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## MATERIAL SAFETY DATA SHEET

® DuPont Registered Trademark  
N/R In Product Identification section means Not Regulated as a Dangerous Good and no UN number is allocated.

Infosafe No:DUPEA

ISSUED DUPONT 1/12/98

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### PRODUCT: DUPONT ALLY® HERBICIDE

*Not Classified as Hazardous According to Criteria of WorkSafe Australia*

#### PRODUCT IDENTIFICATION

UN No: N/R

Poisons: UNSCH (Fed)

Tradenames:  
Ally® Herbicide  
Ally® Toss-N-Go®

Manuf.:  
DuPont

ManCode:

Use: For the control of certain broadleaved weeds in winter cereal crops.

**Ingredients:**  
Metsulfuron methyl  
Inert Ingredients

CAS No:  
74223-64-6

Proportion:  
60 %  
40 %

#### Physical Description / Properties

Appearance:  
Odour: Odourless  
Colour: Off-white  
Form: Granular solid

Other Properties:  
Bulk Density: 0.68 g/cm<sup>3</sup>  
Chemical family: Sulfonylurea

#### HEALTH HAZARD INFORMATION

##### Acute Effects

Eye:

Based on animal data, eye contact with metsulfuron methyl may cause eye irritation with tearing, pain or blurred vision.

Skin:

Based on animal data, repeated dermal contact with metsulfuron methyl may cause skin irritation with itching, burning, redness, swelling or rash. Not a primary skin irritant, or skin sensitiser.

Inhaled:

May irritate throat.

Swallowed:

Not likely to be hazardous by ingestion.

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**PRODUCT: DUPONT ALLY® HERBICIDE****HEALTH HAZARD INFORMATION: (Continued)****Chronic Effects**

Animal testing indicates that metsulfuron methyl does not have carcinogenic, developmental or reproductive effects. There is a report indicating that metsulfuron methyl produced genetic damage in a mammalian cell culture test, however, other tests with metsulfuron methyl in bacterial and mammalian cell cultures and in animals did not product genetic damage. The weight of evidence suggests that metsulfuron methyl does not cause genetic damage. Long term administration caused body weight loss.

**Other Health Effects**

No data is available to confidently predict the effects of overexposure to humans, however based on animal studies, overexposure by inhalation, ingestion, or skin or eye contact may initially include eye irritation with discomfort, tearing, or blurring of vision; or irritation of the upper respiratory passages. Repeated dermal exposure may lead to skin irritation with discomfort or rash.

**First Aid****Eye:**

In cases of contact, immediately flush eyes with plenty of water for at least 15 minutes. Seek Medical attention.

**Skin:**

In case of contact, immediately wash skin with soap and plenty of water. Wash contaminated clothing before reuse.

**Inhaled:**

Avoid breathing dust. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek Medical attention.

**Swallowed:**

No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, seek Medical attention if necessary.

**Advice to Doctor**

No specific requirements. Treat symptomatically.

**Toxicity Data****Metsulfuron methyl**

Acute Oral LD<sub>50</sub> (rat): > 5000 mg/kg

Acute Dermal LD<sub>50</sub> (rabbit): > 2000 mg/kg

4 hr inhalation LC<sub>50</sub> (rat): > 5.3 mg/L

**PRECAUTIONS FOR USE****Exposure Standards:**

None established for formulated product.

**Metsulfuron methyl:**

TWA (WorkSafe): 10mg/m<sup>3</sup>, dusts not otherwise classified

AEL (DuPont): 10 mg/m<sup>3</sup> (8 and 12 hr TWA)

**Engineering Controls:**

Use only with adequate ventilation.

**Personal Protection:**

May irritate the eyes and skin. Avoid contact with eyes and skin. DO NOT inhale dust or spray mist. After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.

**PRODUCT: DUPONT ALLY® HERBICIDE****PRECAUTIONS FOR USE (Continued)****Flammability**

Not a fire and explosion hazard. May be ignited by heat or open flame.

**Environment:**

Metsulfuron methyl

96 hr LC<sub>50</sub> (rainbow trout, bluegill sunfish): > 150 mg/L

8 day oral LC<sub>50</sub> (bobwhite quail): > 5620 mg/kg

LD<sub>50</sub> (mallard duck): > 2510 mg/kg

**SAFE HANDLING INFORMATION****Storage and Transport:**

Store in the closed, original container in a cool, dry, well ventilated area out of direct sunlight. Keep from contact with fertilisers, fungicides and seeds.

**Spills and Disposal:**

Review FIRE AND EXPLOSION HAZARDS and SAFETY PRECAUTIONS before proceeding with cleanup. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean up. Dyke spill. Prevent liquid from entering the sewers, waterways, or low areas. Shovel or sweep up. DO NOT flush with water. If spill area is on ground near trees or desirable vegetation, remove the top 50 mm of soil after initial cleanup. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and local regulations. Triple rinse the container, then puncture and dispose of in a sanitary landfill, or by other approved methods. DO NOT burn empty containers or product.

**Fire/Explosion Hazard:**

Not a fire and explosion hazard. Like most organic powders, or crystals, under severe dusting conditions, this material may form explosive mixtures in air. Evacuate personnel to a safe area. Wear self-contained breathing apparatus and full protective equipment. Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide (CO<sub>2</sub>). On small fires, if area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the contamination hazard.

**Reactivity Data:**

Stable at normal temperatures and storage conditions. Decomposition will not occur. Polymerisation will not occur.

**ADDITIONAL INFORMATION****Contact Points:**

For sales, technical, and product related enquiries contact DuPont's North Sydney office on (02) 9923 6111. Outside the Sydney metropolitan area 1800 252 997 is a toll free number to North Sydney Office. To assist communications, ask for the Customer Service, Technical, or Marketing personnel for the product family relative to the inquiry.

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.