



MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name	Weld Aid Lubematic	Part Numbers	007060, 007061
Other Names	None allocated		
Recommended Use	Helps feed all mild steel, fabricated and cored wires. Cuts rust and reduces wire drag by 60 %. Excellent for longer distance feeds (>10m)		
Supplier's Name	Independent Wholesale Welding Supply		
Address	Unit 2/170 Power Street, Glendenning, NSW. 2761		
All mail to:	PO Box 284 Doonside NSW 2767		
Telephone	61 2 8834 2400	Facsimile	61 2 8834 2498
Technical Support	61 2 8834 2400	E-mail Address iwws@iwws.net	
Web	www.iwws.net		

2. Hazards Identification

Hazardous Classification

This product is hazardous according to the criteria of the ASCC, is a dangerous goods substance: UN 1593 Class 6 Dichloromethane PG III according to the ADG Code, is a Schedule 5 Poison according to the SUSDP and is listed on the AICS. Is not a flammable or combustible liquid according to AS1940. Crystalline Silica is a Category 1 Carcinogen according to the IARC.

Risk Phrases

Xn, R 20/21/22 Harmful by inhalation, in contact with skin and if swallowed, R 36 Irritating to eyes, R 40 Limited evidence of carcinogenic effect. (Classed by IARC as Category 2b Probable human carcinogen)

Safety Phrases

S (2) Keep out of reach of children, S 23 Do not breathe vapour, S 24/25 Avoid contact with skin and eyes, S 36/37 Wear suitable protective clothing and gloves.

3. Composition Information on Ingredients

Chemical name	CAS Number	Proportion
Dichloromethane	75-09-2	> 85 %
Alky-Aryl Siloxane Copolymer	n.d.	<15%

4. First Aid Measures

4.1 Symptoms of Exposure by Route

ACUTE:

- Ingested** Single dose toxicity is low to moderate. Large doses (over 250 mg/kg) may be fatal. Aspiration of vomitus after ingestion can cause chemical pneumonia and systemic effects.
- Eyes** Liquid or vapour may cause moderate to severe eye irritation and transient corneal injury. Must be promptly removed.
- Skin** Splashed liquid trapped by clothing against the skin is painful and irritating. Prolonged or repeated skin contact may cause severe irritation, defatting of the skin and dermatitis. Absorption through intact skin is possible if contact is prolonged. If absorbed into the body causes adverse systemic effects.
- Inhaled** Major route of exposure. Dichloromethane depresses the central nervous system. Concentrations between 900 - 1 000ppm may cause dizziness. Above 2 000ppm headaches, nausea and vomiting may occur. At 7 000ppm numbness and tingling of the arms and legs may occur. Rapid heart beats have occurred. Unconsciousness and death have occurred at concentrations > 9 000ppm where exposure is prolonged. Carboxyhemoglobin may be elevated by exposures and may cause substantial stress on the cardiovascular system.

4.2 First Aid Instructions

- Ingested** Do not induce vomiting. Rinse mouth out with water. Do not give water to drink unless approved by a Doctor. **Seek urgent medical assistance.** If patient involuntarily vomits encourage to lean forward from the hips to avoid aspirating the vomitus.
- Eyes** Hold eyelids open and flush eyes with clean water for 15 minutes. Hold eyelids open and away from eye to ensure that the inside of the lids are carefully flushed clean. If symptoms persist or corneal damage is present seek prompt medical advice.
- Skin** Remove contaminated clothing (under deluge shower if necessary). Wash affected area for 10 minutes with soap and water. Do not rub hard. Rinse well for a further 5 minutes and pat dry. If symptoms persist seek prompt medical advice
- Inhaled** Remove patient to fresh air. Loosen tight clothing and allow to rest. Treat for shock if required. Rinse mouth and nose with water. Provide artificial respiration if breathing stops. Unless recovery is prompt **seek urgent** medical advice.
- First Aid Facilities** Provide normal industrial first aid facilities including eyewash stations and deluge showers, where appropriate, close to the area where product is in use.

Notes to Physician (for symptoms of over-exposure to this product see above)

Possible symptoms of Chronic Health Effects

Principal routes of exposure are skin contact/absorption and inhalation of vapour. Is stored in body fat and metabolised to carbon monoxide. This reduces the oxygen carrying capacity of the blood. May cause kidney and liver damage (noted in animals but not reported in humans).

Possible aggravated pre-existing conditions

Persons with pre-existing liver or kidney damage should not work with this product.

Suggested treatment for acute symptoms, known antidotes

Provide supportive care and treatment based on the patient's reactions to the exposure. For further information contact the:

POISONS INFORMATION CENTRE 13 11 26

5. Fire Fighting Measures

5.1 Flammability and Explosion Hazards

Liquid is non-flammable. Vapours can be ignited by a high intensity ignition source in an enriched oxygen atmosphere. Vapours are heavier than air and will collect in low-lying places.

5.2 Hazardous Combustion Products

Hydrogen Chloride, Phosgene (Trace only) and Silicon Dioxide

5.3 Suitable Extinguishing Media

Use water delivered as fine spray or fog, foam, carbon dioxide or dry agents. Hazchem Code: 2 Z

5.4 Precautions for Fire Fighters and Special Equipment

Wear full turn out uniform and SCBA. Avoid contact with product or run-off.

