



SAFETY DATA SHEET

SEEDOPRID 600 FS

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Version 1

Product No INS00013-S
R-18158.RED.NEW / MCW 2557

Product identifier

SEEDOPRID 600 FS

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 South Africa (Pty) Ltd
21 Viben Street
Brackenfell; 7560
Tel. No: 021 982 1460

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: HAZARD IDENTIFICATION

Classification of the substance or mixture

Acute toxicity - Oral

Category 4 - (H302)

Acute aquatic toxicity

Category 1 - (H400)

Chronic aquatic toxicity

Category 1 - (H410)

Label Elements

Hazard pictograms



Signal word	Warning
Hazard Statements	H302 - Harmful 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
Imidacloprid	47-52	138261-41-3

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	Do NOT induce vomiting. 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

In the event of fire, wear self-contained breathing apparatus
In the event of fire and/or explosion do not breathe fumes.

Section 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures****Personal precautions**

Use personal protective equipment as required.

For emergency responders

Use personal protection recommended in Section 8.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

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**

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. 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. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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**

Exposure controls

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	
Eye/face protection	Tight sealing safety goggles.
Body Protection	Suitable protective clothing.
General Hygiene Considerations	When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.
Environmental exposure controls	Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIESPhysical and Chemical Properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Liquid		
Color	: opaque red		
Odor	: Faint Organic		
Odor threshold	: No data available		
pH	: 6.5-8.5	CIPAC MT 75.3	solution (1 %)
Melting point/freezing point °C	: —		Not Applicable
Boiling point/boiling range °C	: No data available		
Flash point °C	: —		Not flammable
Evaporation rate	: —		No data available
Flammability (solid, gas)	: Not applicable for liquids		
Upper/lower flammability or explosive limits	: No data available		
Vapor pressure kPa	: —		Not Applicable
Vapor density	: No data available		
Relative density	: 1.2-1.3	CIPAC MT 3.3.2	
Solubility(ies) mg/l	: —		Not Applicable
Partition Coefficient (n-octanol/water) Log Pow	: —		See Section 12 for more information
Autoignition temperature °C	: 382	92/69/EEC A.15	
Decomposition temperature °C	: No data available		
Kinematic viscosity mm ² /s 40 °C	: 51-733	OECD 114	
Explosive properties	: Not an explosive		
Oxidizing properties	: Not oxidizing		
Other Information			
Bulk density g/ml	: —		Not Applicable
Surface tension mN/m	: —		No data available

Section 10: STABILITY AND REACTIVITYReactivity

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	: 300 - 2000	Rat	OECD 423	
Dermal LD50 mg/kg	: > 2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h	: > 1.55	Rat	OECD 403	Maximum attainable concentration
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization	: Not a skin sensitizer	Guinea pig	OECD 406; (M&K test)	

Chronic toxicity

Germ cell mutagenicity

Chemical Name
Imidacloprid : Not classified

Carcinogenicity

Chemical Name
Imidacloprid : Not Carcinogenic

Reproductive toxicity

Chemical Name
Imidacloprid : Not toxic for the reproductive system

STOT - single exposure

Chemical Name
Imidacloprid : No data available

STOT - repeated exposure

Chemical Name
Imidacloprid : No data available

Aspiration hazard

Chemical Name
Imidacloprid : No data available

Section 12: ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Acute toxicity				
Fish 96-hour LC50 mg/l	: ---			Not available
Crustacea 48-hour EC50 mg/l	: ---			Not available
Algae 72-hour EC50 mg/l	: ---			Not available
Other plants EC50 mg/l	: ---			Not available

Terrestrial Toxicity**Birds Oral LD50 mg/kg****Chemical Name**

Imidacloprid : 31 Coturnix japonica OECD 205

Bees Oral LD50 µg/bee**Chemical Name**

Imidacloprid : 0.0037 OECD 213; OECD 214

Persistence and degradability**Abiotic Degradation****Water DT50 days****Chemical Name**

Imidacloprid : 0.2-10

Soil DT50 days**Chemical Name**

Imidacloprid : 106-193

Biodegradation**Chemical Name**

Imidacloprid : Not readily biodegradable

Bioaccumulative potential**Partition Coefficient****(n-octanol/water) Log Pow****Chemical Name**

Imidacloprid : 0.57 OECD 107

Bioconcentration factor (BCF)**Chemical Name**

Imidacloprid : 0.88

Mobility in soil**Adsorption/Desorption****Chemical Name**

Imidacloprid : 109-411 OECD 106 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	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidacloprid)
Hazard Class	9
Packing Group	III
Marine pollutant	Yes
Special precautions for user	

RID/ADR

UN/ID No	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidacloprid)
Hazard Class	9
Packing Group	III
Environmental hazard	Yes
Special precautions for user	

ICAO/IATA

UN/ID No	3082
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Imidacloprid)
Hazard Class	9
Packing Group	III
Environmental hazard	Yes
Special precautions for user	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable



Section 15: REGULATORY INFORMATION

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

Section 16: OTHER INFORMATION

Revision Note *** - Change from previous version.