

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

### SECTION 1. IDENTIFICATION

#### Product identifier

**Product name** Sulfentrazone 75 WG MUP

#### Other means of identification

**Product code** 50001757

**Product Registration Number** PCP #33834

#### 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

##### Manufacturer

FMC Corporation  
2929 WALNUT ST  
PHILADELPHIA PA 19104  
USA  
Phone (AgHotline): 1-833-FMC-PPAC (1-833-362-7722),  
Web: <https://ag.fmc.com/ca/en>  
SDS-Info@fmc.com

##### Supplier Address

FMC of Canada Limited  
6755 Mississauga Road, Suite 204  
Mississauga, ON L5N 7Y2  
Canada

##### Emergency telephone

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)

Medical emergency:  
U.S.A. & Canada: +1 800 / 331-3148  
All other countries: +1 651 / 632-6793 (Collect)

---

### SECTION 2. HAZARDS IDENTIFICATION

#### **GHS classification in accordance with the Hazardous Products Regulations**

Acute toxicity (Inhalation) : Category 4

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

Skin irritation : Category 2

Eye irritation : Category 2A

Respiratory sensitization : Sub-category 1A

Specific target organ toxicity : Category 1  
- single exposure

Specific target organ toxicity : Category 2  
- repeated exposure

### GHS label elements

Hazard pictograms :

Signal Word : DANGER

Hazard Statements : H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H370 Causes damage to organs.  
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements :

**Prevention:**

P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P284 Wear respiratory protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version 1.2      Revision Date: 01/17/2025      SDS Number: 50001757      Date of last issue: 03/01/2022  
Date of first issue: 02/16/2022

P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

### Storage:

P405 Store locked up.

### Disposal:

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

### Other hazards

Toxic to aquatic life with long lasting effects.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Sulfentrazone	Sulfentrazone	122836-35-5	75
Palygorskite	palygorskite	12174-11-7	$\geq 5 - < 10$ *
toluene	Toluene	108-88-3	$\geq 1 - < 5$ *
sodium diisopropyl-naphthalenesulphonate	sodium diisopropyl-naphthalenesulphonate	1322-93-6	$\geq 1 - < 5$ *

\* Actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Move out of dangerous area.  
Show this material safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Move to fresh air.  
Call a physician or poison control center immediately.  
If unconscious, place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

- If eye irritation persists, consult a specialist.
- If swallowed : Do not induce vomiting without medical advice.  
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 : Causes skin irritation.  
Causes serious eye irritation.  
Harmful if inhaled.  
May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
Causes damage to organs.  
May cause damage to organs through prolonged or repeated exposure.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
Avoid inhalation, ingestion and contact with skin and eyes.  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.
- Notes to physician : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Dry chemical, CO<sub>2</sub>, water spray or regular foam.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : High volume water jet  
Do not spread spilled material with high-pressure water streams.
- Specific hazards during fire fighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : No hazardous combustion products are known
- Further information : 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.
- Special protective equipment for fire-fighters : Firefighters should wear protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Avoid dust formation.  
Avoid breathing dust.  
Ensure adequate ventilation.  
Never return spills in original containers for re-use.  
Mark the contaminated area with signs and prevent access to unauthorized personnel.  
Only qualified personnel equipped with suitable protective equipment may intervene.  
For disposal considerations see section 13.
- 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.
- Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal.

### SECTION 7. HANDLING AND STORAGE

- 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.  
Do not breathe vapors/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
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.  
Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
- 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.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version 1.2      Revision Date: 01/17/2025      SDS Number: 50001757      Date of last issue: 03/01/2022  
Date of first issue: 02/16/2022

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Palygorskite	12174-11-7	TWAEV	1 fibres per cubic centimeter	CA QC OEL
toluene	108-88-3	TWA	50 ppm 188 mg/m <sup>3</sup>	CA AB OEL
		TWA	20 ppm	CA BC OEL
		TWAEV	20 ppm	CA QC OEL
		TWA	20 ppm	ACGIH

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
toluene	108-88-3	Toluene	In blood	Prior to last shift of work-week	0.02 mg/l	ACGIH BEI
		Toluene	Urine	End of shift (As soon as possible after exposure ceases)	0.03 mg/l	ACGIH BEI

#### Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- 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  
Wear face-shield and protective suit for abnormal processing problems.
- 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.
- Protective measures : Plan first aid action before beginning work with this product.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

Always have on hand a first-aid kit, together with proper instructions.  
Ensure that eye flushing systems and safety showers are located close to the working place.  
Wear suitable protective equipment.  
In the context of professional plant protection use as recommended, the end user must refer to the label and the instructions for use.

