MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name	**Wasp Spray-Gal**	**Part Numbers**	**0-109-16**
Other Names	None allocated		
Recommended Use	Aerosol applied formulation which gives a 95% zinc deposit in the finished spraying. An excellent primer that gives maximum protection under all conditions.		
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 DG Substance: UN 1950 Aerosol, class 2.1. The product is exempt from the requirements of the SUSMP, is a flammable and combustible liquid according to AS 1940 and all components are listed on the AICS.

Risk Phrases

R10 Flammable. R20/21 Harmful by inhalation and in contact with skin. R36/37/38 Irritating to eyes, respiratory system and skin. R50 Very toxic to aquatic organisms. R53 May cause long-term adverse effects in the aquatic environment. R60 May impair fertility. R61 May cause harm to the unborn child. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness.

Safety Phrases

S2 Keep out of reach of children. S23 Do not breathe vapour. S24/25 Avoid contact with skin and eyes. S36 Wear suitable protective clothing.

3. Composition Information on Ingredients

Chemical name	CAS Number	Proportion
Zinc Compounds	7440-66-6	30-40%
Propane Blend	74-98-4	20-30%
Acetone	67-64-1	10-20%
Diacetone Alcohol	123-42-2	1-10%
Aliphatic Distillates	8052-41-3	1-10%
Xylene	1330-20-7	1-10%
Toluene	108-88-3	1-10%

4. First Aid Measures

4.1 Symptoms of Exposure by Route

Ingested Not considered a likely incident in industrial circumstances. If willfully ingested will irritate the gastrointestinal tract and have serious adverse effects on the central nervous system. Aspiration of vomitus into the lung may inflict serious damage.

Eyes Will severely irritate the eyes and may enter the body through this route. May cause transient corneal damage.

Skin May irritate the skin. Prolonged or repeated exposures may tend to drying and cracking of the skin. May cause dermatitis.

Inhaled High vapour concentrations may cause dizziness or narcosis. Prolonged or repeated exposures may lead to lung, liver and kidney damage. Willfully concentrating and “sniffing” vapours will lead to irreversible damage to the central nervous system, serious injury to the lung, kidneys and liver. Cases of coma and death have resulted from this practice.

4.2 First Aid Instructions

Ingested Do not induce vomiting unless following medical directions. Rinse mouth out with water. Give two 250ml glasses of water to drink. If symptoms persist seek prompt medical assistance.

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
Prolonged or repeated exposures to high vapour concentration may have adverse effects on the lungs, liver, kidneys and central nervous system. Repeated or prolonged skin exposure leads to de-fatting and dermatitis.

Possible aggravated pre-existing conditions
Persons suffering pre-existing bronchial conditions should exercise particular care not to inhale aerosols or vapour.

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
Vapour or aerosols are highly flammable. Vapour may collect in low-lying areas or travel to an ignition source and flash back to point of origin. Aerosol cans may rupture in a fire and travel, spreading burning liquid and vapour.

5.2 Hazardous Combustion Products
H_2O, CO_2, halogens, acids and phosgene.

5.3 Suitable Extinguishing Media
Use alcohol-resistant foam, water delivered as fog or fine spray in flooding amounts.

Hazchem Code: 3YE

5.4 Precautions for Fire Fighters and Special Equipment
Wear SCBA and full turn out uniform.

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. Wear full protective clothing and respiratory protective equipment. Spread sand, soil or other inert absorbent over liquid pool. When saturated collect into plastic or metal drums. Fit lids, label, and place containers in a safe, fire-protected area to await disposal. Collect damaged cans and place in a recovery drum. Fit lid, label and place in a safe area to await disposal or recovery. Collect undamaged cans and return to store. Thoroughly ventilate the area before continuing normal work.

7. Handling and Storage

7.1 Handling Advice
Wear suitable protective clothing. Ensure suitable fire precautions are in place.

7.2 Storage Advice
Store in accordance with AS3833-98 and local regulations. Keep away from heat, sources of ignition, active metals and strong oxidisers. Keep storage temperatures below 45°C.

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards
An Exposure Standard for the product as sold has not been established. The ASCC has set standards for some of the ingredients:

Substance	*TWA*	*STEL*
Propane Blend	Asphyxiant	n.est
Acetone	1185 mg/m^3	2375 mg/m^3
Diacetone Alcohol	238 mg/m^3	n.est
Xylene	350 mg/m^3	655 mg/m^3
Toluene	188 mg/m^3	565 mg/m^3

8.2 Engineering Control Methods
Provide intrinsically safe ventilation equipment.

8.3 Personal Protective Equipment

Respiratory Protection	Not usually required if working in a well-ventilated area. If TWAs may be exceeded use respirator fitted with an organic vapour filter to AS1715 & 1716. In confined or poorly ventilated areas use SCUBA. (Note presence of an asphyxiant gas)
Eye Protection	Wear safety glasses with side pieces, goggles or full face shield to AS 1337.
Gloves	Wear rubber or PVA gloves to AS 2161.
Clothing	Wear Tyvec or cotton coveralls fastened at the neck and wrists. Supplement with waterproof apron as appropriate

9. Physical and Chemical Properties

Appearance	Grey aerosols/liquid	**Odour**	Hydrocarbon solvent odour
Melting Point	n.d	**Boiling Point**	195°C
Specific Gravity	1.0	**Flammability Limits**	1.8 to 9.5% v/v
Flash Point	-95°C		
Vapour Pressure	n.d.	**Vapour Density**	n.d.
Solubility (H_20	Insoluble	**AS1940 Class**	Class 2.1 DG

Other Properties

Incompatible with strong oxidisers and active metals

10. Stability and Reactivity

During normal handling and use the product is stable.

11. Toxicological Information

None relevant to product as sold found.

12. Ecological Considerations

Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. Treat as hydrocarbon liquid or vapours if accidentally released.

13. Disposal Considerations

Must be disposed of in accordance with local regulations for hazardous wastes.

14. Transport Information

Transport as UN 1950 Class 2.1 Aerosols 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 as a DG Substance according to the ADG Code with class 2.1 diamond and the phrase UN 1950 Aerosol, labeling requirements under the SUSMP or the *"National Code of Practice for the Labeling of Workplace Substance"* do not apply to this product as sold. Label with consumer advice in accordance with AS 2278.

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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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 Rheinhold NY, USA . "*List of Designated Hazardous Substances"* NOHSC 10005:1999, *"National Exposure Standards"* NOHSC 1003:1995, http://hsis.ascc.gov.au/SearchHS.aspx.

Abbreviations used: n.d = not determined, n.a = not applicable, n.all =not allocated, SUSMP=Standard for the Uniform Scheduling of Medicines 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.