

SAFETY DATA SHEET

MOSPILAN 20 SL FOR SPRAYING

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

Product name : MOSPILAN 20 SL FOR SPRAYING
Chemical name of active ingredient(s) : (E)-N'-[(6-Chloro-3-pyridyl)methyl]-N2-cyano-N'-methylacetamidine
Manufacturer : Agan Chemical Manufacturers Ltd.
 Northern Industrial Zone,
 P.O.Box 262, Ashdod, Israel.
Emergency telephone number : +972-8-8515211

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Information on hazardous ingredients *

Common name	CAS No.	%	EC Number	Symbol	R-Phrases
Acetamidiprid	135410-20-7	19 - 22	-	Not classified	-
N-Methyl-2-pyrrolidone	872-50-4	29 - 32	212-828-1	Xi	R36/38
Dimethyl sulfoxide	67-68-5	44 - 49			

* **Occupational Exposure Limit(s), if available, are listed in section 8**

3. HAZARDS IDENTIFICATION

Most important hazards : Harmful if swallowed. Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST-AID MEASURES

Effects and symptoms

First-aid measures : Remove victim from area of exposure. Wash off remaining material with plenty of water.

Inhalation : Remove victim to fresh air. If breathing is difficult: artificial respiration. Get medical attention.

Ingestion : Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.

Skin contact : Remove contaminated clothing. Wash away remainder with water and soap.

Eye contact : Wash out with plenty of water with the eyelid held wide open for at least 15 minutes. Get medical attention.

Notes to a physician : There is no specific antidote. Treat symptomatically and give supportive therapy.

Protection of first-aiders : Use appropriate protection (see section 8).

SAFETY DATA SHEET

MOSPILAN 20 SL FOR SPRAYING

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Dry chemical, water spray, foam, carbon dioxide.
- Special fire-fighting procedures** : Contain escaping vapours with water. Prevent fire-fighting water from entering surface or groundwater.
- Unusual fire/explosion hazards** : Combustible. May form explosive mixture with air.
- Hazardous thermal (de)composition products** : carbon dioxide, nitrogen oxides, hydrogen chloride, sulfur dioxide.
- Protection of fire-fighters** : Self-contained breathing apparatus and total protection required in enclosed areas.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Wear suitable protective clothing.
- Environmental precautions** : Do not discharge into drains or the environment.
- Methods for cleaning up** : Absorb remainder in sand or other inert material. Do not discharge into drains or the environment. Dispose of in an authorized waste collecting point.

7. HANDLING AND STORAGE

- Handling** : Ventilation required.
- Storage** : Keep only in the original container. Keep in a cool, dry, well ventilated place away from direct sunlight.
- Packaging materials**
- Suitable** : Fluorinated or coextruded polyethylene containers or aluminium containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering measures** : Ventilation required.
- Hygiene measures** : When handling do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use.
- Occupational Exposure Limits**
- Common name** : **Acetamiprid**
: Not established
- Common name** : **N-Methyl-2-pyrrolidone**
"MAK" (Germany) : 80 mg/m³
TLV (USA) : 25 ppm (skin)
STEL (USA) : 75 ppm (skin)
- Common name** : **Dimethyl sulfoxide**
: Not established
- Personal protective equipment**
- Respiratory system** : Respiratory protection is required when vapours are generated.
- Skin and body** : Wear suitable protective clothing. Chemical resistant boots.
- Hands** : Chemical resistant gloves.

SAFETY DATA SHEET

MOSPILAN 20 SL FOR SPRAYING

Eyes : Safety goggles or face shield.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Liquid
Colour : Colourless
Odour : Garlic-like
Density : 1.11 ± 0.02 g/mL @ 20°C
Vapour pressure : 1.73×10^{-4} mPa @ 25°C (Acetamiprid)
Solubility in water : 0.4% @ 25°C (Acetamiprid)
Octanol/water partition coefficient : 0.8 (Acetamiprid)
pH : 5 - 8
Flash point : 89°C (Dimethyl sulfoxide)
Flammability : May burn in the presence of open flames.
Lower explosion limit : 1.3 volume % (N-methyl-2-pyrrolidone)
2.6 volume % (Dimethyl sulfoxide)
Upper explosion limit : 9.5 volume % (N-methyl-2-pyrrolidone)
42.63 volume % (Dimethyl sulfoxide)
Oxidation properties : Keep away from: Strong oxidizing agents, acids and alkali.

10. STABILITY AND REACTIVITY

Stability : Not subject to polymerization.
Materials to avoid : Oxidizing agents, acids and alkali.
Hazardous reactions :
Hazardous decomposition products : carbon dioxide, nitrogen oxides and hydrogen chloride, sulfur dioxide.

11. TOXICOLOGICAL INFORMATION

Preparation

Acute toxicity - Oral : LD₅₀ (rat) = 580 mg/kg
Acute toxicity - Dermal : LD₅₀ (rat) > 2,000 mg/kg
Acute toxicity - Inhalation : LC₅₀ (rat) > 6.54 mg/L (4 hours)
Skin irritation : Not irritating (rabbit).
Eye irritation : Moderately irritating (rabbit).
Sensitization : The product is not a skinsensitizer (guinea-pig).

Common name : **Acetamiprid**
Chronic toxicity : NOEL (dog): 600 ppm (1 year).
Carcinogenicity : Not carcinogenic in rat and mice.
Mutagenicity : Not mutagenic
Reproduction toxicity : NOEL (rat) = 800 ppm (2 generation).
Other information : Teratogenicity - NOEL (rat) 16 mg/kg/day (Maternal) ; 50 mg/kg/day (Fetal).

12. ECOLOGICAL INFORMATION

SAFETY DATA SHEET

MOSPILAN 20 SL FOR SPRAYING

Common name : Acetamiprid
Persistence/degradability : Half-life time (t_{1/2}): 1.1 - 2.1 days.
Ecotoxicity : Low toxicity: fish and Daphnia magna.

13. DISPOSAL CONSIDERATIONS

Methods of disposal : Dispose of in a pesticide approved landfill or in a chemical incinerator equipped with scrubbers. In accordance with national and regional regulations.
Contaminated packaging : Bury in the ground away from water supplies.

14. TRANSPORT INFORMATION

Not available

National transport regulations

No additional national transport regulations are known to the supplier

15. REGULATORY INFORMATION

Classification : This product is provisionally labelled by the supplier in accordance with the suppliers understanding of the EU regulations.
Hazard symbol(s) : Xn



HARMFUL

Risk phrases : R22: Harmful if swallowed.
R36: Irritating to eyes.
R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases : S2: Keep out of the reach of children.
S20/21: When using do not eat, drink or smoke.
S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37: Wear suitable protective clothing and gloves.
S46: If swallowed, seek medical advice immediately and show this container or label.
S61: Avoid release to the environment. Refer to special instructions/Safety data sheets.

16. OTHER INFORMATION

SAFETY DATA SHEET
MOSPILAN 20 SL FOR SPRAYING

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

HISTORY

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