MOLYTEC AUSTRALIA, Unit 1, 9 Stee	l St, Capalaba, QLD Australia, 4157
Tel. for Information: (07) 3245 2355	Fax for Information: (07) 3245 2499
Last Updated: February 2011	Page 1 of 3
Material Safety Data Sheet	MOLYTEC ADF Aerosol

Classified as hazardous according to criteria of SWA.

1. Chemical Product / Company Identification

Product Name: Molytec Air Dry Film

Product Type: Molybdenum Disulphide Lubricant Spray

Product Size: 300g Aerosol Part No. M800

Proper Shipping Name: Aerosol UN No.: 1950 DG Class: 2.1 Flammable Gases Sub Risk: Nil Hazchem Code: 2YE Poisons Schedule: n/a

Product Use: Dry Lubricant Spray

Company Details: Molytec Australia P/L 1/9 Steel St Capalaba QLD Australia 4157

Phone: 07 3245 2355 Fax: 07 3245 2499

2. Hazards Identification

Classified as Dangerous according to the Australian Dangerous Goods (ADG) Code.

Hazard Category Xi Irritating

F+ Highly Flammable
Risk Phrases R11 Highly Flammable
R36 Irritating to eyes

Safety Phrases S16 Keep away from sources of ignition- No Smoking

S23 Do not breathe vapours or spray mists
S36 Wear suitable protective clothing
S24/25 Avoid contact with skin and eyes

SUSDP Classification None allocated

ADG Classification Class 2.1- Flammable Gases

UN Number 1950 AEROSOLS

3. Composition and Information on Chemical Ingredients

Chemical Entity CAS No. Conc, % TWA (mg/m³) STEL (mg/m³) Alkanes, C₃₋₄ 68475-59-2 35 Not set Not set Isopropanol 67-63-0 20-50 983 1230 Molybdenum disulphide 1317-33-5 20-50 Not set Not set Exact ratio of components of this commercial product may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

4. First Aid Measures

Swallowed: Do not induce vomiting. Wash mouth with water and seek medical advice.

Eye: Rinse eyes immediately with water for 20 minutes or until the product is removed. Obtain

medical attention immediately. Take special care if exposed person is wearing contact lenses.

Skin: Blot excess liquid. Wash affected areas with mild soap and water. Remove contaminated

clothing.

Inhaled: If irritation has developed, remove to fresh air. If breathing difficulty persists for more than 30

minutes or becomes painful, seek medical advice.

First Aid Facilities: No special facilities required.

ADVICE TO DOCTOR: Refer to First Aid above.

5. Fire Fighting Measures

(See Section 9 Physical and Chemical Properties for Autoignition temp, exposure limits, etc.)

Flash Point: 28°C Tag Closed Cup

Emergency Response

Small Fire Use water spray, dry chemical or CO2

Large Fire -Use water spray and fog

-Fight fire from protected position or use unmanned hose holders or monitor nozzles

-If safe to do so, move undamaged containers from fire area. Do not approach hot containers

-Cool containers with water before handling

-If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

6. Accidental Release Measures

Eliminate all ignition sources (no smoking, flares, sparks or flames) within at least 15m. Isolate area until gas has dispersed. All equipment used when handling the product must be earthed. Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Ventilate the area. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand, or inert, absorbent material. Product is easily contained. May be slippery. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.

Disposal: Review federal, state and local government requirements prior to disposal.

MOLYTEC AUSTRALIA, Unit 1, 9 Stee	l St, Capalaba, QLD Australia, 4157
Tel. for Information: (07) 3245 2355	Fax for Information: (07) 3245 2499
Last Updated: February 2011	Page 2 of 3
Material Safety Data Sheet	MOLYTEC ADF Aerosol

7. Safe Handling Information

Storage: -Store in original containers in approved flameproof area

-DO NOT store in pits, depressions, basements or areas where vapours may be trapped.

-No smoking, naked lights, heat or ignition sources.
-Keep containers securely sealed. Contents under pressure.

-Store away from incompatible materials.

-Store in a cool, dry, well ventilated area in an upright position out of direct sunlight.

-Avoid storage at temperatures higher than 40°C

-Protect containers against physical damage and check regularly for leaks.

8. Exposure Control and Personal Protection

below Exposure Standards. Use with local flameproof exhaust ventilation or while wearing organic vapour respirator. Vapour is heavier than air – prevent concentrations in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Explosive gas

atmospheres may form, for further information refer to AS 2430.

