



**SAFETY DATA SHEET**  
**EU Regulation No. 1907/2006,**  
**Annex II**

Page : 1 of 6

Revised edition no : 0

Date : 13 / 2 / 2012

Supersedes : 0 / 0 / 0

**MOSPILAN 20 SL FOR TRUNK TREATMENT**

**R-21197-NMP/DMSO**

**SECTION 1. Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Trade name : MOSPILAN 20 SL FOR TRUNK TREATMENT

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses : Insecticide

Uses advised against : None under normal conditions.

**1.3. Details of the supplier of the safety data sheet**

: Agan Chemical Manufacturers Ltd.  
P.O.B. 262  
ASHDOD Israel

Email : msds@mcw.co.il

**1.4. Emergency telephone number**

: +972-8-8515211

**SECTION 2. Hazards identification**

**2.1. Classification of the substance or mixture**

Hazard classification

Classification 67/548/EEC (DSD) - 1999/45/EC (DPD)

: Repr. Cat. 2; R61  
Xn; R22  
Xi; R36

**2.2. Label elements**

Labelling 1999/45/EC (DPD)

Symbol(s)



R Phrase(s)

: T : Toxic  
: R22 - Harmful if swallowed.  
R36 - Irritating to eyes.  
R61 - May cause harm to the unborn child.

S Phrase(s)

: S02 - Keep out of the reach of children.  
S13 - Keep away from food, drink and animal feedingstuffs.  
S20/21 - When using, do not eat, drink or smoke.  
S24/25 - Avoid contact with skin and eyes.  
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.

**2.3. Other hazards**

Other hazards

: None under normal conditions.



**SAFETY DATA SHEET**  
**EU Regulation No. 1907/2006,**  
**Annex II**

Page : 2 of 6

Revised edition no : 0

Date : 13 / 2 / 2012

Supersedes : 0 / 0 / 0

**MOSPILAN 20 SL FOR TRUNK TREATMENT**

**R-21197-NMP/DMSO**

**SECTION 3. Composition/information on ingredients**

**Components**

: This product is considered to be hazardous and contains hazardous components.

Substance name	Concentration % w/w	CAS No	EC No	Index No	REACH Reg.	Classification
Acetamidiprid	20 %	135410-20-7	-----	608-032-00-2	----	Xn; R22 R52-53 ----- Acute Tox. 4 - H302 Aquatic Chronic 3 - H412
N-methyl-2-pyrrolidone	25 - 30 %	872-50-4	212-828-1	606-021-00-7	----	Repr. Cat. 2; R61 Xi; R36/37/38 ----- Repr. 1B - H360U Eye irrit. 2 - H319 Skin Irrit. 2 - H315 STOT SE 3 - H335

**SECTION 4. First aid measures**

**4.1. Description of first aid measures**

**First aid measures**

- Inhalation** : Remove victim to fresh air. Keep victim warm and at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediately get medical attention.
- Skin contact** : Remove affected clothing and wash all exposed skin area with soap and water, followed by warm water rinse. Immediately get medical attention.
- Eye contact** : In case of eye contact, immediately rinse with clean water for 10-15 minutes. Immediately consult an eye specialist.
- Ingestion** : Do not induce vomiting. Wash out mouth with plenty of water. Never give anything by mouth to an unconscious person. Immediately get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

- Ingestion** : Irritating to gastrointestinal tract
- Inhalation** : Irritating to respiratory system.
- Eye contact** : Irritating to eyes.

**4.3. Indication of any immediate medical attention and special treatment needed**

- Note to physician** : Treat symptomatically and give supportive therapy. If ingested perform gastric lavage and administer activated charcoal. Substances dissolved in DMSO are easily absorbed through skin. No specific antidote known.

**SECTION 5. Fire-fighting measures**

**5.1. Extinguishing media**

- Suitable extinguishing media** : Dry chemical , water spray , foam , carbon dioxide .

**5.2. Special hazards arising from the substance or mixture**

- Specific hazards** : Combustible. Exposure to fire may cause containers to rupture/explode. May form explosive mixtures with air. Thermal decomposition may generate : carbon monoxide , carbon dioxide , hydrogen chloride , sulfides , SOx, nitrogen oxides .