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	: brown
Odor	: musty
Odor Threshold	: No data available
pH	: 6.5 - 7.5
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: No data available
Evaporation rate	: No data available
Upper explosion limit / Upper flammability limit	: No data available
Lower explosion limit / Lower flammability limit	: No data available
Vapor pressure	: No data available
Relative vapor density	: No data available

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

Relative density	:	No data available
Density	:	No data available
Bulk density	:	38 - 40 lb/scf
Solubility(ies)	:	
Water solubility	:	dispersible
Solubility in other solvents	:	No data available
Partition coefficient: n-octanol/water	:	No data available
Autoignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

---

### 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	:	None reasonably foreseeable. No decomposition if stored and applied as directed. Dust may form explosive mixture in air.
Conditions to avoid	:	Avoid extreme temperatures. Heat, flames and sparks.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.
Hazardous decomposition products	:	No decomposition if stored and applied as directed.



# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if inhaled.

#### Product:

Acute oral toxicity	: LD50 (Rat): 2,416 mg/kg
Acute inhalation toxicity	: Acute toxicity estimate: 2.16 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Calculation method
Acute dermal toxicity	: LD50 (Rat): > 5,000 mg/kg

#### Components:

##### **Sulfentrazone:**

Acute oral toxicity	: LD50 (Rat, female): 2,689 mg/kg Symptoms: ataxia, clonic convulsions, Fatality GLP: yes
Acute inhalation toxicity	: LC50 (Rat, male and female): > 4.13 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: EPA OPP 81 - 3 Symptoms: ataxia, Breathing difficulties GLP: yes Remarks: no mortality
Acute dermal toxicity	: LD50 (Rabbit, male and female): > 2,000 mg/kg Method: EPA OPP 81-2 GLP: yes Assessment: The component/mixture is minimally toxic after single contact with skin.

##### **Palygorskite:**

Acute oral toxicity	: Assessment: Toxic effects cannot be excluded
Acute inhalation toxicity	: Assessment: Toxic effects cannot be excluded
Acute dermal toxicity	: Assessment: Toxic effects cannot be excluded

##### **toluene:**

Acute oral toxicity	: LD50 (Rat): 5,580 mg/kg
Acute inhalation toxicity	: LC50 (Rat, male): 25.7 mg/l Exposure time: 4 h Test atmosphere: vapor

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

LC50 (Rat, female): 30 mg/l  
Exposure time: 4 h  
Test atmosphere: vapor

Acute dermal toxicity : (Rabbit): 12,267 mg/kg

### **sodium diisopropylnaphthalenesulphonate:**

Acute oral toxicity : LD50 (Rat, female): > 300 - 2,000 mg/kg  
Method: OECD Test Guideline 423

### **Skin corrosion/irritation**

Causes skin irritation.

#### **Product:**

Species : Rabbit  
Result : Skin irritation

#### **Components:**

##### **Sulfentrazone:**

Species : Rabbit  
Assessment : No skin irritation  
Method : EPA OPP 81-5  
Result : No skin irritation  
GLP : yes

##### **Palygorskite:**

Remarks : No data available

##### **toluene:**

Species : Rabbit  
Assessment : Repeated exposure may cause skin dryness or cracking.  
Result : Skin irritation

##### **sodium diisopropylnaphthalenesulphonate:**

Species : reconstructed human epidermis (RhE)  
Method : OECD Test Guideline 431  
Result : Corrosive after 4 hours or less of exposure

### **Serious eye damage/eye irritation**

Causes serious eye irritation.

