Material Safety Data Sheet

Product Name: M1 WD SPRAY, 400 g, AEROSOL

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: M1 WD SPRAY, 400 g, AEROSOL
Company Name: MotorOne Group Pty Ltd
Address: 275 Canterbury Road Canterbury VIC 3126 Australia
Telephone/Fax Number: Tel: (03) 8809 2700 Fax: (03) 9888 6944
Recommended Use: Water displacer

2. HAZARDS IDENTIFICATION

Hazard Classification:
HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s):
R12 Extremely Flammable.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.
R67 Vapours may cause drowsiness and dizziness.

Safety Phrase(s):
S16 Keep away from sources of ignition - No smoking.
S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray.
S24/25 Avoid contact with skin and eyes.
S36/37 Wear suitable protective clothing and gloves.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
S9 Keep container in a well ventilated place.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrocarbon Propellant (LPG)</td>
<td>74-98-6</td>
<td>30-60 %</td>
</tr>
<tr>
<td>- Propane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hydrocarbon Propellant (LPG)</td>
<td>106-97-8</td>
<td>30-60 %</td>
</tr>
<tr>
<td>- Butane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Medium Aliphatic Solvent</td>
<td>64742-88-7</td>
<td>10-&lt;30 %</td>
</tr>
<tr>
<td>Petroleum Solvent</td>
<td>75-09-2</td>
<td>10-&lt;30 %</td>
</tr>
<tr>
<td>Dichloromethane</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Light Aromatic Solvent</td>
<td>64742-95-6</td>
<td>0-&lt;10 %</td>
</tr>
<tr>
<td>Petroleum Solvent</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other ingredients</td>
<td></td>
<td>Balance</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Inhalation: If inhaled, remove the affected person from contaminated area. Apply artificial respiration if not breathing. If symptoms persist seek medical attention.

Ingestion: Do NOT induce vomiting. Wash out mouth and lips thoroughly with water. Seek immediate medical attention.

Skin: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If irritation develops seek medical attention.

Eye: If in eyes, hold eyelids apart and flush the eyes immediately with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.

First Aid Facilities: Eye wash and normal washroom facilities.
5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media
- Foam, carbon dioxide, dry chemical powder, water spray and water fog.

Hazards from Combustion Products
Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and hydrogen chloride.

Specific Hazards
- Extremely flammable. Contents under pressure – cans can explode in a fire.
- Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode. Water spray may be used to keep fire exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures
- Extinguish or remove all sources of ignition and stop leak if safe to do so.
- Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Place inert, non-combustible absorbent material onto spillage. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs inform the local water authorities and EPA in accordance with local regulations. Dispose of waste according to applicable local and national regulations.

7. HANDLING AND STORAGE

Precautions for Safe Handling
- Wear appropriate protective equipment to prevent exposure. Use in designated areas with adequate ventilation. Prevent the creation of vapours or mists in the work atmosphere. Keep cans capped when not in use. Practice good personal hygiene, that is, always wash hands after handling, and before eating, drinking, smoking or using the toilet facilities.

Conditions for Safe Storage
- Store in a cool, dry, well-ventilated area away from sources of ignition, oxidizing agents, acids, bases, foodstuffs, and out of direct sunlight. Inspect regularly for deficiencies such as damage or leaks. No smoking, naked lights, heat or ignition sources. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding or bonding procedures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards
- No value is assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC) Australia, however the available exposure limits on the ingredients as provided by NOHSC are as follows:
  - **Substance**
  - **TWA**
  - **STEL**
  - Butane
    - 800
    - 1900
  - Dichloromethane
    - 50
    - 174

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

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 workday.

No biological limit allocated.

Biological Limit Values

Engineering Controls
- Provide sufficient ventilation to keep airborne levels below exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required. Refer to AS 2430 - Explosive gas atmospheres for further information concerning ventilation requirements.

