

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

-- SAFETY DATA SHEET --

REF. 000000128/N/GB

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PRINT DATE 2001-12-17

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AGRICULTURAL PRODUCTS DEPARTMENT

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product code: B10042355

Product name: ALLY\*

MAFF 02977

Supplier:  
Du Pont (U.K.) Limited  
Wedgwood Way  
Stevenage, Herts. SG1 4QN / Great Britain  
Tel: 01438 734000

Emergency telephone number:  
(02871) 861.313

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation: sulfonylurea based herbicide

Synonyms: Allie, Gropper, Jubilee, Lorate

Hazardous components	Weight %	CAS-No
Metsulfuron methyl (active ingredient)	20	74223-64-6

Classification:  
Metsulfuron methyl; N; R50/53

Chemical name of the substance  
Metsulfuron methyl; Methyl-2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoate

### 3. HAZARDS IDENTIFICATION

Most important hazards: No hazards deemed to be of major importance.

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

### 4. FIRST AID MEASURES

Inhalation: Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician after significant exposure.

Skin contact: Wash off immediately with soap and plenty of water.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

Ingestion: Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Notes to physician: For specialist advice physicians should contact the National Poisons Information Service, (24-hr), London, Tel: 020-7635-9191 or Birmingham, Tel: 0870-600-6266.

\* DuPont's registered trademark

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#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>)

Extinguishing media which must not be used for safety reasons: high volume water jet (contamination risk)

Special protective equipment for firefighters: In the event of fire, wear self-contained breathing apparatus.

Specific methods: (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 spray water.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: wear personal protective equipment

Environmental precautions: Do not flush into surface water or sanitary sewer system.

Methods for cleaning up: Clean up promptly by scoop or vacuum. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up. Use approved industrial vacuum cleaner for removal. Shovel into suitable container for disposal.

#### 7. HANDLING AND STORAGE

##### Handling

Technical measures/Precautions: Provide appropriate exhaust ventilation at places where dust is formed. Safe handling advice wear personal protective equipment Keep away from heat and sources of ignition.

##### Storage

Technical measures/Storage conditions: Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures below 140 °C. Store in a place accessible by authorized persons only.

Incompatible products: No materials to be specially mentioned.

Packaging material: No materials to be specially mentioned.

Further information: Keep out of reach of children.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure adequate ventilation, especially in confined areas.

##### Control parameters:

Metsulfuron methyl; DuPont's acceptable exposure limit: AEL(8-h and 12-h TWA) = 10 mg/m<sup>3</sup>;  
DuPont(1999)

##### Personal protective equipment

Respiratory protection: respirator with P1 filter.

Eye protection: safety glasses.

Hand protection: protective gloves

Hygiene measures: Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. For environmental protection remove and wash all contaminated protective equipment before re-use. Dispose of rinse water in accordance with local and national regulations.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: solid ( water dispersible granules )

Colour: brown

Odour: mildly bitter

pH:	( 10 g/l H2O)	4.2	
Melting point/range:		158 °C	( metsulfuron methyl )
Flash point:		Not applicable	
Explosive properties:		not flammable, not explosive	
Vapour pressure:		negligible	
Relative density:		Not applicable	
Bulk density:		730 kg/m3	
Solubility			
Water solubility:		2.8 g/l (pH7)	
Partition coefficient (n-octanol/water):		0.018 (pH7)	( metsulfuron methyl )

10. STABILITY AND REACTIVITY

Stability: Stable up to approximately 140 °C. No decomposition if stored and applied as directed.

Conditions to avoid: Avoid dust formation in confined areas.

Hazardous decomposition products: carbon oxides, nitrogen oxides, sulphur oxides.

Further information: During processing, dust may form explosive mixture in air.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

LD50/oral/rat = > 5000 mg/kg

LD50/dermal/rabbit = > 2000 mg/kg

LC50/inhalation/4h/rat = > 5.0 mg/l ( metsulfuron methyl )

Local effects: Not restricted



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15. REGULATORY INFORMATION

According to Part III of the Food and Environment Protection Act 1985 and the Control of Pesticides Regulations 1986, the product is not classified as dangerous.

16. OTHER INFORMATION

Recommended use: Agricultural Herbicide

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.