

# Material Safety Data Sheet

## 1. STATEMENT OF HAZARDOUS NATURE, PRODUCT AND COMPANY IDENTIFICATION

Hazardous according to criteria of the National Occupational Health and Safety Commission (NOHSC).

Hazardous according to Worksafe Australia Criteria.

AEROSOL Flammable Gas Class 2.1 Classified by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

**PRODUCT NAME: BATTERY CLEANER & PROTECTOR - Misty**

Synonyms: None

CAS-No: none allocated

Molecular formula: none allocated complex mixture.

Recommended use: As a battery cleaner and protector.

Appearance: Bright Red film when applied.

Supplier: Minehan Agencies Pty Ltd

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL ENTITY	CAS No	PROPORTION W/V %
PROPANE	74-98-6	10-30
ISOBUTANE	75-28-5	10-30

Other ingredients are either non hazardous or may be present as impurities to 100%

PROPORTION (% volume per volume): V HIGH >60, HIGH 30-60, MED 10-29, LOW 1-9, V LOW <1.

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Product name MISTY BATTERY CLEANER & PROTECTOR-AEROSOL

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Version: Initial

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### 3. HAZARDS IDENTIFICATION

Approved Criteria classification	Hazardous
Correct shipping name	AEROSOL
ADG Classification	FLAMMABLE GAS CLASS 2.1
UNNo	1950
Colour	BRIGHT RED FILM WHEN APPLIED
Physical Description	AEROSOL
Odour	Faint ammoniacal

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

#### Acute Effects

**Ingestion:** Swallowing can result in intoxication, nausea, vomiting, diarrhoea and severe abdominal pain.

**Eye contact:** Irritating to eye/s.

**Skin contact:** If soreness or redness occurs, wash hands with soap and water. Check to see that protective gear is functioning without leaks. Seek medical assistance if symptoms persist.

**Inhalation:** Mists or aerosols must not be inhaled.

#### Long Term Effects:

There are no known long term hazards when used according to the label and this MSDS.

### 4. FIRST AID MEASURES

Poison Information Centres in each State capital city can provide additional assistance for Scheduled Poisons: Phone (Australia 13 1126)

**Ingestion:** Immediately rinse mouth with water. Do NOT induce vomiting. Seek medical assistance if symptoms persist.

**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. If present remove contact lenses. Transport to hospital or medical centre if symptoms persist.

**Skin contact:** Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and launder before re-use.

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If swelling, redness, blistering, or irritation occurs seek medical advice.

**Inhalation:** Remove victim from 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. Seek medical advice if symptoms persist.

**Notes to physician:** Treat symptomatically. Mildly alkaline – concentrate pH=11.0.

### 5. FIRE FIGHTING MEASURES

**Specific hazards:** FLAMMABLE GAS Class 2.1 use water or CO<sub>2</sub> to extinguish fires.

**Fire fighting further advice:** FLAMMABLE GAS KEEP BELOW 50°C. On burning may emit fumes including carbon monoxide, carbon dioxide, oxides of nitrogen and partially burned hydrocarbons. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

**Suitable extinguishing media:** If material is involved in a major fire use: water fog (or if unavailable fine water spray) to keep drums cool. Use, foam, dry agent (carbon dioxide, dry chemical powder) to extinguish fires as required by flammable combustible components involved in the fire.

### 6. ACCIDENTAL RELEASE MEASURES

Wear full protective equipment to prevent contact with product. Contain- prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers for disposal. Wash area down with excess water. If contamination of sewers or waterways has occurred, advise local emergency services.

### 7. HANDLING AND STORAGE

Storage: Store according to local, State or Federal regulations as applicable, for an AEROSOL FLAMMABLE GAS CLASS 2.1. Store in a cool, dry place and out of direct sunlight and below 50°C. Store away from foodstuffs. Handle using good industrial hygiene practices. Do NOT cut or weld containers.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### National occupational exposure limits

No value assigned for this specific material by the National Occupational Health and Safety commission (NOHSC). Use TWA of 10 ppm as a maximum.