Respiratory Protection
- If engineering controls are not effective in controlling airborne exposure then a supplied air respirator should be used. For short-term exposure an organic vapour respirator may be acceptable. Final choice of appropriate...
breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection
Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection
Use chemical resistant gloves, eg. laminated film or nitrile. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Tan spray from aerosol can.</td>
</tr>
<tr>
<td>Odour</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Not available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.74 approx</td>
</tr>
<tr>
<td>pH Value</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point</td>
<td>-104°C (Closed cup) (for propellant)</td>
</tr>
<tr>
<td>Flammability</td>
<td>Extremely flammable</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammable Limits - Lower</td>
<td>2.2% (for propellant)</td>
</tr>
<tr>
<td>Flammable Limits - Upper</td>
<td>10.0% (for propellant)</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable under normal conditions of storage and handling.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>Strong oxidising agents.</td>
</tr>
<tr>
<td>Hazardous Decomposition</td>
<td>Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide, carbon dioxide and hydrogen chloride.</td>
</tr>
<tr>
<td>Hazardous Products</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicology Information</td>
<td>No toxicity data is available for this product however the toxicity data for individual ingredients are listed: Butane, pure: LC50 (Inhalation, Rat) : 658,000 mg/m³/4H Dichloromethane:</td>
</tr>
</tbody>
</table>
Material Safety Data Sheet

Product Name: M1 WD SPRAY, 400 g, AEROSOL

LC50 (Inhalation, Rat): 52,000 mg/m³
LC50 (Oral, Rat): 985 mg/kg
LC50 (Oral, Rabbit): 2,000 mg/kg
LC50 (Inhalation, Mouse): 49,100 mg/m³/6H
LC50 (Oral, Mouse): 873 mg/kg

Inhalation
Vapours may cause drowsiness, dizziness and irritation of the nose, throat and respiratory system.

Ingestion
Harmful: may cause lung damage if swallowed. Not a likely source of exposure due to aerosol packaging.

Skin
Can cause irritation in contact with the skin, which can result in redness and itchiness.

Eye
May be irritating to eyes, which may cause tearing, stinging, blurred vision, and redness.

Chronic Effects
Limited evidence of a carcinogenic effect. Chronic exposure or intentional misuse by deliberately concentrating or inhaling contents may be harmful or fatal.

12. ECOLOGICAL INFORMATION

Ecological Information
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Ecotoxicity
Not available

Persistence / Degradability
Not available

Mobility
Not available

Bioaccumulative Potential
Not available

Environ. Protection
Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations
The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations.

14. TRANSPORT INFORMATION

Transport Information
This material is classified as a Class 2.1 (Flammable Gas) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. Dangerous goods of Class 2.1 (Flammable Gas) are incompatible in a placard load with any of the following:
- Class 1, Explosive
- Class 3, Flammable Liquid, if both the Class 2.1 and Class 3 dangerous goods are in bulk
- Class 4.1, Flammable Solid
- Class 4.2, Spontaneously Combustible Substance
- Class 4.3, Dangerous When Wet Substance
- Class 5.1, Oxidising Agent
- Class 5.2, Organic Peroxide
- Class 7, Radioactive Substance

U.N. Number
1950

Proper Shipping Name
AEROSOLS

DG Class
2.1

Packaging Method

Packing Group

Storage and Transport
Store product in a cool place out of direct sunlight. Store away from corrosive products. Store in accordance with Dangerous Goods Regulations and transport in accordance with the ADG Code for Dangerous Goods Class 2.1

EPG Number
2D1

IERG Number
49
15. REGULATORY INFORMATION

Regulatory Information

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule

Not Scheduled

Hazard Category

Harmful, Irritant, Extremely Flammable, Dangerous for the environment

16. OTHER INFORMATION

Date of preparation or last revision of MSDS

MSDS Reviewed: June 2008
Supersedes: December 2002

Contact Person/Point

DISCLAIMER: The company has taken care in compiling this information. No liability is accepted whether direct or indirect from its application since the conditions of final use are outside the Company's control. The end user is obliged to conform to relevant government regulations and/or patent laws applicable in their respective States of Countries.

...End Of MSDS...