#### **Product:**

Species : Rabbit  
Result : Irritation to eyes, reversing within 21 days

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

### **Components:**

#### **Sulfentrazone:**

Species	:	Rabbit
Result	:	No eye irritation
Assessment	:	No eye irritation
Method	:	EPA OPP 81-4
GLP	:	yes

#### **toluene:**

Species	:	Rabbit
Result	:	No eye irritation

#### **sodium diisopropylnaphthalenesulphonate:**

Species	:	Bovine cornea
Result	:	Irreversible effects on the eye
Method	:	OECD Test Guideline 437

### **Respiratory or skin sensitization**

#### **Skin sensitization**

Based on available data, the classification criteria are not met.

#### **Respiratory sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

### **Product:**

Result	:	Not a skin sensitizer.
--------	---	------------------------

### **Components:**

#### **Sulfentrazone:**

Test Type	:	Maximization Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Does not cause skin sensitization.

#### **Palygorskite:**

Remarks	:	No data available
---------	---	-------------------

#### **toluene:**

Test Type	:	Maximization Test
Species	:	Guinea pig
Result	:	Not a skin sensitizer.

#### **sodium diisopropylnaphthalenesulphonate:**

Test Type	:	Direct Peptide Reactivity Assay (DPRA)
Method	:	OECD Test Guideline 442C

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

Result : Does not cause skin sensitization.

### Germ cell mutagenicity

Based on available data, the classification criteria are not met.

#### Components:

##### **Sulfentrazone:**

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

Test Type: Mouse lymphoma assay  
Test system: mouse lymphoma cells  
Metabolic activation: Metabolic activation  
Result: negative

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Application Route: Intraperitoneal injection  
Result: negative

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.

##### **toluene:**

Genotoxicity in vitro : Test Type: Ames test  
Result: negative

Method: OECD Test Guideline 476  
Result: negative

Genotoxicity in vivo : Test Type: Chromosome aberration test in vitro  
Species: Rat  
Result: negative

##### **sodium diisopropylnaphthalenesulphonate:**

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

Genotoxicity in vivo : Remarks: No data available

### Carcinogenicity

Based on available data, the classification criteria are not met.

#### Product:

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

### Components:

#### **Sulfentrazone:**

Species : Rat, male and female  
Application Route : Ingestion  
Exposure time : 2 Years  
Result : negative

Species : Mouse, male and female  
Application Route : Ingestion  
Exposure time : 18 month(s)  
Result : negative

Carcinogenicity - Assessment : Animal testing did not show any carcinogenic effects.

### **Reproductive toxicity**

Based on available data, the classification criteria are not met.

### Components:

#### **Sulfentrazone:**

Effects on fertility : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: Oral  
General Toxicity Parent: NOEL: 13.7 - 16.2 mg/kg bw/day  
General Toxicity F1: NOEL: 13.7 - 16.2 mg/kg bw/day  
Symptoms: Maternal effects.

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Oral  
General Toxicity Maternal: NOEL: 25 mg/kg bw/day  
Developmental Toxicity: NOEL: 10 mg/kg bw/day  
Method: EPA OPP 83-3

Test Type: Embryo-fetal development  
Species: Rat  
Application Route: Oral  
General Toxicity Maternal: LOAEL: 50 mg/kg bw/day  
Developmental Toxicity: LOAEL F1: 25 mg/kg bw/day  
Symptoms: Skeletal malformations.  
Target Organs: spleen  
Method: EPA OPP 83-3

#### **toluene:**

Effects on fetal development : Species: Rat  
Application Route: Inhalation  
Result: Teratogenic effects.  
Remarks: Adverse developmental effects were observed

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

### STOT-single exposure

Causes damage to organs.

#### Components:

##### **Sulfentrazone:**

Remarks : No significant adverse effects were reported

##### **toluene:**

Assessment : May cause drowsiness or dizziness.

### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Product:

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

#### Components:

##### **Sulfentrazone:**

Target Organs : hematopoietic system

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

##### **toluene:**

Routes of exposure : Inhalation

Target Organs : inner ear

Assessment : The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

### Repeated dose toxicity

#### Components:

##### **Sulfentrazone:**

Species : Rat, male

NOAEL : 19.9 mg/kg

LOAEL : 65.8 mg/kg

Application Route : Oral - feed

Exposure time : 90-days

GLP : yes

Target Organs : hematopoietic system

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

Species : Mouse, male  
NOAEL : 60 mg/kg  
LOAEL : 108.4 mg/kg  
Application Route : Oral - feed  
Exposure time : 90-days  
Target Organs : hematopoietic system

