

# SAFETY DATA SHEET

## Ally® 20 WG Herbicide



Version	Revision Date:	SDS Number:	Date of last issue: -
1.1	2022/08/15	50000936	Date of first issue: 2018/03/01

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### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Ally® 20 WG Herbicide

#### 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

Company : PT FMC AGRICULTURAL MANUFACTURING

Address : Wisma Kodel Lantai 10 JL. HR Rasuna Said Kav. B-4, Jakarta Selatan 12910, Kel. Setia Budi, Kec. Setiabudi, Kota Adm. Jakarta Selatan, Prop. DKI Jakarta

Telephone : +62 21-293-43100

Emergency telephone : For leak, fire, spill or accident emergencies, call:  
001-803-017-9114 (CHEMTREC)  
1 703 / 741-5970 (CHEMTREC - International)

Medical emergency:  
0800 140 1447

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### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Short-term (acute) aquatic hazard : Category 1

Long-term (chronic) aquatic hazard : Category 1

#### GHS label elements

Hazard pictograms :



Signal Word : Warning

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

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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.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
metasulfuron-methyl (ISO)	74223-64-6	$\geq 10$ - < 25
Alcohols, C12-14. ethoxylated	68439-50-9	$\geq 2,5$ - < 10
Silicon, amorphous	112945-52-5	< 10

## 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.  
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.

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Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

- |  |   |   |
|--|---|---|
| Suitable extinguishing media                   | : | Foam<br>Water spray<br>Carbon dioxide (CO2)<br>Dry chemical   |
| Unsuitable extinguishing media                 | : | High volume water jet   |
| Specific hazards during fire fighting          | : | Do not allow run-off from fire fighting to enter drains or water courses.   |
| Hazardous combustion products                  | : | Sulfur oxides<br>Carbon oxides<br>Nitrogen oxides (NOx)   |
| Specific extinguishing methods                 | : | Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus for firefighting if necessary.  |

### 6. ACCIDENTAL RELEASE MEASURES

- |   |   |   |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Avoid dust formation.<br>Avoid breathing dust.<br>Ensure adequate ventilation.  |
| Environmental precautions   | : | Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities. |
| Methods and materials for containment and cleaning up               | : | Keep in suitable, closed containers for disposal.   |

### 7. HANDLING AND STORAGE

- |   |   |   |
|---|---|---|
| Advice on protection against fire and explosion | : | Avoid dust formation.<br>Provide appropriate exhaust ventilation at places where dust is formed.  |
| Advice on safe handling                         | : | Avoid formation of respirable particles.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Dispose of rinse water in accordance with local and national |

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- regulations.
- 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.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

- Respiratory protection : In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.
- 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.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Skin and body protection : Dust impervious protective suit  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : granules
- Color : tan, to, light brown
- Odor : mild, pungent
- pH : 5 - 7
- Melting point/freezing point : No data available

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Boiling point/boiling range	:	not determined
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
Viscosity		
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	not determined
Oxidizing properties	:	Non-oxidizing

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### 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 (NO <sub>x</sub> )

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Product:

- |                           |  |
|---------------------------|--|
| Acute oral toxicity       | : LD50 (Rat, male and female): > 5.000 mg/kg<br>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<br>Method: OECD Test Guideline 402 |

#### Components:

##### **metsulfuron-methyl (ISO):**

- |                           |   |
|---------------------------|---|
| Acute oral toxicity       | : LD50 (Rat, male and female): > 5.000 mg/kg<br>Method: US EPA Test Guideline OPP 81-1  |
| Acute inhalation toxicity | : LC50 (Rat): > 5,3 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: US EPA Test Guideline OPPTS 870.1300<br>Assessment: The substance or mixture has no acute inhalation toxicity |
| Acute dermal toxicity     | : LD50 (Rabbit, male and female): > 2.000 mg/kg<br>Method: US EPA Test Guideline OPP 81-2   |

##### **Alcohols, C12-14. ethoxylated:**

- |                           |  |
|---------------------------|--|
| Acute oral toxicity       | : LD50 (Rat, female): > 2.000 mg/kg<br>Method: OECD Test Guideline 401   |
| Acute inhalation toxicity | : LC50 (Rat): > 1,6 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: OECD Test Guideline 403<br>Assessment: The substance or mixture has no acute inhalation toxicity |
| Acute dermal toxicity     | : LD50 (Rabbit, male and female): > 3.000 mg/kg<br>Method: OECD Test Guideline 402   |

##### **Silicon, amorphous:**

- |                           |   |
|---------------------------|---|
| Acute oral toxicity       | : LD50 (Rat): > 5.000 mg/kg<br>Method: OECD Test Guideline 401<br>Remarks: Based on data from similar materials |
| Acute inhalation toxicity | : LC50 (Rat): > 5,01 mg/l<br>Exposure time: 4 h   |

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Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 5.000 mg/kg

### Skin corrosion/irritation

Not classified based on available information.

#### Product:

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

#### Components:

##### **metsulfuron-methyl (ISO):**

Species : Rabbit  
Method : US EPA Test Guideline OPP 81-5  
Result : No skin irritation

##### **Alcohols, C12-14. ethoxylated:**

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

##### **Silicon, amorphous:**

Species : Rabbit  
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 (ISO):**

Species : Rabbit  
Result : slight irritation  
Method : EPA OPP 81-4

##### **Alcohols, C12-14. ethoxylated:**

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

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### Silicon, amorphous:

Species	:	Rabbit
Result	:	No eye irritation

### 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 (ISO):

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.
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 (ISO):

Genotoxicity in vitro	:	Test Type: Ames test Metabolic activation: with and without metabolic activation Result: negative
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	:	Test Type: Chromosome aberration test in vitro Metabolic activation: Metabolic activation Result: positive
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Genotoxicity in vivo	:	Test Type: Micronucleus test Species: Mouse Result: negative
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Germ cell mutagenicity -	:	Animal testing did not show any mutagenic effects.
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### Assessment

#### 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 (ISO):

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

Species	:	Mouse, male and female
Exposure time	:	18 month(s)
NOAEL	:	5.000 ppm
Result	:	negative

Carcinogenicity - Assessment	:	Animal testing did not show any carcinogenic effects.
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#### Alcohols, C12-14. ethoxylated:

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

#### Silicon, amorphous:

Result	:	negative
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#### Reproductive toxicity

Not classified based on available information.