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As published by the National Health and Safety commission (NOHSC).

Exposure Standard (TWA) is the time –weighted average airborne concentration over an eight hour working day, for a five day week over an entire working life. According to current knowledge these concentrations 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. 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 measures:** Ensure ventilation is adequate and that air concentrations of components and reaction products are controlled below quoted Exposure Standards and below any flammability/explosive limits. Use with local exhaust ventilation. Do NOT enter confined spaces where vapour may have collected. Do not smoke and keep flame or sparks away while in use. Turn off engines when treating battery.

**Personal protection equipment:** Avoid breathing vapours. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. If risk of inhalation of spray mist exists, wear combined organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Red film with mild ammoniacal odour when being applied.

**Solubility:** Insoluble in water.

<b>Specific gravity Material (20°C)</b>	<b>: 1.040</b>
<b>Melting point ( C )</b>	<b>: Not applicable</b>
<b>Rel. Vapour density (air=1)</b>	<b>: 1</b>
<b>Boiling Point ( C )</b>	<b>: not determined.</b>
<b>Vapour Pressure (20°C) mm Hg</b>	<b>: not determined.</b>
<b>Decomposition Point (C)</b>	<b>:Not available</b>
<b>Flash Point (°C)</b>	<b>: below ambient temperature</b>
<b>Flammability Limits (%)</b>	<b>: not determined</b>

Autoignition temp (°C) : Not available.

% Volatile by volume : Not available      Evaporation Rate (Butyl acetate = 1) <1

### 10. STABILITY AND REACTIVITY

Stability: Stable to 50 degrees C. Does not polymerise.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity / Chronic toxicity  
No LD50 data available for the product.

### 12. ECOLOGICAL INFORMATION

To help protect the environment there are **no added phosphates**.

### 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Do not allow to enter sewer or septic systems.

### 14. TRANSPORTATION INFORMATION

Classified as AEROSOL FLAMMABLE CLASS 2.1 by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

UNNo: 1950

Class: 2.1

Hazchem code:

Packing group: AEROSOL

Proper Shipping Name: AEROSOL FLAMMABLE GAS CLASS 2.1

#### **Segregation Dangerous Goods:**

Not to be loaded with food packaging, foodstuffs and foodstuff empties, oxidising agents or acids.

### 15. REGULATORY INFORMATION

Hazardous according to criteria of National occupational Health and Safety commission (NOHSC)

Classified as AEROSOL FLAMMABLE Class 2.1 by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by road or rail.

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### RISK FLAMMABLE

**Risk-phrases:**

Risk of fire.

**Safety-phrases:**

Keep locked up and out of reach of children.

In case of contact with eye/s, rinse immediately with plenty of water and seek medical advice.

Wear suitable gloves and eye/face protection

Do not inhale vapours during application.

Keep in a cool place.

Keep away from sources of ignition.

In case of accident or if you feel unwell, seek medical advice immediately (Show the label wherever possible).

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

<b>16. OTHER INFORMATION</b>
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Literary reference:

Approved Criteria for Classifying Hazardous substances [NOHSC:1008(1999)]

Australian Code for the preparation of Material Safety Data Sheets

Exposure standards for atmospheric contaminants in the occupational environment:

Guidance note [NOHSC:3008(1995)] National Exposure Standards [NOHSC:1003(1995)]

List of designated hazardous substances [NOHSC:10005(1999)].

Standard for the Uniform Scheduling of Drugs and Poison No 17.

The Australian Code for the Transport of Dangerous Goods by Road and Rail. EDITION 6

Reason(s) For Issue; FIRST ISSUE - PRIMARY MSDS.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Minehan Agencies Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace i.e. a risk analysis.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Minehan Agencies Pty Ltd.