

MATERIAL SAFETY DATA SHEET

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Revised edition no : 2

Date : 26 / 5 / 2014

Supersedes : 2 / 6 / 2010

Sombrero 700 WS**R-21180.NOCOLOR.
NW**

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

Trade name : Sombrero 700 WS
Substance name : imidacloprid :1-(6-chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine
Product code : R-21180.NOCOLOR.NW
Common name of active ingredients : Imidacloprid
Chemical formula : imidacloprid : C₉H₁₀CIN₅O₂
Type of product : Insecticide
Relevant identified uses : Insecticide
Company identification : ADAMA SOUTH AFRICA (PTY) LTD
21 Viben Street
Brackenfell 7560
Phone nr : +27 82 331 6463
+27 21 982 1460

SECTION 2. Hazards identification

Physical/Chemical Hazards : Dust explosion hazards
Human health hazards : Harmful by inhalation and if swallowed.
Environmental hazard : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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
Imidacloprid	70 %	138261-41-3	428-040-8	612-252-00-4	----	Xn; R22 N; R50-53
Alkylated naphthalene sulfonate blend	< 10 %	----	----	----	----	Xi; R38-41
Condensed naphthalene sulfonate	< 10 %	----	----	----	----	Xi; R36/38

SECTION 4. 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. Obtain medical attention.
Eye contact : Wash off with plenty of water . 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. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Immediately get medical attention.
Note to physician : No specific antidote known. Treat symptomatically and give supportive therapy. If ingested perform gastric lavage and administer activated charcoal.

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SECTION 5. Fire-fighting measures

- Suitable extinguishing media** : Water spray , foam , dry chemical , carbon dioxide , sand .
- Specific hazards** : Thermal decomposition may generate : carbon monoxide , nitrogen oxides , hydrogen cyanide , hydrogen chloride .
- Protection against fire** : Wear proper protective equipment. Use self-contained breathing apparatus when in close proximity to fire.
- Special procedures** : Exercise caution when fighting any chemical fire. Fight fire in early stages if safe to do so. Dike fire control water for later disposal.

SECTION 6. Accidental release measures

- For emergency responders** : Use appropriate protection (see section 8).
Avoid all unnecessary exposure.
- Environmental precautions** : Do not discharge into the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- Clean up methods** : Collect spilled material with shovel,place into a clean container and cover container loosely .
Wash away remainder with plenty of water.

SECTION 7. Handling and storage

- Handling** : Use only in well ventilated areas. Do not breathe dust. Avoid dust production.
Dust explosion hazards .
- Storage** : Keep container tightly closed. Keep in original containers. Keep out of the reach of children .
Keep away from food, drink and animal feedingstuffs . Keep away from sources of ignition -
No smoking . Avoid temperatures above 40 °C .
- Packing** : High density polyethylene or low density polyethylene .

SECTION 8. Exposure controls/personal protection

- : Ventilation required. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Wash clothing before re-using.
- **Respiratory protection** : Filter mask, type ABEK-P2
 - **Hand protection** : PVC gloves / nitrile rubber gloves
 - **Skin protection** : Wear suitable protective clothing
 - **Eye protection** : Chemical goggles or face shield.

SECTION 9. Physical and chemical properties

- Physical state at 20 °C** : Powder
- Colour** : Colourless
- Odour** : characteristic
- pH value in distilled water** : 9.8 (1% solution)
- Flammability** : Not flammable
- Density [g/ml]** : 1.712 (20 °C)
- Explosion limits** : Dust explosion hazards

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NW****SECTION 10. Stability and reactivity**

Chemical stability	: Stable under normal conditions.
Hazardous decomposition products	: Thermal decomposition may generate : carbon monoxide , nitrogen oxides , hydrogen cyanide , hydrogen chloride .
Hazardous polymerization	: Will not occur.
Materials to avoid	: strong oxidizing agents , strong acids , bases .
Conditions to avoid	: Direct sunlight , heat , open flame .

SECTION 11. Toxicological information

- Rat oral LD50 [mg/kg]	: 300 < LD50 < 2000
- Dermal, Rat LD50 [mg/kg]	: > 2000
- Rat inhalation LC50 [mg/l/4h]	: > 2.53
Dermal irritation (rabbit)	: Slight irritant
Eyes irritation (rabbit)	: Slight irritant
Sensitization	: Buehler method : Non sensitizer

SECTION 12. Ecological information

Ecological effects information	: For Imidacloprid Tech.:
96 H-LC50 - Rainbow trout [mg/l]	: 211
48 H-EC50 - Daphnia magna [mg/l]	: 85
72 H-EC50 - Algae [mg/l]	: > 10
24h-LC50-Chironomus riparius [mg/l]	: 0.0552

SECTION 13. Disposal considerations


General	: Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.
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SECTION 14. Transport information

UN N°	: 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (70% Imidacloprid)
- H.I. no	: 90
ADR - Special provision	
ADR - Class	: 9
ADR - Group	: III
Sea transport (IMDG) [English only]	
- IMO-IMDG - class or division	: 9
- Packing group	: III
- IMDG-Marine pollution	: Marine pollutant - Polluant marin

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SECTION 15. Regulatory information

EU Classification	: This product is provisionally labelled by the supplier in accordance to the EU regulations: :
Symbol(s)	 
R Phrase(s)	: Xn: Xn : Harmful. N: N : Dangerous for the environment. : R20/22 - Harmful by inhalation and if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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. S46 - If swallowed seek medical advice immediately and show this container or label. S60 - This material and its container must be disposed of as hazardous waste. S61 - Avoid release to the environment. Refer to special instructions/Safety data sheets.

SECTION 16. Other information

List of relevant R phrases (heading 3)	: R22 - Harmful if swallowed. R36/38 - Irritating to eyes and skin. R38 - Irritating to skin. R41 - Risk of serious damage to eyes. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Print date	: 26 / 5 / 2014
Recommended uses and restrictions	: Insecticide

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