#### Components:

##### metsulfuron-methyl (ISO):

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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

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

### Alcohols, C12-14. ethoxylated:

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

### Silicon, amorphous:

#### 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.

### Components:

#### metsulfuron-methyl (ISO):

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Alcohols, C12-14. ethoxylated:

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

### Components:

#### metsulfuron-methyl (ISO):

Species : Rat, male and female  
NOEL : 1000 ppm

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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

### Silicon, amorphous:

Remarks : No adverse effect has been observed in chronic toxicity tests.

### Aspiration toxicity

Not classified based on available information.

### Product:

No aspiration toxicity classification

### Neurological effects

### Components:

### metsulfuron-methyl (ISO):

No neurotoxicity observed in animal studies.

### Further information

### Product:

Remarks : No data available

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### Components:

### metsulfuron-methyl (ISO):

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 113 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 120 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Lemna minor (duckweed)): 0,16 µg/l  
plants Exposure time: 14 d

EC50 (Anabaena flos-aquae (cyanobacterium)): 0,1134 mg/l  
Exposure time: 72 h

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IC50 (*Selenastrum capricornutum* (green algae)): 0,045 mg/l  
Exposure time: 72 h

ErC50 (*Myriophyllum spicatum*): 0,23 µg/l

ErC50 (*Lemna gibba* (gibbous duckweed)): 0,57 µg/l

M-Factor (Acute aquatic toxicity) : 10

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

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (*Daphnia magna* (Water flea)): 0,5 mg/l  
Exposure time: 21 d

M-Factor (Chronic aquatic toxicity) : 10

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

Toxicity to terrestrial organisms : LD50 (*Apis mellifera* (bees)): > 50 µg/bee  
End point: Acute contact toxicity

LD50 (*Apis mellifera* (bees)): > 44,3 µg/bee  
End point: Acute oral toxicity

LD50 (*Anas platyrhynchos* (Mallard duck)): > 2.510 mg/kg

### 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 : EC10 (*Daphnia magna* (Water flea)): 0,53 mg/l

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aquatic invertebrates (Chronic toxicity)

Exposure time: 21 d

Toxicity to microorganisms

: EC50 (*Pseudomonas putida*): 1.000 g/l  
Exposure time: 3 h

Toxicity to soil dwelling organisms

: NOEC (*Eisenia fetida* (earthworms)): 220 mg/kg  
Method: OECD Test Guideline 222

Plant toxicity

: NOEC:  $\geq$  100 mg/l  
Exposure time: 456 h

### Silicon, amorphous:

Toxicity to fish

: LC50 (*Brachydanio rerio* (zebrafish)): > 10.000 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates

: EC50 (*Daphnia magna* (Water flea)): > 1.000 mg/l  
Exposure time: 24 h

### Persistence and degradability

#### Components:

##### **metsulfuron-methyl (ISO):**

Biodegradability

: Result: Not readily biodegradable.  
Remarks: According to the results of tests of biodegradability this product is not readily biodegradable.

##### **Alcohols, C12-14. ethoxylated:**

Biodegradability

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

##### **Silicon, amorphous:**

Biodegradability

: Remarks: The methods for determining the biological degradability are not applicable to inorganic substances.

### Bioaccumulative potential

#### Components:

##### **metsulfuron-methyl (ISO):**

Bioaccumulation

: Species: *Lepomis macrochirus* (Bluegill sunfish)  
Bioconcentration factor (BCF): < 1  
Exposure time: 28 d  
Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water

: 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.

Partition coefficient: n-octanol/water : log Pow: 5,12 - 5,32 (25 °C)

### Mobility in soil

#### Components:

#### **metsulfuron-methyl (ISO):**

Distribution among environmental compartments : Remarks: Moderately mobile in soil  
Risk of leaching to ground water is high for some degradation products.

### Alcohols, C12-14. ethoxylated:

Distribution among environmental compartments : Koc: 13226,76 - 16423,03

### 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.

## 13. DISPOSAL CONSIDERATIONS

### **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.

## 14. TRANSPORT INFORMATION

### **International Regulations**

#### **UNRTDG**

UN number : UN 3077  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID,

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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

### 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.

### 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.

## 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.**

**Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health**

Hazardous substances that must be registered : Not applicable

**Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances**

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Hazardous substances approved for use : Not applicable

Prohibited substances : Not applicable

Restricted substances : Not applicable

### Regulation of the Minister of Trade No. 44 of 2009 on Procurement, Distribution and Supervision of Hazardous Materials

Type of Hazardous Materials Restricted to Import, Distribution and Supervision : Not applicable

### 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.

METHYL 2-[[[4-METHOXY-6-METHYL-1,3,5-TRIAZIN-2-YL)CARBAMOYL]SULFAMOYL]BENZOATE

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

## 16. OTHER INFORMATION

Revision Date : 2022/08/15

Date format : yyyy/mm/dd

### 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;



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## Ally® 20 WG Herbicide

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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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