

SAFETY DATA SHEET



ALLY® 20 DF

Version 1.0

Revision Date 08.01.2018

Document no. 130000027262

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 name : ALLY® 20 DF

Other names : B10481566

Recommended use of the chemical and restriction on use

Recommended use : Herbicide

Restrictions on use : Do not use product for anything outside of the above specified uses.

Manufacturer, importer, supplier, representative office

Company : FMC INDIA PRIVATE LIMITED

Street address : Embassy Star, No. 8,
Palace Road, High Grounds, Gurgaon - 122002, Haryana
Bangalore – 560 052
India

Customer care
representative: : +91-80-22384311,

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

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute aquatic toxicity : Category 1

Chronic aquatic toxicity : Category 1

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary
statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

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Components

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

4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

- Inhalation** : Move to fresh air. Call a poison control center or doctor for treatment advice.
- 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. If eye irritation persists, consult a specialist.
- Ingestion** : Consult a physician if necessary. 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. Never give anything by mouth to an unconscious person.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : No information available.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Dry chemical, Foam, Carbon dioxide (CO2)
- Unsuitable extinguishing media** : High volume water jet, (contamination risk)
- Specific hazards** : No information available.
- Special protective equipment for firefighters** : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
- Specific extinguishing methods** : No information available.
- Further information** : Evacuate personnel and keep upwind of fire. If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Do not allow run-off from fire fighting to enter drains or water courses. Cool containers/tanks with water spray. Control Runoff. (on small fires) Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and cleaning up** : Clean-up methods - large spillage Prevent further leakage or spillage. Use approved industrial vacuum cleaner for removal. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up. Shovel into suitable container for disposal. Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal.
- Additional advice** : Refer to the product label for instructions.

7. HANDLING AND STORAGE**Handling**

- Technical measures/Precautions** : Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment.
- Precautions for safe handling** : Dust may form explosive mixture in air. Keep away from heat and sources of ignition.

Storage

- Suitable storage conditions** : Store in original container. Store in a cool, dry place. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Store product in original container only in a location inaccessible to children and pets. Observe label precautions.

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

No occupational exposure limit values are applicable.

- Engineering measures** : Use sufficient ventilation to keep employee exposure below recommended limits.

- 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.
- Hand protection** : Material: Protective gloves
- Eye protection** : Wear protective eyewear to prevent contact with this substance.

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Skin protection	: Wear protective clothing such as gloves, apron, boots, or coveralls, as appropriate.
Hygiene measures	: Avoid contact with skin, eyes and clothing. Avoid breathing dust. Wash thoroughly after handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
Protective measures	: End users of this product should follow label instructions for personal protection when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)

Physical state	: solid
Form	: granular
Colour	: white

Odour : odourless

Odour Threshold : No information available.

pH : 4.2 (10 g/l)

Melting point/freezing point

No information available.

Initial boiling point and boiling range

No information available.

Flash point : Not applicable

Evaporation rate : No information available.

Flammability (solid, gas) : No information available.

Upper/lower flammability or explosive limits

Upper explosion limit	: No information available.
Lower explosion limit	: No information available.

Vapour pressure : No information available.

Vapour density : No information available.

Density

Bulk density	: 730 kg/m ³
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Solubility(ies)

Water solubility	: 2.8 g/l
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Partition coefficient: n-octanol/water : No information available.

Auto-ignition temperature

No information available.

Decomposition temperature : No information available.

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Viscosity

Viscosity, kinematic : No information available.

Molecular weight

: No information available.

10. STABILITY AND REACTIVITY**Reactivity**

: No information available.

Chemical stability

: Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions

: Polymerization will not occur.

Conditions to avoid

: No information available.

Materials to avoid

: None reasonably foreseeable.

Hazardous decomposition products

: No information available.

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

ALLY® 20 DF : LD50/Rat: > 5,000 mg/kg

InhalationALLY® 20 DF : LC50/4 h/Rat(dust/mist): > 5 mg/l
The substance or mixture has no acute inhalation toxicity**Dermal**ALLY® 20 DF : LD50/Rabbit: > 2,000 mg/kg
The substance or mixture has no acute dermal toxicity**Skin corrosion/irritation**ALLY® 20 DF : Species: Rabbit
Result: No skin irritation**Serious eye damage/eye irritation**ALLY® 20 DF : Species: Rabbit
Result: No eye irritation**Respiratory or skin sensitisation**ALLY® 20 DF : Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.**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.

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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

No information available.

Aspiration hazard

No information available.

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 (common duckweed): 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

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

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

: In accordance with local and national regulations. Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging

: Do not re-use empty containers.

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14. TRANSPORT INFORMATION

IMDG

UN number : 3077
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Metsulfuron methyl)
Transport hazard class : 9
Packing group : III
Hazchem Code : 2Z
Marine pollutant : yes (Metsulfuron methyl)

IATA

UN number : 3077
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Metsulfuron methyl)
Transport hazard class : 9
Packing group : III

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : Not applicable

15. REGULATORY INFORMATION

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

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

References

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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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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.