

SAFETY DATA SHEET



Almix® 20 WP

Version 3.0
Document no. 130000029001

Revision Date 25.06.2019
Issue Date 25.06.2019

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

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

Product name : Almix® 20 WP

Other names : B10181471

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 : Du Pont Production Agriscience (Malaysia) Sdn Bhd
Street address : B-3-3, The Ascent Paradigm, SS 7 /26A, Kelana Jaya 47301, Selangor.
Malaysia
Telephone : +60 3 7800 0280
Telefax : +60 3 7800 8415

Emergency telephone number : +60 3 7800 0287

2. HAZARDS IDENTIFICATION

Product hazard classification

Hazardous to the aquatic environment - acute hazard : Category 1

Hazardous to the aquatic environment - chronic hazard : 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

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Chemical nature : Mixture

Components

Chemical name	CAS-No.	Concentration
Metsulfuron methyl	74223-64-6	10 %
Chlorimuron ethyl	90982-32-4	10 %
Other Ingredients		80 %

4. FIRST AID MEASURES

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.

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 : 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. 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.

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, Foam, Dry chemical, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

Specific hazards : No information available.

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- Special protective equipment for firefighters** : In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
Fire will produce dense black smoke containing hazardous combustion products (see section 10).
- Specific extinguishing methods** : No information available.
- Further information** : 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.
(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.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment.
Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable protective equipment.
- Environmental precautions** : Prevent material from entering sewers, waterways, or low areas.
- Methods and materials for containment and 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

- Technical measures/Precautions : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
- Precautions for safe handling : Keep away from heat and sources of ignition.

Storage

- Suitable storage conditions : 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 occupational exposure limit values are applicable.

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- Engineering measures** : Use only with 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.
- 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** : Avoid breathing dust. Avoid contact with skin, eyes and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wash all protective clothing after use.
- 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**Appearance (Physical state, form, colour, etc.)**

- Physical state : solid
Form : wettable powder
Colour : beige

Odour : slight

Odour Threshold : No information available.

pH : 7.9

Melting point/freezing point

No information available.

Initial boiling point and boiling range

No information available.

Flash point : No information available.

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.

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Vapour pressure : No information available.

Vapour density : No information available.

Density
No information available.

Solubility(ies)
Water solubility : No information available.

Partition coefficient: n-octanol/water : No information available.

Auto-ignition temperature
No information available.

Decomposition temperature : No information available.

Viscosity
Viscosity, kinematic : No information available.

Molecular weight : No information available.

Oxidizing properties : No information available.

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Chemical stability : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : Hazardous 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

Almix® 20 WP : LD50/Rat: > 5,000 mg/kg

Inhalation

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

Chlorimuron ethyl : LC50/4 h/Rat(dust/mist): > 5 mg/l

Dermal

Almix® 20 WP : LD50/Rat: > 2,000 mg/kg

Skin corrosion/irritation

Almix® 20 WP : Species: Rabbit

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Result: No skin irritation

Serious eye damage/eye irritation

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: Species: Rabbit
Result: No eye irritation**Respiratory or skin sensitisation**

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: Species: Guinea pig
Result: 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.

Chlorimuron ethyl

: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.

Carcinogenicity

Metsulfuron methyl

: Not classifiable as a human carcinogen.
Did not show carcinogenic effects in animal experiments.

Chlorimuron ethyl

: Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.**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.

Chlorimuron ethyl

: Reproductive toxicity: No toxicity to reproduction
Teratogenicity: Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.**Specific Target Organ Toxicity**

Specific target organ toxicity - single exposure

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

Specific target organ toxicity - repeated exposure

Chlorimuron ethyl

: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Aspiration hazard

Chlorimuron ethyl

: No aspiration toxicity classification

Other

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: Information presented in this Section conforms to the requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard of 2012. See Section 15 for applicable information conforming to the requirements of the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as required by the US Environmental Protection Agency (EPA), or by state Regulatory Agencies.

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12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Acute and prolonged toxicity to fish

- Metsulfuron methyl : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 150 mg/l
Chlorimuron ethyl : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 1,000 mg/l
LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 100 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
Chlorimuron ethyl : EC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.001 mg/l

Acute toxicity to aquatic invertebrates

- Metsulfuron methyl : EC50/48 h/Daphnia magna (Water flea): > 120 mg/l
Chlorimuron ethyl : EC50/48 h/Daphnia magna (Water flea): > 1,000 mg/l

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility in soil

No information available.

Other adverse effects

- Almix® 20 WP : See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : 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
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Metsulfuron methyl, Chlorimuron ethyl)
Transport hazard class : 9
Packing group : III
Marine pollutant : yes (Metsulfuron methyl, Chlorimuron ethyl)

IATA

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

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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

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.
Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.
Pesticides Act 1974 (Act 149) (Incorporating all amendments up to 1 January 2006).

16. OTHER INFORMATION

References

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