



The MSDS format adheres to the standards and regulatory requirements of the United States and may not meet regulatory requirements in other countries.

DuPont
Material Safety Data Sheet

Page 1

M0000391 "ALLY" 20WP HERBICIDE
Revised 13-AUG-2001

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

"ALLY" is a registered trademark of DuPont.

Grade : 20% FORMULATION

Tradenames and Synonyms

METSULFURON METHYL

Company Identification

MANUFACTURER/DISTRIBUTOR
DuPont
1007 Market Street
Wilmington, DE 19898

PHONE NUMBERS

Product Information : 1-800-441-7515 (outside the U.S.
302-774-1000)
Transport Emergency : CHEMTREC 1-800-424-9300(outside U.S.
703-527-3887)
Medical Emergency : 1-800-441-3637 (outside the U.S.
302-774-1000)

COMPOSITION/INFORMATION ON INGREDIENTS

Components

Material	CAS Number	%
METSULFURON METHYL (METHYL 2-[[[(4-METHOXY-6-METHYL-1,3,5- TRIAZIN-2-YL)AMINO]CARBONYL]AMINO]SULFONYL]- BENZOATE)	74223-64-6	20
INERT INGREDIENTS		80

HAZARDS IDENTIFICATION

Potential Health Effects

WARNING! May irritate eyes, nose, throat and skin.

The following data is based on a 30% formulation:

Acute oral LD50 (rat): greater than 5,000 mg/kg.
Non toxic.

(HAZARDS IDENTIFICATION - Continued)

Acute dermal LD50 (rabbit): greater than 2,000 mg/kg.
Non toxic.

The following data is based on a 30% formulation:

Skin irritation (rabbit) and sensitization (guinea pig): not a primary skin irritant, not a sensitizer.

Eye irritation (rabbit): mild to moderate corneal irritation in unwashed eyes and mild conjunctival irritation in washed eyes. All effects reversed within 7 days.

CHRONIC STUDIES: Metsulfuron methyl

FEEDING STUDY: No oncogenic effects observed in 18 month mouse and 2 year rat feeding studies.

REPRODUCTION: Slightly decreased parental body weight at 5,000 ppm. No effect on rat reproduction or lactation at any dose tested (highest dose tested 5,000 ppm).

TERATOGENICITY: Not teratogenic or embryo-fetal toxic by gavage in rats (highest dose tested 1,000 mg/kg) or by gavage in rabbits (highest dose tested 700 mg/kg).

MUTAGENICITY: Not mutagenic in Ames bacterial assay, Chinese Hamster Ovary Cell assay, or DNA rat liver repair assay; positive in the in vitro Chinese Hamster Ovary Cell cytogenetic assay but negative in the in vivo rat bone marrow cytogenetic assay.

HUMAN HEALTH EFFECTS

No data is available to confidently predict the effects of exposure 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.

Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

FIRST AID MEASURES

First Aid

INHALATION

If inhaled, immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT

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

EYE CONTACT

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION

No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

FIRE FIGHTING MEASURES

Flammable Properties

Not a fire or explosion hazard.

Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Use water spray. Runoff from fire control may be a pollution hazard.

ACCIDENTAL RELEASE MEASURES

Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

(ACCIDENTAL RELEASE MEASURES - Continued)

Initial Containment

Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill Clean Up

Shovel or sweep up.

Accidental Release Measures

If spill area is on ground near valuable plants or trees, remove top 2 inches of soil after initial cleanup.

HANDLING AND STORAGE

Handling (Personnel)

Avoid breathing vapors or mist. Avoid breathing dust. Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Handling (Physical Aspects)

Avoid dust generation. Keep away from heat, sparks and flames.

Storage

Store in a well ventilated place. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use only with adequate ventilation.

Personal Protective Equipment

The protective equipment recommended below applies for industrial handling and formulation only.

Wear safety glasses. Wear coverall chemical splash goggles and face shield when the possibility exists for eye and face contact due to splashing or spraying of material.

Wear protective clothing such as gloves, apron, boots or coveralls, as appropriate.

(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

Respiratory protection should not be required for normal use and handling. During abnormal exposures, use of an approved pesticide respirator is recommended.

Exposure Guidelines

Applicable Exposure Limits

METSULFURON METHYL

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
AEL * (DuPont)	: 10 mg/m ³ , 8 & 12 Hr. TWA

* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

PHYSICAL AND CHEMICAL PROPERTIES

Physical Data

Solubility in Water	: Dispersible
Odor	: Odorless
Form	: Solid
Color	: Off-white
Bulk Density (Loose)	: 0.63 g/mL (Average)
Bulk Density (Tap)	: 0.89 g/mL (Average)

STABILITY AND REACTIVITY

Chemical Stability

Stable at normal temperatures and storage conditions.

Incompatibility with Other Materials

None reasonably foreseeable.

Decomposition

Significant decomposition will not occur under typical storage conditions.

Polymerization

Polymerization will not occur.

ECOLOGICAL INFORMATION

Ecotoxicological Information

Aquatic Toxicity - Metsulfuron methyl:

96 hour LC50, rainbow trout: >150 ppm
96 hour LC50, bluegill sunfish: >150 ppm

Avian Toxicity - Metsulfuron methyl:

Oral LD50, mallard duck: >2,510 mg/kg
Oral LC50, bobwhite quail: >5,620 ppm

DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Remove nonusable solid material and/or contaminated soil, for disposal in an approved and permitted landfill. Do not flush to surface water or sanitary sewer system.

Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration, if allowed.

TRANSPORTATION INFORMATION

Shipping Information

DOT/IMO
Proper Shipping Name : NOT REGULATED

REGULATORY INFORMATION

U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : Yes
Chronic : No
Fire : No
Reactivity : No
Pressure : No

OTHER INFORMATION

NFPA, NPCA-HMIS

NPCA-HMIS Rating
Health : 1
Flammability : 1
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

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.

Responsibility for MSDS : DuPont Crop Protection
Wilmington, DE 19898
Telephone : 1-888-638-7668

Indicates updated section.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.

End of MSDS