

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

SECTION 1: Identification of the hazardous chemical and of the supplier

Product identifier

Product name : ALLY® 20 DF

Recommended use of the chemical and restrictions on use

Recommended use : Can be used as herbicide only.

Restrictions on use : Use as recommended by the label.

Manufacturer or supplier's details

Principal Supplier : FMC Corporation
2929 WALNUT ST
PHILADELPHIA PA 19104
USA
(215) 299-6000
SDS-Info@fmc.com

Local registrant : FMC Chemicals (Malaysia) Sdn Bhd
Level 16, 1 Sentral, Jalan Stesen Sentral 5, Kuala Lumpur Sen-
tral
50470, Kuala Lumpur, Malaysia
Phone No: +60320929423
Fax No: +603-2092 9201

Emergency telephone : For leak, fire, spill or accident emergencies, call:
CHEMTREC (Asia-Pacific Regional Number): +65 3163 8374

Medical emergency:
All other countries: +1 651 / 632-6793 (Collect)
1 703 / 741-5970 (CHEMTREC - International)

SECTION 2: Hazards identification

Classification of the hazardous chemical

Hazardous to the aquatic environment - acute hazard : Category 1

Hazardous to the aquatic environment - chronic hazard : Category 1

Label elements

SAFETY DATA SHEET

ALLY® 20 DF



Version 1.1 Revision Date: 18.01.2024 SDS Number: 50000936 Date of last issue: 16.08.2023
Date of first issue: 16.08.2023

Hazard pictograms



Signal Word

: Warning

Hazard Statements

: H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

: **Prevention:**

P273 Avoid release to the environment.

Response:

P391 Collect spillage.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3: Composition and information of the ingredients of the hazardous chemical

Substance / Mixture

: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Metsulfuron-methyl	74223-64-6	20
Alcohols, C12-14- ethoxylated	68439-50-9	>= 5 -< 10

SECTION 4: First aid measures

General advice

: Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.

If inhaled

: Consult a physician after significant exposure.
If unconscious, place in recovery position and seek medical advice.

In case of skin contact

: Get medical attention if irritation develops and persists.
Wash off with soap and plenty of water.

In case of eye contact

: Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

If swallowed

: Keep respiratory tract clear.
Do not give milk or alcoholic beverages.

SAFETY DATA SHEET



ALLY® 20 DF

Version 1.1	Revision Date: 18.01.2024	SDS Number: 50000936	Date of last issue: 16.08.2023 Date of first issue: 16.08.2023
----------------	------------------------------	-------------------------	---

Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

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

Notes to physician : It may be helpful to show this safety data sheet to physician.
Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media : Foam
Water spray
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : High volume water jet

Physicochemical hazards arising from the chemical

Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products : Sulfur oxides
Carbon oxides
Nitrogen oxides (NO_x)

Special protective equipment and precautions for fire-fighters

Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : 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.

Hazchem Code : 2Z

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Avoid dust formation.
Avoid breathing dust.
Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Handling

Precautions for safe handling

Advice on protection against fire and explosion : Avoid dust formation.
Provide appropriate exhaust ventilation at places where dust is formed.

Advice on safe handling : Avoid formation of respirable particles.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust in work rooms.
Dispose of rinse water in accordance with local and national regulations.

Storage

Conditions for safe storage, including any incompatibilities

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8: Exposure controls and personal protection

Control parameters

Contains no substances with occupational exposure limit values.

Individual protection measures, such as personal protective equipment

Eye/face protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin protection : Dust impervious protective suit
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hand protection
Material : Wear chemical resistant gloves, such as barrier laminate, butyl rubber or nitrile rubber.

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

SAFETY DATA SHEET



ALLY® 20 DF

Version 1.1	Revision Date: 18.01.2024	SDS Number: 50000936	Date of last issue: 16.08.2023 Date of first issue: 16.08.2023
----------------	------------------------------	-------------------------	---

Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

SECTION 9: Physical and chemical properties

Physical state : solid

Form : granules

Color : tan, to, light brown

Odor : mild, pungent

pH : 5 - 7

Melting point/freezing point : No data available

Boiling point/boiling range : not determined

Flash point : Not applicable

Evaporation rate : Not available for this mixture.

Flammability (solid, gas) : The product is not flammable.

Self-ignition : Not available for this mixture.

