

SAFETY DATA SHEET



Algrip 20WP

Version 1.0

Revision Date 08.01.2018

Ref. 130000029137

This SDS adheres to the standards and regulatory requirements of India and may not meet the regulatory requirements in other countries.

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

Product information

Trade name : Algrip 20WP

Use of the
Substance/Mixture : Herbicide

Information on
manufacturer/Supplier :
Importer/Local Agent : **FMC INDIA PRIVATE LIMITED**
Contact : Embassy Star, No. 8,
Palace Road, High Grounds, Gurgaon - 122002, Haryana
Bangalore – 560 052
India

Customer care : +91-80-22384311,
representative:
For fire, leak, spill or other : U.S.A.: +1 800 / 424 9300 (CHEMTREC)
accident emergencies: All other countries: +1 703 / 527 3887 (CHEMTREC - Collect)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : B11589116

Components

Chemical Name	CAS-No.	Concentration
Metsulfuron methyl	74223-64-6	20 %
Other Ingredients		80 %

3. HAZARDS IDENTIFICATION

Risks

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety data

This material and its container must be disposed of as hazardous waste.

4. FIRST AID MEASURES

General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary. Call a poison control center or doctor for treatment advice.

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| Skin contact | : | Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. |
| Eye contact | : | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Ingestion | : | Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person. |

5. FIREFIGHTING MEASURES

- | | | |
|--|---|---|
| Suitable extinguishing media | : | Water spray, Foam, Dry chemical, Carbon dioxide (CO ₂) |
| Extinguishing media which shall not be used for safety reasons | : | High volume water jet, (contamination risk) |
| Special protective equipment for firefighters | : | Wear full protective clothing and self-contained breathing apparatus. |
| Further information | : | <p>Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.</p> <p>(on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.</p> |

6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---------------------------|---|---|
| Environmental precautions | : | Prevent material from entering sewers, waterways, or low areas. |
| Methods for cleaning up | : | Sweep up and shovel into suitable containers for disposal. |
| Additional advice | : | Never return spills in original containers for re-use. Dispose of in accordance with local regulations. |

7. HANDLING AND STORAGE**Handling**

- | | | |
|---|---|---|
| Advice on safe handling | : | Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. |
| Advice on protection against fire and explosion | : | Keep away from heat and sources of ignition. |

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Storage

Requirements for storage areas and containers : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Store in a cool, dry place. Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

No information available.

Engineering measures : Ensure adequate ventilation.

Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge. Provide adequate ventilation.

Hand protection : Material: Protective gloves

Eye protection : Wear protective eyewear to prevent contact with this substance.

Skin protection : Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.

Hygiene measures : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

Protective measures : All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated. End users of this product should follow label instructions for personal protection when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid

pH : no data available

10. STABILITY AND REACTIVITY

Conditions to avoid : None reasonably foreseeable.

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Materials to avoid	: No materials to be especially mentioned.
Hazardous decomposition products	: No information available.
Hazardous reactions	: Polymerization will not occur. Stable at normal temperatures and storage conditions.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Oral**

Metsulfuron methyl : LD50/Rat: > 5,000 mg/kg

Inhalation

Metsulfuron methyl : LC50/4 h/Rat(dust/mist): > 5.3 mg/l

DermalMetsulfuron methyl : LD50/Rabbit: > 5,000 mg/kg
The result is based on a weight of evidence approach.**Skin corrosion/irritation**Metsulfuron methyl : Species: Rabbit
Result: No skin irritation**Serious eye damage/eye irritation**Metsulfuron methyl : Species: Rabbit
Result: No eye irritation**Respiratory or skin sensitisation**Metsulfuron methyl : Species: Guinea pig
Result: Animal test did not cause sensitization by skin contact.**Germ cell mutagenicity**

Metsulfuron methyl : Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

CarcinogenicityMetsulfuron methyl : Not classifiable as a human carcinogen.
Did not show carcinogenic effects in animal experiments.**Reproductive toxicity**Metsulfuron methyl : Reproductive toxicity: No toxicity to reproduction
Animal testing did not show any effects on fertility.
Teratogenicity: Animal testing showed no developmental toxicity.**Specific Target Organ Toxicity****Specific target organ toxicity - repeated exposure**

Algrip 20WP : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

Aspiration hazard

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Algrip 20WP : No aspiration toxicity classification

Other

Metsulfuron methyl

: Repeated dose toxicity:
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Oral/Rat
Reduced body weight gain, Organ weight changes, Liver
Dermal/Rabbit
Skin irritation

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Acute and prolonged toxicity to fish

Metsulfuron methyl : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 150 mg/l

Toxicity to aquatic plants

Metsulfuron methyl : EC50/72 h/Anabaena flos-aquae (cyanobacteria): 0.066 mg/l
EC50/14 d/Lemna minor: 0.00036 mg/l

Acute toxicity to aquatic invertebrates

Metsulfuron methyl : EC50/48 h/Daphnia magna (Water flea): > 120 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

Algrip 20WP : See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS

Product : In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Do not re-use empty containers.

14. TRANSPORT INFORMATION**IMDG**

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Metsulfuron methyl)
Class : 9
Packing group : III
Marine pollutant : yes (Metsulfuron methyl)

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IATA

UN number	:	3077
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metsulfuron methyl)
Class	:	9
Packing group	:	III
Matters needing attention for transportation	:	Not applicable
Hazchem Code	:	2Z

15. REGULATORY INFORMATION**National regulatory information**

Product subject to regulatory requirements under the Insecticides Act, 1968 and Insecticides Rules, 1971

Regulations in other countries

Symbol(s)	:	N	Dangerous for the environment
R-phrases(s)	:	R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	:	S60	This material and its container must be disposed of as hazardous waste.

16. OTHER INFORMATION**Sources of key data used to compile the Safety Data Sheet:**

1. The Factories Act, 1948, The Second Schedule: Permissible levels of certain chemical substances in work environment, as amended through April, 2001
2. Manufacture, Storage and Import of Hazardous Chemical Rules 1989, as amended through January 2000
3. Insecticide Act, 1968 (46 of 1968, Dt. 2-9-1968)
4. Insecticide Rule, 1971 (GSR 1650, Dt. 9-10-1971)

Further information:

Take notice of the directions of use on the label.

Significant change from previous version is denoted with a double bar.

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