



SAFETY DATA SHEET

METHOMYL 900 SP (CNAC)

Revision Date 17-Jul-2018

Version 1

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Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

METHOMYL 900 SP (CNAC)

Pure substance/mixture

Mixture

Relevant identified uses of the substance or mixture and uses advised against

Recommended Use

Insecticide

Uses advised against

No information available

Details of the supplier of the safety data sheet

Supplier Address

ADAMA Makhteshim Ltd
PO Box 60
Beer Sheva 8410001 Israel

For further information, please contact

Email address

SDS@ADAMA.COM

Emergency Telephone

Emergency Telephone

+972-03-6106666 Subscription no. 36789 (ADAMA Makhteshim Ltd.)

Section 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Acute toxicity - Oral

Category 2 - (H300)

Acute aquatic toxicity

Category 1 - (H400)

Chronic aquatic toxicity

Category 1 - (H410)

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
P270 - Do not eat, drink or smoke when using this product
P501 - Dispose of contents/ container to an approved waste disposal plant

Other Hazards
No information available

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Chemical Name	Weight-%	CAS No	EC No	GHS Classification	M-Factor
Methomyl	87 - 96	16752-77-5	240-815-0	Acute Tox. 2 (H300) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	M=100 M=100

Section 4: FIRST AID MEASURES

First aid measures

General advice In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.

Inhalation Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Ingestion Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.

Self-protection of the first aider Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed

Symptoms None known

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

Special hazards arising from the substance or mixture

No specific hazard known.

Advice for firefighters

Wear self-contained breathing apparatus and protective suit

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

Other Information

See also section 8,13

Section 7: HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

General Hygiene Considerations

When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

National occupational exposure limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Methomyl 16752-77-5			TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Methomyl 16752-77-5		TWA: 2.5 mg/m ³			TWA: 2.5 mg/m ³ Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Methomyl 16752-77-5	Skin STEL 5 mg/m ³ TWA: 2.5 mg/m ³	Skin TWA: 2.5 mg/m ³		TWA: 2.5 mg/m ³ Skin STEL: 5 mg/m ³	TWA: 2.5 mg/m ³ Skin

Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

- Eye/face protection** Tight sealing safety goggles.
- Hand Protection** Gloves made of plastic or rubber.
- Body Protection** Gloves made of plastic or rubber, Suitable protective clothing.
- Respiratory protection** Use only with adequate ventilation.

General Hygiene Considerations When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water. Local authorities should be advised if significant spillages cannot be contained. Prevent product from entering drains.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Solid		
Color	: blue		
Odor	: Slight Acid		
Odor threshold	: No data available		
pH	: Not Applicable		
Melting point/freezing point °C	: -		Not Applicable
Boiling point/boiling range °C	: No data available		
Flash point °C	: -		Not Applicable
Evaporation rate	: Not Applicable		
Flammability (solid, gas)	: No data available		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: -		Not Applicable
Vapor density	: No data available		

Relative density	: -	Not Applicable
Solubility(ies) mg/l	: -	Not Applicable
Partition Coefficient (n-octanol/water) Log Pow	:	See Section 12 for more information
Autoignition temperature °C	: No data available	
Decomposition temperature °C	: 136	
Kinematic viscosity mm²/s 40 °C	: Not Applicable	
Explosive properties	: No data available	
Oxidizing properties	: No data available	

Other Information

Bulk density g/ml	: 0.481 - 0.609
Surface tension mN/m	: Not Applicable

Section 10: STABILITY AND REACTIVITY

Reactivity

Not available.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks.

Incompatible Materials

No information available

Hazardous Decomposition Products

None under normal use conditions.

Section 11: TOXICOLOGY INFORMATION

Information on toxicological effects

Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	:			No data available
Dermal LD50 mg/kg	:			No data available
Inhalation LC50 mg/l/4h	:			No data available
Skin corrosion/irritation	:			No data available
Serious eye damage/eye irritation	:			No data available
Respiratory/skin sensitization	:			No data available

Chronic toxicity

Germ cell mutagenicity

Chemical Name	
Methomyl	: Not classified

Carcinogenicity

Chemical Name	:
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Methomyl : Not Carcinogenic

Reproductive toxicity .

Chemical Name

Methomyl : Not toxic for the reproductive system

STOT - single exposure

Chemical Name

Methomyl : No data available

STOT - repeated exposure

Chemical Name

Methomyl : No data available

Aspiration hazard

Chemical Name

Methomyl : No data available

Section 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

Acute toxicity	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	:			No data available
Crustacea 48-hour EC50 mg/l	:			No data available
Algae 72-hour EC50 mg/l	:			No data available
Other plants EC50 mg/l	:			No data available

Terrestrial Toxicity

Birds Oral LD50 mg/kg

Chemical Name

Methomyl : 24.2 Bobwhite quail

Bees Oral LD50 µg/bee

Chemical Name

Methomyl : 0.28

Persistence and degradability

Abiotic Degradation

Water DT50 days

Chemical Name

Methomyl : 30 25 °C

Soil DT50 days

Chemical Name

Methomyl : 4-8 20 °C

Biodegradation

Chemical Name

Methomyl : Readily biodegradable

Bioaccumulative potential

Partition Coefficient

(n-octanol/water) Partition

Coefficient (n-octanol/water) Log

Pow

Chemical Name

<u>Values</u>	<u>Method</u>	<u>Remarks</u>

Methomyl : 0.093

Bioconcentration factor (BCF)

Chemical Name

Methomyl : No data available

Mobility in soil

Adsorption/Desorption

Chemical Name

	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Methomyl	: 72		Koc

Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION

IMDG/IMO

UN/ID No * 2757
Proper shipping name CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Hazard Class 6.1
Packing Group II
Marine pollutant Yes
Special precautions for user

RID/ADR

UN/ID No * 2757
Proper shipping name CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Hazard Class 6.1
Packing Group II
Environmental hazard Yes
Special precautions for user

ICAO/IATA

UN/ID No * 2757
Proper shipping name CARBAMATE PESTICIDE, SOLID, TOXIC (Methomyl)
Hazard Class 6.1
Packing Group II
Environmental hazard Yes
Special precautions for user
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable



* Note: UN3077 & UN3082 – These products may be transported as non-dangerous goods under the special provisions of IMDG Code 2.10.2.7; ADR SP375 and ICAO/IATA A197 when packed in single or inner packaging of up to 5L for liquids or 5 kg or less for solids.

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Section 16: OTHER INFORMATION

Revision Note

Changes made to the last version are labeled with this sign ***.

List of Acronyms

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS Number - Chemical Abstracts Service number
EC Number - EINECS and ELINCS Number
EINECS - European Inventory of Existing Commercial Substances
ELINCS - European List of notified Chemical Substances
IATA - International Air Transport Association
ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG - International Maritime Dangerous Goods
LC50 - Lethal Concentration to 50 % of a test population
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)
OECD - Organization for Economic Co-operation and Development
PBT - Persistent, Bioaccumulative and Toxic substance
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
STOT - Specific Target Organ Toxicity
vPvB - Very Persistent and Very Bioaccumulative

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet