

MOLYTEC AUSTRALIA, Unit 1, 9 Steel St, Capalaba, QLD Australia, 4157	
Tel. for Information: (07) 3245 2355 Last Updated: February 2011	Fax for Information: (07) 3245 2499 Page 1 of 3
Material Safety Data Sheet	MOLYSLIP Metal Working Spray

NOT Classified as hazardous according to criteria of NOHSC.

1. Chemical Product / Company Identification	
Product Name:	MWS
Product Type:	Metal Working Spray
Product Size:	400ml Aerosol P/No 42004
Product Use:	Lubricant for metal removal operation.

2.* HAZARDS IDENTIFICATION	
Eye contact:	Irritant to eyes.
Skin contact:	Slight skin irritant. Prolonged or repeated contact can cause dermatitis.
Inhalation:	High levels of vapour/mist may cause dizziness. Can cause irritation of respiratory tract.
Ingestion:	Accidental ingestion is an unlikely event.

3.* COMPOSITION/INFORMATION OF INGREDIENTS				
Ingredient Name	Cas No.	Health (Class)	Risk (R.No)	%
Contents				
Aliphatic Hydrocarbon solvent blend	64742-49-0	None	None	25-50
Mineral Oil		None	None	
Non-hazardous ingredients		None	None	
Carbon Dioxide	124-38-9	None	None	1-5

4. FIRST AID MEASURES	
Eye contact:	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. DO NOT use solvents or thinners. If in doubt, seek medical advice.
Inhalation:	Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.
Ingestion:	If accidentally swallowed, obtain immediate medical attention. Keep at rest, DO NOT induce vomiting.

5. FIRE FIGHTING MEASURES	
Extinguish media:	Alcohol resistant foam; Co ₂ ; powder; water spray/mist.
Do not use:	Water jet.
Special fire fighting procedures:	Fire exposed containers should be sprayed with water to lessen risk of explosion.
Unusual fire and explosion hazards:	Thermal degradation will cause evolution of Hydrogen Chloride with small amount of phosgene and chlorine. All these gases are toxic. Phosgene is extremely toxic.

5. ACCIDENTAL RELEASE MEASURE	
Procedures for leaks or spillages:	Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 & 8. Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth, and place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses. Clean preferably with a detergent; avoid the use of solvents if the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

6. HANDLING AND STORAGE	
Handling:	Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapours in the air and avoid vapours concentration higher than the occupational exposure limits. Use only in areas from which all sources of heat, sparks and open flame have been excluded. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of use and storage.
Storage:	Store below 50 ^o C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Observe the label precautions. Store separately from strong oxidizing agents and strongly alkaline and strongly acidic materials.

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8.* EXPOSURE CONTROL/PERSONAL PROTECTION

Ingredient Name	OES/MEL	8hr TWA	15min STEL
Aliphatic Hydrocarbon solvent blend	OES	400ppm	(Sup)
Mineral Oil (mist)	OES	5Mg/M3	10Mg/M3
Carbon Dioxide	OES	5000ppm	15000ppm

Engineering measures:	Provide adequate ventilation to ensure the airborne concentration of substances to which an OES/MEL has been assigned is below that OES/MEL (Occupational Exposure Standard/Maximum Exposure Limit).
Respiratory protection:	Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled below the occupational exposure limit and engineering controls and measures cannot reasonably be improved.
Hand protection:	When skin exposure may occur, advice may be sought from the glove suppliers on appropriate types. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. They should not be applied once exposure has occurred.
Eye protection:	Eye protection designed to protect against liquid splashes should be worn.
Skin protection:	Cotton or cotton/synthetic overalls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9.* PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Aerosol
Appearance:	Green
Odour:	Pine
pH:	N/A
Boiling point/boiling range:	71°C
Melting point/melting range:	<0 °C
Flash point:	N/A °C
Flammability:	LEL 0.9 (% vol. in air @ 25 °C) UEL 8.0
Autoflammability:	> 200 °C
Explosive properties:	None
Oxidizing properties:	None
Can pressure:	4.5 bar
Relative density:	N/A
VOC content:	
Solubility- Water:	Insoluble
Solubility- Solvent:	Soluble in chlorinated hydrocarbons
Other data:	None

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Avoid naked flames, red-hot surfaces, and other high temp. sources that may induce thermal decomposition.
Incompatibility:	Strong acids/alkalis/oxidizing agents/reactive metals e.g. sodium, potassium, (Material Avoid) calcium, magnesium, zinc, barium, lithium, molten or powdered aluminium.
Hazardous Decomposition products:	Hydrogen chloride, Phosgene, Chlorine.

11.* TOXICOLOGICAL INFORMATION

Ingredient:	LD50 (Animal/oral)
Aliphatic Hydrocarbon solvent blend:	>5Kg (Rat)
Mineral Oil:	16g/ Kg (Rat)
There is no data available on the product itself.	
Exposure to organic solvent vapours may result in adverse health effects on the renal and central nervous systems. Symptoms can include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Repeated or prolonged contact with the product may lead to the removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.	

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12.* ECOLOGICAL INFORMATION

There is no data available on the product itself.

The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product. Aliphatic hydrocarbon solvent in this product has low bio-accumulation potential, is not acutely toxic to aquatic organisms and has good biodegradability.

13. DISPOSAL RECOMMENDATIONS

Do not allow into drains or water courses or where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act. Using the information provided in this data sheet, advice should be obtained from the Waste Regulation Authority whether the special waste regulations apply.

14. TRANSPORT INFORMATION

CCCN: 3403 99 90
UN No.: 1950
IMDG: 9022
Class: 9
ICAO/IATA:
RID/ADR:

15.* REGULATORY INFORMATION

Label for supply: Flammable
Risk Phrases: None
Safety Phrases
2: Keep out of reach of children
23: Do not breathe vapour/spray
24/25: Avoid contact with skin and eyes
51: Use only in well ventilated areas
Regulatory references: The Chemicals (Hazard Information and Packaging) Regulations 1994

16. OTHER INFORMATION

The information contained in this data sheet is provided in accordance with the requirements of the Chemical (Hazard Information and Packaging) Regulations. It does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at Work. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of the relevant legislation are complied with. OES/MEL values are obtained from the current issue of EH40 unless indicated thus (Sup) when a value has been obtained from the supplier. Further information and advice can be found in the following publications:

The Control of Substances Hazardous to Health Regulations 1988 (SI 1988:1657)
Storage of Packaged Dangerous Substances, HS (G) 71
EH58 "the carcinogenicity of mineral oils 1990" (an HMSO publication).

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the current state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. For further information contact the office.

POLICE AND FIRE BRIGADE:

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