

# SAFETY DATA SHEET



## DuPont™ Almix® 20 WP

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

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** : DuPont™ Almix® 20 WP

**Other names** : B10181471

**Recommended use of the chemical and restriction on use**

Recommended use : Herbicide

**Manufacturer, importer, supplier**

Company : E. I. DuPont India Pvt. Ltd.

Street address : 7th Floor, Tower C, DLF Cyber Greens, Sector 25A, DLF City Phase III, Gurgaon - 122002, Haryana  
India

Telephone : +91-124-2540900

Telefax : +91-124-2540889 / 90 / 91 / 92

**Emergency telephone number** : +91-124-4092888 / +91-124-2353777

### 2. HAZARDS IDENTIFICATION

**Product hazard classification**

Acute toxicity (Dermal) : Category 5

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 : May be harmful in contact with skin.  
Very toxic to aquatic life with long lasting effects.

Precautionary statements : Call a POISON CENTER/doctor if you feel unwell.  
Collect spillage.  
Dispose of contents/ container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Mixture

**DuPont™ Almix® 20 WP**

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

**Components**

Chemical name	CAS-No.	Concentration
Metsulfuron methyl	74223-64-6	10.1 %
Chlorimuron ethyl	90982-32-4	10.1 %
Other Ingredients		79.8 %

**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.
- 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 (CO<sub>2</sub>)
- 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. Wear full protective equipment.
- Specific extinguishing methods** : No information available.

# SAFETY DATA SHEET



## DuPont™ Almix® 20 WP

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

**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.

**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 : No information available.

#### 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

Applicable occupational exposure limits are listed below.

Chemical name	Occupational Exposure Limits	Regulation
Silica gel, precipitated, crystalline-free		
TWA	10 mg/m <sup>3</sup> (Total dust.)	IN OEL (2001)

**Engineering measures** : Use only with adequate ventilation.

# SAFETY DATA SHEET



## DuPont™ Almix® 20 WP

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

**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.

**Vapour pressure** : No information available.

**DuPont™ Almix® 20 WP**

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

**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.**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

DuPont™ Almix® 20 WP : LD50/Rat: &gt; 5,000 mg/kg

Inhalation

Metsulfuron methyl : LC50/4 h/Rat(dust/mist): &gt; 5.3 mg/l

Chlorimuron ethyl : LC50/4 h/Rat(dust/mist): &gt; 5 mg/l

Dermal

DuPont™ Almix® 20 WP : LD50/Rat: &gt; 2,000 mg/kg

**Skin corrosion/irritation**DuPont™ Almix® 20 WP : Species: Rabbit  
Result: No skin irritation

**DuPont™ Almix® 20 WP**

Version 3.0

Revision Date 19.07.2016

Document no. 13000029001

**Serious eye damage/eye irritation**

DuPont™ Almix® 20 WP : Species: Rabbit  
Result: No eye irritation

**Respiratory or skin sensitisation**

DuPont™ Almix® 20 WP : 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

DuPont™ Almix® 20 WP : 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**

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

Chlorimuron ethyl : Repeated dose toxicity:  
The following effects occurred at levels of exposure that significantly

# SAFETY DATA SHEET



## DuPont™ Almix® 20 WP

Version 3.0

Revision Date 19.07.2016

Document no. 13000029001

exceed those expected under labeled usage conditions.  
Dermal/Rabbit  
No toxicologically significant effects were found.  
Oral/Dog  
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Abnormal decrease in number of red blood cells  
Oral/Rat  
No adverse effect has been observed in chronic toxicity tests.

## 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

DuPont™ 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

# SAFETY DATA SHEET



## DuPont™ Almix® 20 WP

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

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

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

SDS Number: 130000029001

### Revision Date/Version

Date of first preparation : 25.08.2011  
Revision Date : 19.07.2016  
Version : 3.0

® Registered trademark of E.I. du Pont de Nemours and Company

Take notice of the directions of use on the label.

™ Trademark of E.I. du Pont de Nemours and Company.

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



# SAFETY DATA SHEET



## **DuPont™ Almix® 20 WP**

Version 3.0

Revision Date 19.07.2016

Document no. 130000029001

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.