Species : Dog, male  
NOAEL : 10 mg/kg  
LOAEL : 28 mg/kg  
Application Route : Oral - feed  
Exposure time : 90-days  
Target Organs : hematopoietic system, Liver

### toluene:

Species : Rat  
NOAEL : 625 mg/kg  
Application Route : Oral  
Symptoms : central nervous system effects

Species : Rat  
NOAEL : 0.098 mg/l  
Application Route : Inhalation  
Test atmosphere : vapor

Species : Rat  
LOAEL : 2.261 mg/l  
Application Route : Inhalation  
Test atmosphere : vapor

### sodium diisopropylnaphthalenesulphonate:

Remarks : No data available

### Aspiration toxicity

Based on available data, the classification criteria are not met.

### Components:

#### Sulfentrazone:

The substance does not have properties associated with aspiration hazard potential.

#### toluene:

May be fatal if swallowed and enters airways.

### Neurological effects

### Components:

#### Sulfentrazone:

Neurotoxicity observed in animals studies

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

### Further information

#### Product:

Remarks : No data available

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

#### **Sulfentrazone:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 120 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: EPA OPP 72-1

LC50 (Lepomis macrochirus (Bluegill sunfish)): 93.8 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: EPA OPP 72-1

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 60.4 mg/l  
Exposure time: 48 h  
Test Type: flow-through test

NOEC (Daphnia magna (Water flea)): 14.1 mg/l  
Exposure time: 48 h  
Test Type: flow-through test

Toxicity to algae/aquatic plants : EC50 (algae): 32.8 mg/l  
Exposure time: 72 h

EC50 (Pseudokirchneriella subcapitata (green algae)): 0.031 mg/l  
Exposure time: 120 h

EC50 (Lemna gibba (duckweed)): 0.0288 mg/l  
Exposure time: 14 d

EC50 (Navicula pelliculosa (Diatom)): 0.042 mg/l  
Exposure time: 120 h

Toxicity to fish (Chronic toxicity) : NOEC (Fish): 5.9 mg/l  
Exposure time: 21 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Crustaceans): 0.51 mg/l  
Exposure time: 21 d



# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

Toxicity to terrestrial organisms : LD50 (Anas platyrhynchos (Mallard duck)): > 5,620 ppm  
End point: Acute oral toxicity

NOEL (Anas platyrhynchos (Mallard duck)): 3,160 ppm  
End point: Acute oral toxicity

LD50 (Colinus virginianus (Bobwhite quail)): > 5,620 ppm  
End point: Acute oral toxicity

NOEL (Colinus virginianus (Bobwhite quail)): 5,620 ppm  
End point: Acute oral toxicity

NOEL (Colinus virginianus (Bobwhite quail)): > 100 ppm  
End point: Reproduction Test

NOEL (Anas platyrhynchos (Mallard duck)): > 100 ppm  
End point: Reproduction Test

LD50 (Apis mellifera (bees)): > 25 µg/bee  
End point: Acute oral toxicity

LD50 (Apis mellifera (bees)): > 200 µg/bee  
End point: Acute contact toxicity

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

### Palygorskite:

#### Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### toluene:

Toxicity to fish : LC50 (Fish): 5.5 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50: 3.78 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (Skeletonema costatum (marine diatom)): 10 mg/l  
Exposure time: 72 h

Toxicity to fish (Chronic toxicity) : NOEC (Oncorhynchus kisutch (coho salmon)): 1.4 mg/l

Toxicity to daphnia and other aquatic invertebrates (Chronic) : NOEC (Ceriodaphnia sp.): 0.74 mg/l  
Exposure time: 7 d

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

ic toxicity)

Toxicity to microorganisms : EC50 (Bacteria): 134 mg/l  
Exposure time: 3 h

### **sodium diisopropylnaphthalenesulphonate:**

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 72 mg/l  
aquatic invertebrates  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (algae)): > 100 mg/l  
plants  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

NOEC (Pseudokirchneriella subcapitata (algae)): 10 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201

### **Persistence and degradability**

#### **Components:**

##### **Sulfentrazone:**

Biodegradability : Result: Not readily biodegradable.  
Stability in water : Degradation half life (DT50): 2.22 - 9.56 h  
Photodegradation : Remarks: Decomposes rapidly in contact with light.