6. Accidental Release Measures

6.1 Emergency Procedures – Spills and Leaks (See Section 13 for disposal considerations)

Prevent product entering drains or waterways. Switch off or remove ignition sources. Switch off air conditioners to prevent spread of vapour throughout building. Wear full protective clothing and SCBA. Spread sand, soil or other inert absorbent over pool. When saturated collect into plastic drums or pails. Fit lids, label and place containers in a safe area to await disposal

7. Handling and Storage

7.1 Handling Advice

Wear suitable protective clothing. Avoid bodily contact with product. Incompatible with strong alkalis, oxidisers and reactive materials

7.2 Storage Advice

Store in accordance with AS 4452-97 and local regulations. Keep out of direct sunlight in a well-ventilated area. Do not use aluminium drums for storage in bulk.

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards

An exposure standard for the product has not been set by the ASCC. The standard for the primary ingredient is :

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Methylene Chloride (Dichloromethane) Skin Absorb. Category 2 B (Probable human carcinogen)	174 mg/m ³	n.est.

8.2 Engineering Control Methods

Provide local exhaust fume extractors and ventilators capable of maintaining the workplace below the exposure limit.

8.3 Personal Protective Equipment

Respiratory Protection	Wear Respirator fitted with an organic vapour filter if exposure standards may be exceeded (even for short periods). Wear SCBA in poorly ventilated or confined spaces. Wear SCBA or air-supplied hood for clean up of spills
Gloves	Wear Viton or PVA gloves to AS 2161.
Eye Protection	Unless wearing a full face respirator wear safety glasses with side shields, goggles or full-face shield (where splashes are likely) to AS 1337.
Clothing	Wear Tyvec or cotton coveralls fastened at the neck and wrists. Supplement with acid or waterproof apron as appropriate.

9. Physical and Chemical Properties

Appearance	Clear, colourless liquid	Odour	Mild, sweet odour
Melting Point	n.d.	Boiling Point	39.5°C
Specific Gravity	1.31 @ 25°C	Density	1.32
Flash Point	> 400°C (PMCC)	Flammability Limits	12 - 19 % v/v @ 100°C
Vapour Pressure	46.5 kPa	Vapour Density	2.93
Solubility (H₂O)	Soluble	AS1940 Class	n.a.

Other Properties

Incompatible with strong alkalis, oxidisers and reactive materials. Avoid contact with open flames, electric arcs or other hot surfaces which may cause thermal decomposition.

10. Stability and Reactivity

Under normal conditions of handling and use the product is stable. Avoid contact with incompatibles shown above.

11. Toxicological Information

Oral LDLO Human 367 mg/kg; Skin Rabbit 810 mg/24 h SEVERE, Eye Rabbit 162 mg - moderate irritation.

12. Ecological Considerations

Nature of product and usage suggests that this material is unlikely to pose an environmental threat unless released in massive quantity.

13. Disposal Considerations

Disposal must be in accordance with local regulations for hazardous wastes.

14. Transport Information

Transport as UN 1593 Class 6.1 PG III in accordance with the ADG Code & Regulations, the IMDG Code or the IATA DG Regulations as appropriate to the mode of transport.

15. Regulatory Information

Label in accordance with the ADG Code with the Class 6 Diamond and the Shipping Name: Dichloromethane and UN Number: 1593. Labeling requirements under the *SUSDP* or the "National Code of Practice for the Labeling of Workplace Substance" [ASCC: 2012 (1994)] do not apply to this product as sold.

16. Other Information

Disclaimer

No representative of IWWS any other person has the authority to alter or amend this MSDS or the information contained therein without the prior approval of IWWS management. Any alterations render this document invalid. The information presented in this MSDS is believed by Independent Wholesale Welding Supply to be accurate at the date shown and in accordance with information available to the Company. The circumstances and methods of using, handling, transporting or storing the material are beyond our control and persons using, handling, transporting or storing the product do so at their own risk. Independent Wholesale Welding Supply accept no liability for damage or injury arising from the use of the information contained herein.

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of Issue: 28/11/2006 Preparation of Material Safety Data Sheets 2nd Edition NOHSC: 2011 (2003).

Data Sources used: in the preparation of this MSDS include: "Chempendium" and "MSDS plus Cheminfo" published in CD format by CCOHS Canada 2005 - 4. "TOMES" a CD database published by Micromedex, USA, "Hazardous Properties of Industrial Materials" Van Nostrand Reinhold NY, USA. "List of Designated Hazardous Substances" NOHSC 10005:1999, "National Exposure Standards" NOHSC 1003:1995.

Abbreviations used: n.d = not determined, n.a = not applicable, n.all = not allocated, SUSDP = Standard for the Uniform Scheduling of Drugs and Poisons, ADG = Australian Dangerous Goods Code, IATA = International Air Transport Association, (Dangerous Goods Regulations), IMDG = International Maritime Dangerous Goods (Code), ASCC = Australian Safety and Compensation Council. IARC = International Agency (for) Research (of) Cancer.