Upper explosion limit / Upper flammability limit : Not available for this mixture.

Lower explosion limit / Lower flammability limit : Not available for this mixture.

Vapor pressure : Not available for this mixture.

Relative vapor density : Not available for this mixture.

Relative density : Not available for this mixture.

Bulk density : Not applicable

Partition coefficient: n-octanol/water : not determined

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Viscosity	
Viscosity, dynamic	: No data available
Viscosity, kinematic	: not determined
Oxidizing properties	: Non-oxidizing

SECTION 10: Stability and reactivity

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
Conditions to avoid	: Heat, flames and sparks.
Incompatible materials	: Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: Sulfur oxides Carbon oxides Nitrogen oxides (NOx)

SECTION 11: Toxicological information

Information on likely routes of exposure : Skin contact

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity	: LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	: Remarks: The product contains no ingredient classified for inhalation toxicity.
Acute dermal toxicity	: LD50 (Rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402

Components:

Metsulfuron-methyl:

Acute oral toxicity	: LD50 (Rat, male and female): > 5,000 mg/kg Method: US EPA Test Guideline OPP 81-1 Assessment: The substance or mixture has no acute oral toxicity LD50 (Rat, female): > 5,000 mg/kg
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SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Method: OECD Test Guideline 425

GLP: yes

Assessment: The substance or mixture has no acute oral toxicity

Remarks: no mortality

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.11 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Symptoms: Breathing difficulties
GLP: yes
Assessment: The substance or mixture has no acute inhalation toxicity
Remarks: no mortality

Acute dermal toxicity : LD50 (Rabbit, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 402
Symptoms: Irritation
GLP: yes
Assessment: The substance or mixture has no acute dermal toxicity
Remarks: no mortality

Alcohols, C12-14- ethoxylated:

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 1.6 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male and female): > 3,000 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Not classified based on available information.

Product:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

Components:

Metsulfuron-methyl:

Species : Rabbit
Assessment : Not classified as irritant
Method : US EPA Test Guideline OPP 81-5
Result : No skin irritation

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Alcohols, C12-14- ethoxylated:

Species	:	Rabbit
Method	:	OECD Test Guideline 404
Result	:	No skin irritation

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species	:	Rabbit
Result	:	No eye irritation
Method	:	OECD Test Guideline 405

Components:

Metsulfuron-methyl:

Species	:	Rabbit
Result	:	slight irritation
Assessment	:	Not classified as irritant
Method	:	EPA OPP 81-4

Alcohols, C12-14- ethoxylated:

Species	:	Rabbit
Result	:	Irreversible effects on the eye
Method	:	OECD Test Guideline 405

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Product:

Remarks	:	Not expected to cause skin sensitisation.
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Components:

Metsulfuron-methyl:

Test Type	:	Maximization Test
Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	US EPA Test Guideline OPPTS 870.2600
Result	:	Not a skin sensitizer.

Alcohols, C12-14- ethoxylated:

Routes of exposure	:	Skin contact
Species	:	Guinea pig
Method	:	Directive 67/548/EEC, Annex V, B.6.

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Result : Does not cause skin sensitization.

Routes of exposure : Skin contact

Species : Humans

Result : Does not cause skin sensitization.

Germ cell mutagenicity

Not classified based on available information.

Components:

Metsulfuron-methyl:

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative
GLP: yes

Test Type: Chromosome aberration test in vitro
Metabolic activation: Metabolic activation
Result: positive
GLP: yes

Genotoxicity in vivo : Test Type: Micronucleus test
Species: Mouse
Result: negative

Alcohols, C12-14- ethoxylated:

Genotoxicity in vitro : Test Type: reverse mutation assay
Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 471
Result: negative

Metabolic activation: with and without metabolic activation
Method: OECD Test Guideline 473
Result: negative

Genotoxicity in vivo : Application Route: Intraperitoneal injection
Method: OECD Test Guideline 474
Result: negative

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

Carcinogenicity

Not classified based on available information.

Components:

Metsulfuron-methyl:

Species : Rat, male and female
Exposure time : 104 weeks
NOAEL : 500 ppm
Result : negative

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Species	:	Mouse, male and female
Exposure time	:	18 month(s)
NOAEL	:	5,000 ppm
Result	:	negative

Alcohols, C12-14- ethoxylated:

Species	:	Rat, male and female
Exposure time	:	24 month(s)
Result	:	negative

Reproductive toxicity

Not classified based on available information.