**5.3. Advice for fire-fighters**

- Special protective equipment for fire fighters** : Self-contained breathing apparatus and total protection required in enclosed areas.
- Special procedures** : Move containers away from fire without risk . Contain escaping vapours with water . Prevent all discharge into the environment . Fight fires from a protected location . Dike fire control water for later disposal.



**SAFETY DATA SHEET**  
**EU Regulation No. 1907/2006,**  
**Annex II**

Page : 3 of 6

Revised edition no : 0

Date : 13 / 2 / 2012

Supersedes : 0 / 0 / 0

**MOSPILAN 20 SL FOR TRUNK TREATMENT**

**R-21197-NMP/DMSO**

**SECTION 6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

For emergency responders : Wear protective clothing

**6.2. Environmental precautions**

Environmental precautions : Do not discharge into the environment. Dispose of this material and its container at hazardous or special waste collection point. If the product has contaminated surface water, inform the appropriate authorities.

**6.3. Methods and material for containment and cleaning up**

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it. Prevent entry to sewers and public waters.

**6.4. Reference to other sections**

: See section 8

**SECTION 7. Handling and storage**

**7.1. Precautions for safe handling**

Handling : Ventilation required.  
Do not breathe gas/fumes/vapour/spray .  
Avoid contact with skin and eyes.

**7.2. Conditions for safe storage, including any incompatibilities**

Packing : Woven polypropylene big bags .  
Fluorinated or coextruded polyethylene containers .  
Aluminium or coextruded polyethylene containers .

Storage : Keep locked up . Keep container tightly closed. Keep only in the original container in a cool, well ventilated place. Avoid : strong bases & acids , alkali , oxidizing substances .

**7.3. Specific end use(s)**

: Not available

**SECTION 8. Exposure controls/personal protection**

**8.1. Control parameters**

TLV© : Acetamidrid, DMSO : Not established  
TLV© -STEL [ppm] : (USA) N-methyl-2-pyrrolidone: 25 ppm skin  
MAK (AU) Kurzzeitwerte (mg/m<sup>3</sup>) : (USA) N-methyl-2-pyrrolidone: 75  
: N-methyl-2-pyrrolidone: 80

**8.2. Exposure controls**

: Ventilation required.  
Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower .  
When using do not eat, drink or smoke. Wash clothing before re-using. Wash hands thoroughly after handling.

- Respiratory protection : During spraying wear suitable respiratory equipment.
- Hand protection : Chemical  
Chemical resistant gloves.
- Skin protection : Wear suitable protective clothing and chemical resistant boots .
- Eye protection : Chemical goggles or safety glasses.



**SAFETY DATA SHEET**  
**EU Regulation No. 1907/2006,**  
**Annex II**

Page : 4 of 6

Revised edition no : 0

Date : 13 / 2 / 2012

Supersedes : 0 / 0 / 0

**MOSPILAN 20 SL FOR TRUNK TREATMENT**

**R-21197-NMP/DMSO**

**SECTION 9. Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Appearance	
Physical state at 20 °C	: Liquid
Colour	: Violet
Odour	: Garlic like
Odour threshold	: Not available
pH	: 5-8
Melting point / Freezing point	: Not available
Initial boiling point - boiling range	: Not available
Flash point	: DMSO : 89 °C
Evaporation rate	: Not available
Flammability	: May burn in the presence of open flames.
Explosion limits (lower - upper)	: NMP : 1.3 - 9.5 vol % DMSO : 2.6 - 42.63 vol %
Vapour pressure	: Acetamiprid : $1.73 \times 10^{-4}$ (25°C)
Vapour density	: Not available
Relative density	: 1.11 ± 0.02 g/ml (20°C )
Solubility	: Acetamiprid : 0.4% @ 25°C
Partition coefficient : n-octanol / water	: Acetamiprid : 0.8
Log P octanol / water at 20°C	: Acetamiprid : KOW=0.80 (25 °C )
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Viscosity	: Not available
Explosive Properties	: This product: Not explosive
Oxidising properties	: Keep away from Strong oxidizing agents , acids & alkali .