Personal Protection

Respirator Type Where ventilation is not adequate, respiratory protection may be required. An approved organic

vapour respirator should be used. Respiratory protection should comply with AS/NZS 1715 and

AS/NZS 1716

Eye Protection Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident

occurs. Consult AS 1336 & AS/NZ 1337 for information about eye protection.

Glove Type Available information suggests gloves made of nitriles, viton, neoprene or other similar solvent

resistant material. Keep solvent contact to a minimum. For help in selecting suitable gloves

consult AS2161

Clothing Overalls or similar protective clothing. Consult AS 2919 for advice.

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated

clothing and other protective equipment before storing or re-using.

Flammability

Fire Hazards -Heat or damage to containers may release flammable gases

-Containers will explode when heated – ruptured containers will rocket -Released gases may form explosive mixtures with air in confined spaces

-Released gases may travel to source of ignition and flash back

-Organic chemicals may form flammable dust clouds in air; will burn if involved in fire

-Fire may produce irritating, poisonous and/or corrosive gases.

9. Physical and Chemical Properties

Appearance & Odour: Grey coloured liquid in aerosol can with characteristic alcohol odour

Boiling Point: approx 80°C at 100kPa (Main Solvent)

Specific Gravity: Approximately 0.95gl/ml

Solubility in Water: Solvent is soluble, other ingredients are not.

% Volatiles by Vol. Approximately 70% Flash Point: 28 °C Tag Closed Cup

10. Stability and Reactivity

-Vapour is highly flammable

-Severe fire hazard when exposed to heat or flame

-Vapour forms explosive mixture with air

-Vapour may travel considerable distance to source of ignition -Heating may cause expansion with violent container rupture -Aerosol cans may explode on exposure to naked flames

-Rupturing containers may rocket and scatter burning materials

-Hazards may not be restricted to pressure effects

-Organic chemicals may form flammable dust clouds in air; will burn if involved in fire

-May emit acrid, poisonous or corrosive fumes

-On combustion, may emit toxic fumes of carbon monoxide (CO) -Other combustion products include carbon dioxide (CO2)

Conditions to avoid:

See "Safe Handling Information" (Section 7).

11. Toxicological Information

Health Effects Main Solvent:

Swallowed: Irritant to mouth, throat and digestive tract, resulting in nausea and nervous system depression.

Eye: Irritant causing redness, watering and blurred vision.

Skin: Mild irritation to skin, but prolonged or repeated exposure may result in dermatitis.

Inhaled: Irritating to respiratory tract and mucous membranes. High concentration may cause dizziness

to anaesthesia.

MOLYTEC AUSTRALIA, Unit 1, 9 Stee	l St, Capalaba, QLD Australia, 4157
Tel. for Information: (07) 3245 2355	Fax for Information: (07) 3245 2499
Last Updated: February 2011	Page 3 of 3
Material Safety Data Sheet	MOLYTEC ADF Aerosol

12. Ecological Information

Not Available

13. Disposal Considerations

Recommended method of disposal: Dispose of according to Federal, State and local government regulations.

14. Transport Information

Transportation: UN 1950

Class 2YE

Special Provisions: 63, 190, 277

ADG 7 specifies a Limited Quantity value of 1000mL for this class of product.

Packaging Method: P003

Incompatible products: Flammable gases shall <u>not</u> be loaded in the same vehicle or packed in the same

freight container with:
-Class 1 explosives

-Class 3 flammable liquids (where both flammable liquids and gases are in bulk)

-Class 4.1 flammable solids

-Class 4.2 spontaneously combustible substances -Class 4.3 dangerous when wet substances

-Class 5.1 oxidising agents -Class 5.2 organic peroxides -Class 7 radioactive substances

15. Regulatory Information

AICS: All of the significant ingredients in this formulation are compliant with NICNAS regulations.

16. Other Information

Users should verify the currency of this data sheet if more than 5 years old. The information contained in this material safety data sheet is believed to be accurate on the date of issue and in accordance with the information available to us. Persons dealing with products referred to in this MSDS do so at their own risk. We accept no liability whatsoever for damage or injury however caused arising from use of this information or of suggestions contained herein.

POLICE AND FIRE BRIGADE:

DIAL 000

For further safety information contact Denis Brown at MOLYTEC AUSTRALIA on:

Tel: (07) 3245 2355 Fax: (07) 3245 2499

P.O. Box 5357, Alexandra Hills, QLD, Australia, 4161

Disclaimer

The information contained within this MSDS applies only to the MOLYTEC product to which the sheet relates. The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However no warranty is made, either express or implied, regarding its accuracy or any liability arising out of the use of the information herein or the products supplied. When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classification of the hazards has changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers / staff.

END OF DOCUMENT