
| Hand Protection | Chemical goggles. | | | | | |
| Body Protection | Butyl rubber gloves, layer thickness ≥ 0.5 mm. Breakthrough time: >480 min. | | | | | |
| Hygiene Measures | Use solvent-resistant protective clothing. Recommendation: Flame-retardant protective clothing, antistatic. Safety shoes. | | | | | |
| Other Information | Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Have eye wash bottle or eye rinse ready at work place | | | | | |
| | 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

Safety Data Sheet

| | | |
|--------------------|-------------------------|-----------------|
| Infosafe No™ 5APG1 | Issue Date : March 2017 | Status : ISSUED |
|--------------------|-------------------------|-----------------|

Product Name **SEPTONE ACETONE**

Classified as hazardous

| | |
|----------------------------------|---|
| Vapour Density (Air=1) | 2.0 |
| Evaporation Rate | 6 (n-Butyl acetate = 1) |
| Viscosity | 0.303 cPs @25°C |
| Volatile Component | 100% v/v |
| Surface Tension | The surface tension of pure acetone at 20 °C is 23.3 mN/m. |
| 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

| | |
|---|---|
| Reactivity | Acetone reacts in presence of bases. Vapours form potentially explosive mixtures with air. Heavier than air, they proceed at floor level and may backflash over great distances when ignited. May become electrostatically charged. |
| Chemical Stability | Stable under normal conditions of use. Considered stable to heat and light. |
| Conditions to Avoid | Highly flammable. Concentrated vapours are heavier than air. Forms explosive mixtures with air, also in empty, uncleaned containers. |
| Incompatible Materials | Attacks many plastics and rubbers. On contact with barium hydroxide, sodium hydroxide and many other alkaline materials condensation may occur. Avoid contact with strong oxidizing agents, alkalis and amines. |
| Hazardous Decomposition Products | During combustion, this product may produce carbon monoxide and other unidentifiable organic compounds. |
| Hazardous Polymerization | Will not occur. |

11. Toxicological Information

| | |
|------------------------|---|
| Ingestion | 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). |
| 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 200-400 p.p.m. |
| 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. |
| Carcinogenicity | This product is not regarded as a carcinogen. |

Safety Data Sheet

| | | |
|--------------------|-------------------------|-----------------|
| Infosafe No™ 5APG1 | Issue Date : March 2017 | Status : ISSUED |
|--------------------|-------------------------|-----------------|

Product Name **SEPTONE ACETONE**

Classified as hazardous

| | |
|------------------------------|---|
| Reproductive Toxicity | This product is not regarded as being toxic to the unborn foetus. |
| 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. |
| Mutagenicity | This product is not regarded as a mutagen |

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. * |
| Acute Toxicity - Fish | 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

| | |
|--------------------------------|--|
| 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. |
|--------------------------------|--|

14. Transport information

| | |
|-----------------------------------|----------|
| U.N. Number | 1090 |
| UN proper shipping name | ACETONE |
| Transport hazard class(es) | 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 |
| IMDG EMS | F-E, S-D |

15. Regulatory information

| | |
|---|--|
| Poisons Schedule | 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 |

Safety Data Sheet

infosafe
CS: 1.9.605

Page: 6 of 6

Infosafe No™ 5APG1

Issue Date : March 2017

Status : ISSUED

Product Name **SEPTONE ACETONE**

Classified as hazardous

16. Other Information

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 HSNO Control Regulations ERMA New Zealand User Guide to the HSNO Thresholds and Classifications ERMA New Zealand Globally Harmonised System of Classification and Labelling of Chemicals, ST/SG/AC.10/30, United Nations 2003

Contact Person/Point

Australia:
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 1 800 638 556
Poisons Information Centre (Australia): 13 11 26
New Zealand:
24 HOUR EMERGENCY CONTACT (Chemical Safety International): 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.

ams

Signature of Preparer/Data Service

...End Of MSDS...

© Copyright Chemical Safety International Pty Ltd

Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed is the intellectual property of Chemical Safety International Pty Ltd. The compilation of MSDS's displayed is the intellectual property of Chemical Safety International Pty Ltd.

Copying of any MSDS displayed is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Chemical Safety International Pty Ltd.