**9.2. Other information**

: Not available

**SECTION 10. Stability and reactivity**

**10.1. Reactivity**

: None known.

**10.2. Chemical stability**

Chemical stability : Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Hazardous polymerization : Will not occur.

**10.4. Conditions to avoid**

Conditions to avoid : Protect from sunlight , sources of heat , open flame ,

**10.5. Incompatible materials**

Materials to avoid : oxidizing agents , strong acids , strong bases .

**10.6. Hazardous decomposition products**

Hazardous decomposition products : Thermal decomposition may generate : carbon dioxide , carbon monoxide , hydrogen chloride , sulfides , SO<sub>x</sub> , nitrogen oxides .



**SAFETY DATA SHEET**  
**EU Regulation No. 1907/2006,**  
**Annex II**

Page : 5 of 6

Revised edition no : 0

Date : 13 / 2 / 2012

Supersedes : 0 / 0 / 0

**MOSPILAN 20 SL FOR TRUNK TREATMENT**

**R-21197-NMP/DMSO**

**SECTION 11. Toxicological information**

**11.1. Information on toxicological effects**

- Acute toxicity
  - Oral, Rat LD50 (mg/kg) : 580
  - Dermal, Rat LD50 [mg/kg] : > 2000
  - Inhalation, Rat LC50 [mg/l/4h] : > 6.54
- Skin corrosion/irritation : Not irritant
- Serious eye damage/irritation : Mildly irritating
- Respiratory or skin sensitisation : Non sensitizer
- Germ cell mutagenicity : Not mutagenic
- Carcinogenicity : Not carcinogenic
- Reproductive toxicity : N-methyl-2-pyrrolidone: Repr.Cat. 2 May cause harm to the unborn child
- STOT-single exposure : Not available
- STOT-repeated exposure : Not available
- Aspiration hazard : Not available

**SECTION 12. Ecological information**

**12.1. Toxicity**

Toxicity information : low toxicity : fish and Daphnia magna

**Acute toxicity**

Acute toxicity : Not available

**Long-term exposure**

: Not available

**12.2. Persistence - degradability**

: Not available

**12.3. Bioaccumulative potential**

Bioaccumulative potential : Half-life time (t1/2) : 1.1 - 2.1 days

**12.4. Mobility in soil**

: Not available

**12.5. Results of PBT and vPvB assessment**

: Not available

**12.6. Other adverse effects**

: None known.

**SECTION 13. Disposal considerations**

**13.1. Waste treatment methods**

- General : Avoid release to the environment.  
Dispose in a safe manner in accordance with local/national regulations.
- Disposal method : Burn in a chemical incinerator equipped with an afterburner and a scrubber.



**SAFETY DATA SHEET**  
**EU Regulation No. 1907/2006,**  
**Annex II**

Page : 6 of 6

Revised edition no : 0

Date : 13 / 2 / 2012

Supersedes : 0 / 0 / 0

**MOSPILAN 20 SL FOR TRUNK TREATMENT**

**R-21197-NMP/DMSO**

**SECTION 14. Transport information**

International transport regulations :  
Not dangerous

**SECTION 15. Regulatory information**

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

: Ensure all national/local regulations are observed.

**15.2. Chemical Safety Assessment**

: Not applicable

**SECTION 16. Other information**

*List of relevant R phrases (heading 3)* : *R22 - Harmful if swallowed.*  
*R36/37/38 - Irritating to eyes, respiratory system and skin.*  
*R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*  
*R61 - May cause harm to the unborn child.*

*List of relevant H phrases (Section 3)* : *H302 - Harmful if swallowed.*  
*H315 - Causes skin irritation.*  
*H319 - Causes serious eye irritation.*  
*H335 - May cause respiratory irritation.*  
*H360U - May damage the unborn child.*  
*H412 - Harmful to aquatic life with long lasting effects.*

**Print date** : 13 / 2 / 2012

**Recommended uses and restrictions** : None.

**DISCLAIMER OF LIABILITY** The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

**End of document**