

SAFETY DATA SHEET
Ally 60 XP

SDS # : 130000023958-A
Revision date: 2021-02-08
Format: NA
Version 1



1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Ally 60 XP

Other means of identification

Product Code(s) 130000023958-A (50001693)

Legacy Product Code DPX-T6376

Synonyms METSULFURON-METHYL: methyl 2-((((4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino)carbonyl)amino)sulfonyl)benzoate (CAS name); methyl 2-(4-methoxy-6-methyl-1,3,5-triazin-2-ylcarbamoylsulfamoyl)benzoate (IUPAC name)

Active Ingredient(s) (Metsulfuron-methyl)

Formula C₁₄H₁₅N₅O₆S (Metsulfuron-methyl)

Chemical Family Sulfonylurea

Recommended use of the chemical and restrictions on use

Recommended Use: Herbicide

Restrictions on Use: Use as recommended by the label.

Supplier Address

FMC Corporation
2929 Walnut Street
Philadelphia, PA 19104
(215) 299-6000 (General Information)
SDS-Info@fmc.com (E-Mail General Information)

Emergency telephone number

Medical Emergencies :
1 800 / 331-3148 (U.S.A. & Canada)
1 651 / 632-6793 (All Other Countries - Collect)

For leak, fire, spill or accident emergencies, call:
1 800 / 424-9300 (CHEMTREC - U.S.A.)
1 703 / 741-5970 (CHEMTREC - International)
1 703 / 527-3887 (CHEMTREC - Alternate)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2B
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GHS Label elements, including precautionary statements

EMERGENCY OVERVIEW

<p>Warning</p> <p>Hazard Statements H320 - Causes eye irritation</p>
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Precautionary Statements - Prevention

P264 - Wash face, hands and any exposed skin thoroughly after handling

Precautionary Statements - Response

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/ attention

Hazards not otherwise classified (HNOC)

No hazards not otherwise classified were identified.

Other Information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Family Sulfonylurea.

Chemical name	CAS-No	Weight %
Metsulfuron-methyl	74223-64-6	60
Phosphate Salt	UNASSIGNED	1-5
ALKYLATED NAPHTHALENE SULFONATE SODIUM SALT	68425-94-5	1-5

Synonyms are provided in Section 1.

4. FIRST AID MEASURES

General Advice	Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.
Eye Contact	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin Contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
Inhalation	No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
Ingestion	No specific intervention is indicated as the compound is not likely to be hazardous. Consult

a physician if necessary.

Most important symptoms and effects, both acute and delayed None known.

Indication of immediate medical attention and special treatment needed, if necessary Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical, carbon dioxide, water spray or regular foam.

Small Fire If area is engulfed in fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers/tanks with water spray.

Unsuitable extinguishing media Avoid heavy hose streams.

Specific Hazards Arising from the Chemical Dust may form explosive mixture in air.

Hazardous Combustion Products See Section 10.

Explosion data

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

Protective equipment and precautions for firefighters As in any fire, wear self-contained breathing apparatus and full protective gear. Isolate fire area. Evaluate upwind.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Isolate and post spill area. Remove all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8.

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

For further clean-up instructions, call FMC Emergency Hotline number listed in Section 1 "Product and Company Identification" above.

Environmental Precautions Keep people and animals away from and upwind of spill/leak. Keep material out of lakes, streams, ponds, and sewer drains. Keep out of waterways.

Methods for Containment Prevent further leakage or spillage if safe to do so. Dike to prevent runoff. Sweep up and shovel into suitable containers for disposal.

Methods for cleaning up Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13).

7. HANDLING AND STORAGE

Handling Wash hands before eating, drinking, chewing gum, using tobacco, or using toilet. Handle in accordance with good industrial hygiene and safety practice. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal. Keep away from open flames, hot surfaces and sources of ignition. Dust may form explosive mixture in air.

Storage Keep in a dry, cool and well-ventilated place. Keep out of reach of children and animals. Keep/store only in original container.

Incompatible products None known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering measures Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Individual protection measures, such as personal protective equipment

Eye/Face Protection For dust, splash, mist or spray exposure, wear chemical protective goggles.

Skin and Body Protection Wear suitable protective clothing. Protective shoes or boots.

Hand Protection Protective gloves

Respiratory Protection For dust, splash, mist or spray exposures, wear a filtering mask.

Hygiene measures Clean water should be available for washing in case of eye or skin contamination. Remove and wash contaminated clothing before re-use. Wash skin prior to eating, drinking, chewing gum or using tobacco. Shower or bathe at the end of working. Launder work clothing separately from regular household laundry.

General information If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers. These recommendations apply to the product as supplied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Granules
Physical State	Solid
Color	Off-white
Odor	Odorless
Odor threshold	No information available
pH	5.7 - 6.7
Melting point/freezing point	No information available
Boiling Point/Range	No information available
Flash point	No information available
Evaporation Rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Vapor pressure	No information available
Vapor density	No information available
Relative density	No information available
Specific gravity	No information available
Water solubility	2.8 g/L, Soluble in water
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, kinematic	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidizing properties	No information available
Molecular weight	No information available

Bulk density

Loose

10. STABILITY AND REACTIVITY

Reactivity	None under normal use conditions
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Heat, flames and sparks
Incompatible materials	None known.
Hazardous Decomposition Products	None known.

