



Sulphur mills limited



604/605, 349 - Business Point, 6th floor, Western Express Highway, Andheri (East), Mumbai - 400 069. INDIA
Tel.: +91-22-56910011 (8Lines) • Fax : +91-22-56910308 • E-mail : sml@sulphurmills.com • Website : www.sulphurmills.com

Material Safety Data Sheet

Product Name: Imidacloprid 70 % WG

Updated on : 19.02.2016

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

- **Product details**
- **Trade name:** IMIDASHOT DF
- **Product name:** Imidacloprid 70 % WG
- **Registration number:** 70905-3
- **Application of the substance / the preparation**
 - Plant protection - Agricultural pesticides
- **Manufacturer/Supplier:**
Sulphur Mills Limited
604/605, 6th Floor,
349-Business Point
Western Express Highway,
Andheri (East),
Mumbai - 400 069,
India
- **Further information obtainable from:**
Tel.: + 91 22 – 4345 2222
Fax : +91 22 4345/2245
Email : sml@sulphurmills.com

2. Hazards identification

- **Hazard pictograms:**



- **Signal word:** Harmful

Harmful if swallowed.
Harmful to aquatic life.

- **Precautionary statements**
Wash hand and face thoroughly after handling
Do not eat, drink or smoke when using this product
Rinse mouth.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
Dispose of contents/container in accordance with local/regional/national/international regulations.
Avoid release to the environment.



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3. Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

Chemical Name	CAS No.	Concentration (%w/w)
Imidacloprid	CAS: 138261-41-3	70.00

4 First aid measures

General advice

Move out of dangerous area. Place and transport victim in stable position (lying sideways).
Remove contaminated clothing immediately and dispose of safely.

Inhalation

Move the patient to fresh air and keep at rest. Call a physician immediately.

Skin contact

In case of contact with skin wash off immediately with polyethylene glycol 400, then with plenty of water. If symptoms persist, call a physician.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion

Call a physician or poison control center immediately. Rinse mouth. Induce vomiting only, if: patient is fully conscious, medical aid is not readily available, a significant amount has been ingested

Note to physician:

Treat symptomatically.

Monitor: respiratory and cardiac functions.

In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable.

5 Firefighting measures

Steps to be taken: Stop leak, if safe to do so. Contain spillage. Absorb in sawdust or sand for disposal. Eliminate sources of ignition. Use personal protective equipment. Stay upwind.

Cordon off the area.

Personal Precautions:

Avoid contact with spilled product or contaminated surfaces.

Remove all sources of ignition.

Use personal protective equipment.

Environmental Precautions:



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Do not allow to get into surface water, drains and ground water.

Method of cleaning Waste Disposal:

Local regulations should be adhered to. Incineration in controlled furnace. Destroy the empty containers in a safe and authorized place. If burnt avoid inhalation of smoke (if burning permitted). Never re-use empty packs.

6 Accidental release measures

· **Person-related safety precautions:**

- Isolate and define the affected area.
- Remove sources of ignition.
- Use appropriate respiratory protection.
- Wear protective clothing, gloves and eye protection and face.
- Prevent access to the affected area of animals and / or unauthorized persons

· **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water

- **Measures for cleaning/collecting:** *Dispose contaminated material as waste according to item 13.*

7 Handling and storage

· **Handling:**

· **Information for safe handling:** *Use only in area provided with appropriate ventilation.*

· **Information about fire - and explosion protection:** *Dust may form explosive mixture with air. Keep away from heat and ignition sources.*

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in original container and out of the reach of children, preferably in a locked storage area.

· **Information about storage in one common storage facility:** *Store away from incompatibles.*

· **Further information about storage conditions:**

Store in a cool, dry place and in such a manner as to prevent cross contamination with other crop protection Products, fertilizers, food, and feed.

8 Exposure controls/personal protections

· **Additional information about design of technical facilities:** *No further data; see item 7.*

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.



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Wash hands before breaks and at the end of work.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:** Protective gloves

· **Eye protection:** Safety glasses with side-shields

· **Body protection:** Wear appropriate protective clothing to prevent skin contact.

9 Physical and chemical properties

· General Information	
· Appearance:	
Form:	Granules
Colour:	brown
· Odour:	characteristic
· Change in condition	
Melting point/Melting range:	-----
Boiling point/Boiling range:	-----
· Flash point:	Non flammable
· Danger of explosion:	Non explosive
· Density(tap):	0.697 g/cm ³
· Solubility in / Miscibility with water:	Dispersible in water

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Materials to be avoided:**

· **Dangerous reactions** No dangerous reactions known.

· **Dangerous decomposition products:**

No decomposition products are expected under normal conditions of use

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

138261-41-3 (E)-1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine



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Oral	LD 50	500 mg/kg (rats)
Dermal	LD 50	>2000 mg/kg (rats)
Inhalative	LC 50 (4 hr)	7.76 mg/L (rats)

· **Primary irritant effect:**

- **On the skin:** non irritating
- **On the eye:** non irritating
- **Sensitization:** Non sensitization

· **Additional toxicological information:**

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
Mutagenicity: The substance was found to be non - mutagenic as per Ames test

12 Ecological information

CAS NO: 138261-41-3

Mobility: Not applicable for this mixture.

Bioaccumulative: Not applicable for this mixture.

· **Ecological effects:**

107534-96-3 1-(4-chlorophenyl)-4,4-dimethyl-3-(1,2,4-triazol-1-ylmethyl)pentan-3-ol	
Bird LD50	Japanese quail 32.25 mg/kg
Fish LC50(96hrs)	88.39 mg/L for Danio rerio
Daphnia EC ₅₀ (48hrs)	LC ₅₀ (48 h) 28.89 mg/L (daphnia)
Algae EC50 (72 hr)	154.74 mg/l
Honey bee LD50 (48hr)	0.07 µg/bee,

13 Disposal considerations

- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID :**
As per Local Transport Regulation



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· **Maritime transport IMDG:**



- **IMDG Class:** 9
- **UN Number:** 3077
- **Packaging group:** III
- **EMS Number:** F-A,S-A
- **Marine pollutant:** Yes
Symbol (fish and tree)
- **Proper shipping name:** 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID N.O.S. (IMIDACLOPRID)

15 Regulatory information

- **Labelling according to Regulation (EC)**
- **Hazard pictograms:** Please refer section 2
- **Signal word:** Harmful
- **Hazard-determining components of labelling:** Please refer section 2
- **Hazard statements** Please refer section 2
- **Precautionary statements** Please refer section 2

16 Other information

DISCLAIMER

Information contained in this material safety data sheet is believed to be reliable but no representation; guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. It is up to the User/Distributor to ensure that the information contained in the material safety data sheet is relevant to the product manufactured/handled or sold by him as the case may be, Sulphur Mills Ltd. makes no warranties, expressed or implied, in respect of the adequacy of this document for any particular purpose.