



Issue: 2
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Manufacturers & Wholesalers of:

**S U P E R I O R A U T O M O T I V E D E T A I L I N G &
I N D U S T R I A L M A I N T E N A N C E P R O D U C T S**

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name: **ACETONE**
Supplier: Sunmarine Detailing A Division Of Omikron Australasia Pty. Ltd, 5 Carrington Rd, Marrickville, NSW 2204
Telephone No: (02) 9559-2233
Fax No.: (02) 9559-3366
Email: admin@omikron.com.au
Website: www.omikron.com.au
Product Use: Heavy Duty Solvent based cleaner.

2. HAZARDS IDENTIFICATION

Hazard Classification: **HAZARDOUS ACCORDING TO CRITERIA OF NOHSC**

R-Phrases: R11: Highly flammable, R36: Irritating to eyes.
S-Phrases: S23: Do not breathe vapours, S24: Avoid contact with skin, S25: Avoid contact with eyes, S26: In case of contact with eyes rinse immediately with plenty of water and seek medical advice, S16: Keep away from sources of ignition, S9: Keep container in a well ventilated place.
Ingestion: Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek immediate medical assistance.
Eye Contact: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Seek immediate medical assistance.
Skin Contact: Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.
Inhalation: Remove victim from exposure and 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 covered. If breathing labored and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No. | Volume % |
|---------------|---------|----------|
| Acetone | 67-64-1 | 100% |

4. FIRST AID MEASURES

| | |
|---------------|---|
| Ingestion: | Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek immediate medical assistance. |
| Eye Contact: | Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Seek immediate medical assistance. |
| Skin Contact: | Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice. |
| Inhalation: | Remove victim from exposure and 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 covered. If breathing labored and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In event of cardiac arrest, apply external cardiac massage. Seek immediate medical advice. |

5. FIRE FIGHTING MEASURES

Specific Hazards: Highly flammable liquid. May form flammable vapour mixtures with air. Avoid all ignition sources. Flame proof equipment necessary in area where this is being used. Nearby equipment must be earthed.

Fire Fighting Advice: Highly flammable liquid. On burning will emit toxic fumes including those of carbon monoxide and carbon dioxide. Heating can cause expansion or decomposition leading to violent rupture of containers. If safe to do so, remove containers from path of fire. Keep containers cool with water spray. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or products of combustion.

Suitable Extinguishing Method: Water fog or if unavailable fine water spray, foam, dry agent (carbon dioxide, dry chemical powder)

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:

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

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

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.

Precautions for safe handling:

Avoid skin and eye contact and breathing in vapour. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Acetone: 8hr TWA = 1185 mg/m³ (500 ppm), 15 min STEL = 2375 mg/m³ (1000 ppm)

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering controls:

Ensure ventilation is adequate to maintain air concentrations below 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.

Personal Protective Equipment:

The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors. Wear overalls, chemical goggles and impervious gloves. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator or air supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL/CHEMICAL PROPERTIES.

Physical state: Clear Liquid

Colour: Colourless

Odour: Characteristic , Sweet

Solubility: Miscible in water.

Specific Gravity: 0.791 @20°C

Relative Vapour Density (air=1): 2.0

Vapour Pressure (20 °C): 180 mm Hg

Flash Point (°C): -17 (CC)

Flammability Limits (%): 2.15-13

Autoignition Temperature (°C): 465

Boiling Point/Range (°C): 56

pH: Not available

Viscosity: 0.303 cPs @25°C

Evaporation Rate: 6 (n-Butyl acetate = 1)

10. STABILITY/REACTIVITY

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: Avoid exposure to heat, sources of ignition, and open flame.

Incompatible materials: Incompatible with strong oxidising agents , strong alkalis , bromine , and mineral acids .

Hazardous decomposition products:

No hazardous decomposition products if stored and handled correctly.

Hazardous reactions: None known..

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

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).

Eye contact: An eye irritant.

Skin contact: Contact with skin may result in irritation. Will have a degreasing action on the skin. Repeated or prolonged skin contact may lead to irritant contact dermatitis.

Inhalation: Material may be irritant to the mucous membranes of the respiratory tract (airways). 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.

Long Term Effects:

A study of 800 workers occupationally exposed to acetone vapours (600-2150 ppm) over an 18 year period revealed no significant adverse effects in exposed compared with unexposed workers.

Toxicological Data: No LD50 data available for the product. For Acetone :

Oral LD50 (rat): 5800-8400 mg/kg

Dermal LD50 (rabbit): 20000 mg/kg

Inhalation LC50 (rat): 32000 ppm/4 hr

SKIN: Slight irritant (rabbit).

EYES: Moderate irritant (rabbit).

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal methods:

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Advise flammable nature. Normally suitable for incineration by an approved agent.

14. TRANSPORT INFORMATION

Classified as **DANGEROUS GOODS** according to criteria of ADG code

UN No: 1090

Class-primary 3 Flammable Liquid

Packing Group: II

Proper Shipping Name: ACETONE

Hazchem Code: - 2YE

Marine Transport

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1090

Class-primary: 3 Flammable Liquid

Packing Group: II

Proper Shipping Name: ACETONE

IMDG EMS Fire: F-E

IMDG EMS Spill: S-D

Air Transport

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1090

Class-primary: 3 Flammable Liquid

Packing Group: II

Proper Shipping Name: ACETONE

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of Safe Work Australia; HAZARDOUS SUBSTANCE.

Hazard Category: Xi: Irritant

Risk Phrase(s): R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

Safety Phrase(s): S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe vapour/mist/aerosol.

S25: Avoid contact with eyes.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S29: Do not empty into drains.

S33: Take precautionary measures against static discharges.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Poisons Schedule: S5 Caution.

All the constituents of this material are listed on the Australian Inventory of Chemical Substances

16. OTHER INFORMATION

Any advice, recommendations, information, assistance or service provided by Omikron Australasia P/L Products in relation to the goods supplied or their use or application is given in good faith and believed to be appropriate and reliable. Omikron Australasia P/L can not be held responsible for any misuse of this product. The customer accepts full responsibility and risks for use of the goods alone or in combination with other products. All warranties or conditions other than those expressly stated whether implied by statute, common law, custom of trade or otherwise, are to the extent that laws permits are expressly excluded.

CONTACT POINT

Organization:

Phone:

Contact:

Poisons Information Centre – Australia Wide

131 126

Omikron Australasia P/L

(02) 9559-2233

Charlie Cartisano or Gregory Totten

Fire Brigade

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Police

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END OF MSDS