11. TOXICOLOGICAL INFORMATION

Product Information

LD50 Oral	> 5000 mg/kg (rat)
LD50 Dermal	> 5000 mg/kg (rabbit)
LC50 Inhalation (dust)	> 5.3 mg/L (rat) 4 hr (metsulfuron-methyl)

Serious eye damage/eye irritation	Mildly irritating (rabbit).
Skin corrosion/irritation	Non-irritating (rabbit).
Sensitization	Non-sensitizing. (guinea pig)

Chemical name	LD50 Oral	LD50 Dermal	LC50 Inhalation (vapor)
Metsulfuron-methyl (74223-64-6)	>5000 mg/kg	>5000 mg/kg	>5.3 mg/L

Information on toxicological effects

Symptoms	Irritation. Generally, sulphonylurea herbicides cause lethargy, confusion, dizziness, seizures and coma on ingestion.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Mutagenicity	Not expected to be mutagenic in humans
Carcinogenicity	Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH)
Reproductive toxicity	Not expected to have reproductive effects.
Teratogenicity	Not expected to be a teratogen.
STOT - single exposure	No specific effects after single exposure have been observed.
STOT - repeated exposure	None noted in chronic animal studies.
Aspiration hazard	The product does not present an aspiration pneumonia hazard.

12. ECOLOGICAL INFORMATION

Ecotoxicity

ENVIRONMENTAL HAZARDS: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Metsulfuron-methyl (74223-64-6)				
Active Ingredient(s)	Duration	Species	Value	Units
(Metsulfuron-methyl)	48 h LC50	Daphnia magna	>120	mg/L

	96 h LC50	Oncorhynchus mykiss (rainbow trout)	>150	ppm
	14-day EC50	Duckweed (Lemna minor)	0.00036	mg/L
	LD50 Dietary	Bobwhite quail	>5620	mg/kg
	LD50 Dietary	Mallard duck	>2510	mg/kg
	LD50	Bee	>25	µg/bee
	72 h EC50	Cyanobacteria (Aanabaena flos-aquae)	0.066	mg/L
	96 h LC50	Lepomis macrochirus (Bluegill sunfish)	>150	ppm
	21 d NOEC	Onchorhynchus mykiss	68	mg/L
	21 d NOEC	Daphnia magna	100	mg/L

Persistence and degradability Metsulfuron-methyl: Moderately persistent. Does not readily hydrolyze.

Bioaccumulation (Metsulfuron-methyl): Does not bioaccumulate.

Mobility (Metsulfuron-methyl): Mobile, Has potential to reach ground water.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods Improper disposal of excess pesticide, spray mixture, or rinsate is prohibited. If these wastes cannot be disposed of by use according to label instructions, contact appropriate disposal authorities for guidance. Proper personal protective equipment, as described in Sections 7 and 8, must be worn while handling materials for waste disposal.

Contaminated containers and packages Containers must be disposed of in accordance with local, state and federal regulations. Refer to the product label for container disposal instructions.

14. TRANSPORT INFORMATION

DOT This material is not a hazardous material as defined by U.S. Department of Transportation 49 CFR Parts 100 through 185, unless shipped in bulk packaging. The classification below pertains to the shipment in bulk packaging [(>119 gal, liquid) or (882 lb, solid)].

UN/ID no UN3077
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (metsulfuron-methyl)
Hazard class 9
Packing Group III
Marine Pollutant Yes.
Description UN3077, Environmentally hazardous substance, solid, n.o.s., (metsulfuron-methyl), 9, III, Marine pollutant

TDG Not regulated for transportation if shipped in Non Bulk packaging. The classification below pertains to the shipment in Bulk packaging.

UN/ID no UN3077
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (metsulfuron-methyl)
Hazard class 9
Packing Group III
Marine Pollutant Yes.
Description UN3077, Environmentally hazardous substance, solid, n.o.s., (metsulfuron-methyl), 9, III, Marine pollutant

ICAO/IATA

UN/ID no UN3077
Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (metsulfuron-methyl)

Hazard class	9
Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s., (metsulfuron-methyl), 9, III, Marine pollutant

IMDG/IMO

UN/ID no	UN3077
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (metsulfuron-methyl)
Hazard class	9
Packing Group	III
EmS No.	F-A, S-F
Description	UN3077, Environmentally hazardous substance, solid, n.o.s., (metsulfuron-methyl), 9, III, Marine pollutant

15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic health hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

FIFRA Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Causes moderate eye irritation. Avoid contact with skin, eyes and clothing.
Avoid breathing dust or spray mist.

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations

International Inventories

Chemical name	TSCA (United States)	DSL (Canada)	EINECS/ELINCS (Europe)	ENCS (Japan)	China (IECSC)	KECL (Korea)	PICCS (Philippines)	AICS (Australia)
Metsulfuron-methyl 74223-64-6					X			
ALKYLATED NAPHTHALENE SULFONATE SODIUM SALT 68425-94-5	X	X			X		X	X

16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 1	Instability 0	Special Hazards -
HMIS	Health Hazards 1	Flammability 1	Physical hazard 0	Personal Protection X

*Indicates a chronic health hazard.

NFPA/HMIS Ratings Legend

Severe = 4; Serious = 3; Moderate = 2; Slight = 1; Minimal = 0

Revision date:

2021-02-08

Reason for revision:

Format Change

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Prepared By:

FMC Corporation

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End of Safety Data Sheet