

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: **Battricare**
 Supplier: MMP-International, Division
 of ITW Ltd.
 Brunel Close, Park Farm
 Ind Est,
 Wellingborough, Northants,
 NN8 6QX

Emergency telephone number: +44 (0) 1933 670870
 Fax No: +44 (0) 1933 670800

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation

| Chemical Name | CAS-No | EEC-No | Class | Weight % |
|----------------------|------------|--------------|---------|----------|
| ODOURLESS KEROSENE | 64742-96-7 | | Xn; R65 | 30-60 |
| BUTANE | 106-97-8 | 601-004-00-0 | F+; R12 | 5-10 |
| 1-METHOXY-2-PROPANOL | 107-98-2 | 603-064-00-3 | R10 | 1-5 |
| PROPANE | 74-98-6 | 601-003-00-5 | F+; R12 | 10-30 |

3. HAZARDS IDENTIFICATION

Most important hazards: Extremely flammable.
 Specific hazards Irritating to eyes, Irritating to skin slightly.

4. FIRST AID MEASURES

Inhalation: Move to fresh air, Consult a physician after significant exposure.
 Skin contact: Remove immediately adhering matter. Wash off immediately with soap and plenty of water, If skin irritation persists, call a physician.
 Eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Ingestion: Call a physician immediately, Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: alcohol-resistant foam, Carbon Dioxide (CO₂), dry powder, Water spray.
 Specific hazards: In case of fire and/or explosion do not breathe fumes.
 Special protective equipment for firefighters: In case of fire, wear a self contained breathing apparatus, protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not breath vapours or spray mist.
 Environmental precautions: Do not let product enter drains.
 Methods for cleaning up: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Transfer to covered steel drums.

7. HANDLING AND STORAGE

Handling: Use only in well-ventilated areas. Keep away from heat and sources of ignition.
 Storage: Keep containers tightly closed in a cool, well-ventilated place. Keep away from sources of ignition - No smoking.

Product name: **Battricare****8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name: National occupational exposure limits (Ref: British COSHH - EH40):

| | |
|----------------------|-------------------|
| ODOURLESS KEROSENE | no data available |
| BUTANE | 600ppm |
| 1-METHOXY-2-PROPANOL | 100ppm |
| PROPANE | Asphyxiant |

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas..

- Respiratory protection: Breathing apparatus with filter.
- Hand protection: gloves 9 (Advice should be sought on the type of gloves) .
- Eye protection: safety glasses.
- Skin and body protection: protective suit.

Hygiene measures:

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | | | | |
|----------------------------|-----------------------|---------------------------------|--------|--------|--------------|
| Form: | Aerosol . | Colour: | orange | Odour: | Hydrocarbons |
| pH: | g/l H ₂ O) | N/A | | | |
| Boiling point/range: | | 195 | °C | | |
| Flash point: | | -40 | °C | | |
| Melting point/range: | | <0 | °C | | |
| Autoignition temperature: | | >250 | °C | | |
| Flammability (solid, gas): | | LEL 0.8 (% vol in air at 25°C). | | | |
| Explosive properties: | | None | | | |
| Oxidizing properties: | | None | | | |
| Vapour pressure: | | 2.41 Bar | | | |
| Water solubility | | insoluble | | | |

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions to avoid: Keep away from heat and sources of ignition.

Materials to avoid: oxidizing agents, strong acids, strong bases.

Hazardous decomposition products: Carbon monoxide, Carbon Dioxide (CO₂), nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Components of the product may be absorbed into the body by inhalation, ingestion and through the skin.

Local effects: May be harmful by inhalation, ingestion, skin adsorption. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Sensitization: May cause skin irritation and/or dermatitis.

Long term toxicity: Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Repeated or prolonged exposure: Danger of serious damage to health by prolonged exposure, to the renal / Central nervous system.

12. ECOLOGICAL INFORMATION

Mobility: Do not allow material to contaminate ground water system.

Persistence / degradability: Aquatic toxicity is unlikely due to low solubility.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Contaminated packaging: Empty containers can be landfilled after cleaning, when in compliance with local regulations.

European waste Catalogue No: **08 04 99**

14. TRANSPORT INFORMATION

| | | | |
|-----------------------|---------|-----------|------|
| Proper shipping name: | Aerosol | | |
| UN-No: | 1950 | | |
| ADR/RID Class: | 2 | | |
| | | HI/UN No: | 1950 |
| IMO Class: | 2 | | |
| Proper shipping name: | Aerosol | | |
| ICAO Class: | 2 | UN/ID No: | 1950 |
| Proper shipping name: | Aerosol | | |

15. REGULATORY INFORMATION

Classification according to European directive on classification of hazardous preparations 93/21/EEC

- Contains: PROPANE, BUTANE.
- Symbol(s):



F+

- R -phrase(s): R12 - Extremely flammable.
- S -phrase(s): S2 - Keep out of reach of children. S 9 - Keep container in a well-ventilated place. S16 - Keep away from sources of ignition - No smoking.. S24 - Avoid contact with skin. S33 - Take precautionary measures against static discharges

16. OTHER INFORMATION

Recommended use:

Recommended restrictions:

When used in a mixture, read the labels and safety data sheets of all components.

Revision date: 09/07/2002