

**VICTORIAN CHEMICAL CO. PTY. LTD.**

ABN 36 004 188 863

83 Maffra Street, Coolaroo, Victoria, 3048, Australia

Tel: +61-(0) 3-9301 7000

Fax: +61-(0) 3-9309 7966

Website: www.vicchem.comE-mail: products@vicchem.com**MATERIAL SAFETY DATA SHEET****SECTION 1 : Identification of the material and supplier****Product Name:** HOT-UP™ Spray Adjuvant

Other Names: HOT-UP™

Recommended Use: Adjuvant for pesticides

Supplier Name: Victorian Chemical Co. PTY. LTD.

Address: 83 Maffra Street
Coolaroo, Victoria 3048
Australia

Telephone: +61-(0) 3-9301 7000

Fax: +61-(0) 3-9309 7966

Australian Emergency contact number: +61-(0) 3-9301 7000 (office hours)

SECTION 2 : Hazards Identification

Classified as hazardous according to the criteria of NOHSC

Risk Phrase(s)

R36/38 Irritant: Irritating to eyes and skin

R22 Harmful if swallowed

Safety Phrase(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

SECTION 3 : Ingredients Composition/Information

Chemical Identity	CAS Number	Proportion
Distillates, petroleum, solvent dewaxed heavy paraffinic	64742-65-0	10 - 30%
Ammonium Sulphate	7783-20-2	10 - 30%
Non-ionic Surfactants	n/a	30 - 60%
Other non hazardous ingredients including water	n/a	to 100%



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SECTION 4 : First Aid Measures

Swallowed:	Rinse mouth with water. Give water to drink. Do not induce vomiting. Seek medical advice.
Eye:	Irrigate with copious quantities of water for 15 minutes. In all cases of eye contamination it is a sensible precaution to seek medical advice.
Skin:	Wash contaminated skin with plenty of water. Remove contaminated clothing and wash before reuse. If irritation occurs seek medical advice.
Inhaled:	Move to fresh air. Seek medical advice if nausea or vomiting occurs.
First Aid Facilities:	Ensure eye bath and safety shower are available and ready for use.
Advice to Doctor:	Treat symptomatically.

SECTION 5 : Fire Fighting Measures

Suitable extinguishing media: Foam, Carbon Dioxide, Dry Chemical, Water Spray

Hazards from combustion products: In the event of a fire the following can be released: Carbon monoxide, carbon dioxide, oxides of nitrogen and sulphur.

Precautions for fire fighters and special protective equipment: Fire fighters should wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

SECTION 6 : Accidental Release Measures

Emergency procedures: Slippery when spilt, clean up immediately. Wear protective equipment to prevent skin and eye damage.

Methods and materials for containment and clean up: Prevent run off into drains and waterways. Contain spills with absorbent material such as sand or soil. Collect and seal in properly labelled containers for disposal. Dispose of in accordance with all Local, State and Federal regulations at an approved waste disposal site. For small spills, wash with plenty of water.

SECTION 7 : Handling and Storage

Precautions for safe handling: Avoid skin and eye contact. Wash hands after using product.

Conditions for safe storage: Keep container tightly closed. Combustible liquid.



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SECTION 8 : Exposure / Personal Protection

National exposure standards: None Allocated.

Biological limit values: None Allocated.

Engineering controls: Ensure adequate ventilation to keep exposure levels to a minimum.

Personal protective equipment: Wear safety glasses or goggles, impermeable gloves (PVC or neoprene) and overalls.

SECTION 9 : Physical and Chemical Properties

Appearance: Oily amber coloured liquid.

Boiling Point: >100°C (loss of water)

Melting Point: < 0°C

Solubility in Water: Emulsifiable

Specific Gravity: 1.05 @ 20°C

Flashpoint: > 150°C

Flammability Limits: Not available

SECTION 10 : Stability and Reactivity

Chemical stability: Stable under normal conditions of use.

Conditions to avoid: None Known

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Ammonia, oxides of sulphur, nitrogen and carbon.

Hazardous reactions: No hazardous reactions with proper storage and handling.



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SECTION 11 : Toxicological Information

Acute effects:

- Swallowed: Ingestion may cause nausea, vomiting or diarrhoea. Ingestion of high quantities may lead to central nervous system depression
- Eye Contact : Irritating to the eye.
- Skin : Moderately irritating to the skin. Repeated or prolonged exposure with skin may cause dermatitis or defatting of the skin.
- Inhaled : Slightly irritating. In high concentrations, vapour is narcotic and may cause headache, dizziness and anaesthesia.

Chronic effects:

Prolonged or repeated exposure may lead to dermatitis.

SECTION 12 : Ecological Information

Ecotoxicity: Based on similar materials it is expected to be harmful to aquatic organisms.

Persistence and degradability: Not Available.

Mobility: Product is emulsifiable and disperses in water.

SECTION 13 : Disposal Considerations

Disposal Methods: In accordance with local authority regulations, take to special waste incineration plant. If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

Special precautions for landfill or incineration: Avoid contaminating waterways



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SECTION 14 : Transport Information

UN Number: None Allocated

UN Proper Shipping Name: None Allocated

Class: None Allocated

Packing Group: None Allocated

Hazchem Code: None Allocated

Road and Rail Transport: Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport: Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport: Not classified as Dangerous Goods by the criteria of the international Air Transport (IATA) Dangerous Goods Regulations for transport by air.

SECTION 15 : Regulatory Information

Classification: None Allocated

Poisons Schedule: None Allocated

This material is listed on the Australian Inventory of Chemical Substances (AICS)

SECTION 16 : Other Information

None Available

CONTACT POINT

This MSDS summarises at date of issue our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Since Victorian Chemical Co. cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this MSDS in the context of how the product will be handled and used in the workplace.

Victorian Chemical Co. will not be responsible for any damage caused by the use of the product otherwise than in accordance with the directions and information contained in this document.

If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact Victorian Chemical Co. (03) 9301 7000. Ask for Technical Manager.

Safety Data Sheets are updated regularly. Please ensure that you have a current copy.