##### **toluene:**

Biodegradability : Result: Readily biodegradable.

### **sodium diisopropylnaphthalenesulphonate:**

Biodegradability : Inoculum: activated sludge, non-adapted  
Result: Not readily biodegradable.  
Biodegradation: 2 %  
Exposure time: 21 d  
Method: OECD Test Guideline 301D

### **Bioaccumulative potential**

#### **Components:**

##### **Sulfentrazone:**

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)  
GLP: yes  
Remarks: Low potential for bioaccumulation

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

Partition coefficient: n-octanol/water : Pow: 9.8  
pH: 7

### **toluene:**

Bioaccumulation : Bioconcentration factor (BCF): 90

Partition coefficient: n-octanol/water : log Pow: 2.73 (20 °C)

### **sodium diisopropylnaphthalenesulphonate:**

Partition coefficient: n-octanol/water : log Pow: > 2.6 (20 °C)

### **Mobility in soil**

#### **Components:**

#### **Sulfentrazone:**

Mobility : Medium: Water  
Remarks: Predicted distribution to environmental compartments

Distribution among environmental compartments : Koc: 43 ml/g, log Koc: 1.63  
Remarks: Highly mobile in soils

Stability in soil : Remarks: Very persistent in soil.

### **Other adverse effects**

#### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Harmful to aquatic life.  
Toxic to aquatic life with long lasting effects.

---

## SECTION 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.

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

### SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfentrazone)
Class	: 9
Subsidiary risk	: ENVIRONM.
Packing group	: III
Labels	: 9 (ENVIRONM.)
Environmentally hazardous	: yes

##### IATA-DGR

UN/ID No.	: UN 3077
Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Sulfentrazone)
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. (Sulfentrazone)
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.

#### Domestic regulation

##### TDG

UN number	: UN 3077
Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Sulfentrazone)
Class	: 9
Packing group	: III
Labels	: 9
ERG Code	: 171
Marine pollutant	: yes(Sulfentrazone)

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

### 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

**NPRI Components** : toluene

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

TCSI	: Not 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 chemical substance(s) exempt from CEPA DSL Inventory requirements. It is regulated as a pesticide subject to Pest Control Products Act (PCPA) requirements. Read the PCPA label, authorized under the Pest Control Products Act, prior to using or handling this pest control product.
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	: Not in compliance with the inventory
NZIoC	: Not in compliance with the inventory

### Canadian lists

No substances are subject to a Significant New Activity Notification.

### PMRA/PCPA Information

This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. The following is the hazard information required on the pest control product label: Read the label, authorized under the Pest Control Products Act, prior to using or handling the pest control product

## CAUTION

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

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

### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
CA AB OEL	:	Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)
CA BC OEL	:	Canada. British Columbia OEL
CA QC OEL	:	Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants
ACGIH / TWA	:	8-hour, time-weighted average
CA AB OEL / TWA	:	8-hour Occupational exposure limit
CA BC OEL / TWA	:	8-hour time weighted average
CA QC OEL / TWAEV	:	Time-weighted average exposure value

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

# SAFETY DATA SHEET

according to the Hazardous Products Regulations



## Sulfentrazone 75 WG MUP

Version	Revision Date:	SDS Number:	Date of last issue: 03/01/2022
1.2	01/17/2025	50001757	Date of first issue: 02/16/2022

---

### Disclaimer

FMC Corporation believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. You can contact FMC Corporation to insure that this document is the most current available from FMC Corporation. No warranty of fitness for any particular purpose, warranty of merchantability or any other warranty, expressed or implied, is made concerning the information provided herein. The information provided herein relates only to the specified product designated and may not be applicable where such product is used in combination with any other materials or in any process. The user is responsible for determining whether the product is fit for a particular purpose and suitable for the user's conditions and methods of use. Since the conditions and methods of use are beyond the control of FMC Corporation, FMC Corporation expressly disclaims any and all liability as to any results obtained or arising from any use of the products or reliance on such information.

CA / EN

### Prepared by:

FMC Corporation

FMC and the FMC Logo are trademarks of FMC Corporation and/or an affiliate.

© 2021-2025 FMC Corporation. All Rights Reserved.

End of Material Safety Data Sheet