

Safety Data Sheet (SDS) MYL 900 SP/01

According to UN GHS 9th Ed

Revision Date: 2022/12/04

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Version: 4.3

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Identification as on the label/Trade name: **MYLOMEX 900 SP**

Additional information: Product code MYL 900SP/01.

Relevant identification uses of the substance and uses advised against:

Identified uses: Insecticide.

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

AECI Limited

14 Field Road, LILANTON

Emergency telephone numbers:

Griffon Poison information centre: 082 446 8946

Poisons Information Helpline: 0861 555 777

AECI Limited: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Acute toxicity oral (Category 2)	H300
Hazardous to the aquatic environment (Acute 1)	H400
Hazardous to the aquatic environment (Chronic 1)	H410

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: None.

The most important adverse human health effects: Fatal if swallowed.

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Label elements

Hazard pictograms:



Signal Word: Danger

Hazard Statements: H300 Fatal if swallowed. H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements: P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P260 Do not breathe dust/ mist/ vapours/ spray. P264 Wash thoroughly after handling. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301+P316 IF SWALLOWED: Get emergency medical help immediately. P308+P316 IF exposed or concerned: Get emergency medical help immediately.

Special labelling of certain mixtures: None

Other hazards: None

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Ingredients:

Substance name (IUPAC/EC)	CAS –No.	Concentration % by weight	Classification
	EC-No.		EC1272/2008
Methomyl	16752-77-5	80-95%	Acute toxicity oral (Category 2) H300. Aquatic acute 1 H400. Aquatic chronic 1 H410. M=100
	240-815-0		
Sodium dodecyl sulphate	151-21-3	1-<10%	Acute toxicity oral (Category 4) H302. Skin irritation (Category 2) H315. Eye irritation (Category 2) H319
	205-788-1		

For full text of H statements see section 16

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. WARM water MUST be used. Get medical attention immediately.

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In case of ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical immediately

Most important symptoms and effects, both acute and delayed:

Inhalation: Hazardous in case of inhalation (lung sensitizer).

Ingestion: Very hazardous in case of ingestion. Fatal if swallowed.

Skin contact: May cause skin irritation.

Eye contact: May cause eye irritation.

Indication of any immediate medical attention and special treatment needed:

Immediate medical attention is required if exposure to the product. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Risks: This product is a cholinesterase inhibitor Carbamate.

Symptoms: Breathing difficulties, Shortness of breath, Headache, Dizziness, Blurred vision, Nausea, Weakness, constriction of pupils, slow pulse, sweating, muscle twitching

Treatment: Administer atropine sulphate as an antidote until complete atropinisation.
Morphine, 2-PAM and oxime therapy are contra-indicated

SECTION 5. FIRE -FIGHTING MEASURE

Extinguisher media:

Suitable extinguisher media:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Unsuitable extinguishing media: None known.

Special hazards arising from the mixture:

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), sulphur oxides (SO₂, SO₃...).

Advice for fire-fighters:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Splash goggles and gloves.

For emergency responders: Splash goggles and gloves.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Use appropriate container to avoid environmental contamination. Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for containment and cleaning up:

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For small spills Contain spilled material if possible. Collect in suitable and properly labelled containers. Absorb with materials such as: sand, earth, vermiculite or diatomaceous earth

For large spills Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g., sand, earth, vermiculite or diatomaceous earth and place in well labelled container for disposal according to local regulations.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information:

None.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Keep locked up. Keep container dry. Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe gas/fumes/ vapour/spray. Never add water to this product. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Never add water to this product.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Specific end uses:

Use as directed. Use original container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL):

Methomyl (CAS 16752-77-5) OEL-RL 0.4 mg/m³ IFV- inhalable fraction. Sk- skin danger of cutaneous absorption

Biological exposure indices (BEI): No information available.

Additional exposure limits under the conditions of use: No information available.

Exposure control:

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Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

Appropriate engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective OEL's. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

Hand protection: Use chemical resistant gloves. Examples of preferred glove barrier materials include Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, Polyvinyl alcohol, Polyvinyl chloride.

Body protection: Full body suit is required when handling this product.

Respiratory protection: Respiratory protection is required; use an approved air-purifying respirator. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

Environmental exposure controls: Prevent product from entry into sewers and water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form): Powder.

Colour: Off-white.

Odour: Sulphurous.

Odour threshold: Not applicable.

pH (at concentration): 4-8

Melting point/range (°C): Not applicable.

Boiling point/range (°C): Not applicable.

Flash point (°C): Not applicable.

Evaporation rate: No information available.

Flammability (solid, gas): Not flammable.

Ignition temperature (°C): No information available.

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Upper/lower flammability/explosive limits: No information available.

Vapour pressure (20°C): No information.

Vapour density: No information.

Relative density (25°C): 1.295g/l at 20°C

Water solubility (g/l) at 20°C: Easily soluble in cold water, hot water, methanol, diethyl ether.

Very slightly soluble in n-octanol, acetone.

n-Octanol/Water partition coefficient: The product is much more soluble in water.

Auto-ignition temperature: No information available.

Decomposition temperature: No information available.

Viscosity, dynamic (mPa s): No information available.

Physical hazards:

Explosive properties: No information available.

Other information:

Fat solubility (solvent-oil to be specified): No information available.

Bulk density: No information available.

Dissociation constant in water (p Ka): No information available.

Oxidation-reduction potential: No information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

The product is stable under normal conditions.

Chemical stability:

Stable under normal storage conditions for 2 years.

Possibility of hazardous reactions:

Highly reactive with oxidizing agents. Slightly reactive to reactive with alkalis. Non-reactive with reducing agents, combustible materials, organic materials, metals, acids, moisture

Conditions to avoid:

No information available.

Incompatible materials:

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Oxidizing agents, alkalis.

Hazardous decomposition products:

These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...), sulphur oxides (SO₂, SO₃...).

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: No Information available.

Information on toxicological effects:

Acute toxicity:

Mylomex 900 SP

Acute oral LD₅₀ 33 mg/kg (calculation).

Methomyl

Acute oral LD₅₀ for male rats 30 mg/kg and female rats 34 mg/kg.

Dermal LD₅₀ for rabbits >2000 mg/kg.

Chronic toxicity: No information available.

Skin corrosion/irritation: No information available.

Serious eye damage/irritation: No information available.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: No information available.

Carcinogenicity: Classified A5 (Not suspected for human.) by ACGIH [Methomyl].

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

This product is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

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Mobility in soil

No information available.

Results of PBT& vPvB assessment:

No information available.

Other adverse effects:

No information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	2757	2757	2757
UN Proper shipping name:	CARBAMATE PESTICIDES, SOLID, TOXIC (Methomyl)	CARBAMATE PESTICIDES, SOLID, TOXIC (Methomyl)	CARBAMATE PESTICIDES, SOLID, TOXIC (Methomyl)
Transport hazard class:	6.1	6.1	6.1
Transport hazard pictograms:			
Marine pollutant:	Yes	Yes	Yes
Special precautions for user:	Not known	Not known	Not known
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not known	Not known	Not known

Inland waterways: No information.

Emergency response information: No information.

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 9, 2021.

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ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH)

Relevant information regarding restrictions: None.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

All sections.

Relevant classification, H statements (number and full text):

Aquatic acute 1: Hazardous to the aquatic environment (Acute 1)

Aquatic chronic 1: Hazardous to the aquatic environment (Chronic 1)

H300 Fatal if swallowed. H315 Causes skin irritations. H319 Causes serious eye irritation. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects.

Training instructions:

Provide training to person using this product, contains methomyl.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.