Components:

Metsulfuron-methyl:

Effects on fertility	:	Test Type: Two-generation study Species: Rat, male and female Application Route: Oral Result: negative
Effects on fetal development	:	Test Type: Embryo-fetal development Species: Rabbit, female Application Route: Ingestion Symptoms: Maternal effects. Result: negative Test Type: Embryo-fetal development Species: Rat, female Application Route: Ingestion Symptoms: Maternal effects. Result: negative

Alcohols, C12-14- ethoxylated:

Reproductive toxicity - Assessment	:	Weight of evidence does not support classification for reproductive toxicity
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STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Product:

Remarks	:	Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.
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Components:

Alcohols, C12-14- ethoxylated:

Assessment	:	The substance or mixture is not classified as specific target
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SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

organ toxicant, repeated exposure.

Repeated dose toxicity

Components:

Metsulfuron-methyl:

Species	: Rat, male and female
NOEL	: 1000 ppm
Application Route	: Oral - feed
Exposure time	: 90 days
Symptoms	: Reduced body weight

Alcohols, C12-14- ethoxylated:

Species	: Rat, male and female
NOAEL	: 110 mg/kg
Application Route	: Oral
Exposure time	: 2160 h

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration toxicity classification

Neurological effects

Components:

Metsulfuron-methyl:

No neurotoxicity observed in animal studies.

Further information

Product:

Remarks : No data available

SECTION 12: Ecological information

Ecotoxicity

Components:

Metsulfuron-methyl:

Toxicity to fish	: LC50 (Poecilia reticulata (guppy)): > 100 mg/l Exposure time: 96 h
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Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 120 mg/l Exposure time: 48 h Test Type: static test
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SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Method: OECD Test Guideline 202

EC50 (Daphnia magna (Water flea)): 43.1 mg/l
End point: Immobilization
Exposure time: 48 h
Test Type: static test
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae/aquatic plants : ErC50 (Anabaena flos-aquae (cyanobacterium)): 65.7 µg/l
Exposure time: 96 h
Method: OPPTS 850.5400
GLP: yes

NOEC (Anabaena flos-aquae (cyanobacterium)): 45 µg/l
Exposure time: 96 h
Method: OPPTS 850.5400
GLP: yes

ErC50 (Selenastrum capricornutum (green algae)): 157 µg/l
Exposure time: 72 h
GLP: yes

NOEC (Selenastrum capricornutum (green algae)): 50 µg/l
Exposure time: 72 h
GLP: yes

M-Factor (Acute aquatic toxicity) : 10

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus mykiss (rainbow trout)): 68 mg/l
Exposure time: 21 d

NOEC (Pimephales promelas (fathead minnow)): 10 mg/l
End point: reproduction
Exposure time: 21 d
Method: OECD Test Guideline 229
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 3.13 mg/l
End point: reproduction
Exposure time: 21 d
Test Type: semi-static test
Method: OECD Test Guideline 211

NOEC (Daphnia magna (Water flea)): 0.5 mg/l
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 1

Toxicity to soil dwelling organisms : NOEC (Eisenia fetida (earthworms)): 6 mg/kg
Exposure time: 56 d

NOEC (Eisenia fetida (earthworms)): 5.6 mg/kg

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

End point: reproduction
Method: OECD Test Guideline 222
GLP: yes

Method: OECD Test Guideline 216
Remarks: No significant adverse effect on Nitrogen mineralization.

Toxicity to terrestrial organisms : LD50 (*Apis mellifera* (bees)): > 50 µg/bee
Exposure time: 48 h
End point: Acute contact toxicity
Method: OEPP/EPPO Test Guideline 170

LD50 (*Apis mellifera* (bees)): > 50 µg/bee
Exposure time: 48 h
End point: Acute oral toxicity
Method: OEPP/EPPO Test Guideline 170

LD50 (*Anas platyrhynchos* (Mallard duck)): > 2,510 mg/kg

NOEC (*Colinus virginianus*): 1,000 mg/kg
End point: Reproduction Test

NOEC (*Anas platyrhynchos* (Mallard duck)): 1,000 ppm
End point: Reproduction Test
Method: OECD Test Guideline 206

Alcohols, C12-14-ethoxylated:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 1.1 mg/l
Exposure time: 96 h
Test Type: semi-static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 0.7 mg/l
Exposure time: 48 h
Test Type: static test
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae/aquatic plants : ErC50 (*Desmodesmus subspicatus* (green algae)): 0.87 mg/l
Exposure time: 72 h
Test Type: static test

M-Factor (Acute aquatic toxicity) : 1

Toxicity to fish (Chronic toxicity) : EC10 (*Pimephales promelas* (fathead minnow)): 0.96 mg/l
Exposure time: 30 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10 (*Daphnia magna* (Water flea)): 0.53 mg/l
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 1

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Toxicity to microorganisms	:	EC50 (<i>Pseudomonas putida</i>): 1,000 g/l Exposure time: 3 h
Toxicity to soil dwelling organisms	:	NOEC (<i>Eisenia fetida</i> (earthworms)): 220 mg/kg Method: OECD Test Guideline 222
Plant toxicity	:	NOEC: \geq 100 mg/l Exposure time: 456 h

Persistence and degradability

Components:

Metsulfuron-methyl:

Biodegradability	:	Result: Not readily biodegradable. Remarks: Primary degradation half-lives vary with circumstances, from a few weeks to a few months in aerobic soil and water.
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Alcohols, C12-14- ethoxylated:

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 78 % Exposure time: 28 d Method: OECD Test Guideline 301B
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Bioaccumulative potential

Components:

Metsulfuron-methyl:

Bioaccumulation	:	Species: <i>Lepomis macrochirus</i> (Bluegill sunfish) Bioconcentration factor (BCF): < 1 Exposure time: 28 d Remarks: Does not bioaccumulate.
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Partition coefficient: n-octanol/water	:	Pow: 0.018 (25 °C) log Pow: -1.7 (25 °C) pH: 7
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Alcohols, C12-14- ethoxylated:

Bioaccumulation	:	Bioconcentration factor (BCF): < 800 Remarks: Does not bioaccumulate.
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Partition coefficient: n-octanol/water	:	log Pow: 5.12 - 5.32 (25 °C)
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Mobility in soil

Components:

Alcohols, C12-14- ethoxylated:

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

Distribution among environmental compartments : Koc: > 4656 ml/g, log Koc: > 3.7
Remarks: Low mobility in soil.

Other adverse effects

Product:

Additional ecological information : See product label for additional application instructions relating to environmental precautions.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Very toxic to aquatic life with long lasting effects.

SECTION 13: Disposal information

Disposal methods

Waste from residues : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

International Regulations

UNRTDG

UN number : UN 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Metsulfuron-methyl)
Class : 9
Subsidiary risk : ENVIRONM.
Packing group : III
Labels : 9 (ENVIRONM.)

IATA-DGR

UN/ID No. : UN 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Metsulfuron-methyl)
Class : 9
Packing group : III
Labels : Miscellaneous
Packing instruction (cargo aircraft) : 956
Packing instruction (passenger aircraft) : 956
Environmentally hazardous : yes

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

IMDG-Code

UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metsulfuron-methyl)
Class	: 9
Packing group	: III
Labels	: 9
EmS Code	: F-A, S-F
Marine pollutant	: yes

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Hazchem Code	: 2Z
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Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15: Regulatory information

Safety, health, and environmental regulations specific for the hazardous chemical

Occupational Safety and Health (Classification, Labelling and Safety Data Sheet of Hazardous Chemicals) Regulations 2013.

Occupational Safety and Health (Use and Standards of Exposure of Chemicals Hazardous to Health) Regulations 2000.

The ingredients of this product are reported in the following inventories:

TCSI	: On the inventory, or in compliance with the inventory
TSCA	: Product contains substance(s) not listed on TSCA inventory.
AICS	: Not in compliance with the inventory
DSL	: This product contains the following components that are not on the Canadian DSL nor NDSL. Metsulfuron-methyl
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: Not in compliance with the inventory
PICCS	: Not in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory
NZIoC	: Not in compliance with the inventory

SAFETY DATA SHEET



ALLY® 20 DF

Version	Revision Date:	SDS Number:	Date of last issue: 16.08.2023
1.1	18.01.2024	50000936	Date of first issue: 16.08.2023

SECTION 16: Other information

Revision Date : 18.01.2024

Date format : dd.mm.yyyy

Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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SAFETY DATA SHEET



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