

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### SECTION 1. IDENTIFICATION

#### Product identifier

**Product name** AUTHORITY EDGE HERBICIDE

#### Other means of identification

**Product code** 50001325

**Chemical nature** Mixture

#### 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.

#### Details of the supplier of the safety data sheet

##### Manufacturer

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

##### Supplier Address

FMC Corporation  
2929 Walnut Street  
Philadelphia PA 19104  
USA

##### 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 OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Acute toxicity (Oral) : Category 4

Acute toxicity (Inhalation) : Category 4

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

Specific target organ toxicity : Category 2  
- repeated exposure

### GHS label elements

Hazard pictograms :

Signal Word : WARNING

Hazard Statements : H302 Harmful if swallowed.  
H332 Harmful if inhaled.  
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements : **Prevention:**  
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.  
**Response:**  
P314 Get medical attention if you feel unwell.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P310 Immediately call a POISON CENTER or doctor/ physician.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.  
P330 Rinse mouth.  
P391 Collect spillage.  
**Storage:**  
P405 Store locked up.  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

### Other hazards

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

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
---------------	---------	-----------------------

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version 1.2      Revision Date: 05/24/2024      SDS Number: 50001325      Date of last issue: 06/05/2019  
Date of first issue: 06/05/2019

Sulfentrazone	122836-35-5	29.2
Pyroxasulfone	447399-55-5	14.9
propane-1,2-diol	57-55-6	$\geq 5 - < 10$
sodium diisopropyl naphthalenesulphonate	1322-93-6	$\geq 1 - < 5$
toluene	108-88-3	$\geq 1 - \leq 5$

### 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 : Move to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash contaminated clothing before re-use.  
Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- 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.  
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 : Harmful if swallowed.  
Harmful if inhaled.  
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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

- |  |   |   |
|--|---|---|
| Suitable extinguishing media                   | : | Dry chemical, CO2, water spray or regular foam.<br>Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  |
| Unsuitable extinguishing media                 | : | High volume water jet<br>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.<br>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

- |   |   |   |
|---|---|---|
| Personal precautions, protective equipment and emergency procedures | : | Use personal protective equipment.<br>Ensure adequate ventilation.<br>If it can be safely done, stop the leak.<br>Do not touch or walk through the spilled material.<br>Never return spills in original containers for re-use.<br>Mark the contaminated area with signs and prevent access to unauthorized personnel.<br>Only qualified personnel equipped with suitable protective equipment may intervene.<br>For disposal considerations see section 13. |
| 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               | : | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).<br>Keep in suitable, closed containers for disposal.   |

### SECTION 7. HANDLING AND STORAGE

- |   |   |  |
|---|---|--|
| Advice on protection against fire and explosion | : | Normal measures for preventive fire protection.  |
| Advice on safe handling                         | : | Do not breathe vapors/dust.<br>Avoid exposure - obtain special instructions before use.<br>Avoid contact with skin and eyes. |

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version 1.2      Revision Date: 05/24/2024      SDS Number: 50001325      Date of last issue: 06/05/2019  
Date of first issue: 06/05/2019

For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national 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.  
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.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propane-1,2-diol	57-55-6	TWA	10 mg/m <sup>3</sup>	US WEEL

#### 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 : Impervious clothing  
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.  
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.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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	: liquid
Color	: cream white
Odor	: neutral
Odor Threshold	: No data available
pH	: 5.29 (76.8 °F / 24.9 °C) Concentration: 1.28 %
Melting point/freezing point	: No data available
Initial boiling point and boiling range	: No data available
Flash point	: 171 - 174 °F / 77 - 79 °C
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
Relative density	: No data available
Density	: 1.2256 g/cm <sup>3</sup> (68.2 °F / 20.1 °C)
Bulk density	: No data available
Solubility(ies) Water solubility	: Miscible

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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	:	45.9 mPa.s (77.4 °F / 25.2 °C)
		42.1 mPa.s (113.5 °F / 45.3 °C)
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
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	:	Avoid extreme temperatures. Protect from frost, heat and sunlight.
Incompatible materials	:	Avoid strong acids, bases, and oxidizers.
Hazardous decomposition products	:	irritating gases

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Harmful if swallowed.  
Harmful if inhaled.

#### Product:

Acute oral toxicity	:	LD50 Oral (Rat): 1,098 mg/kg GLP: yes
Acute inhalation toxicity	:	LD50 (Rat): > 1.15 mg/l Exposure time: 4 h Test atmosphere: dust/mist

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version 1.2	Revision Date: 05/24/2024	SDS Number: 50001325	Date of last issue: 06/05/2019 Date of first issue: 06/05/2019
----------------	------------------------------	-------------------------	---

GLP: yes

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

### 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.

#### **Pyroxasulfone:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Remarks: no mortality

Acute inhalation toxicity : LC50 (Rat): > 6.56 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Remarks: no mortality

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Remarks: no mortality

#### **propane-1,2-diol:**

Acute oral toxicity : LD50 (Rat, male and female): 22,000 mg/kg

Acute inhalation toxicity : LC0 (Rabbit): 31.7 mg/l  
Exposure time: 2 h  
Test atmosphere: vapor  
Remarks: no mortality

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### **sodium diisopropylnaphthalenesulphonate:**



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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

### **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

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

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

### **Skin corrosion/irritation**

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

### **Product:**

Species : Rabbit  
Result : slight irritation  
Remarks : May cause skin irritation in susceptible persons.

### **Components:**

#### **Sulfentrazone:**

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

#### **Pyroxasulfone:**

Species : Rabbit  
Result : No skin irritation

#### **propane-1,2-diol:**

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

#### **sodium diisopropylnaphthalenesulphonate:**

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

### **toluene:**

Species : Rabbit

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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

### Serious eye damage/eye irritation

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

#### Product:

Species : Rabbit  
Result : slight irritation  
Remarks : May irritate eyes.

#### Components:

##### **Sulfentrazone:**

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

##### **Pyroxasulfone:**

Species : Rabbit  
Result : slight irritation

##### **propane-1,2-diol:**

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

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

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

##### **toluene:**

Species : Rabbit  
Result : No eye irritation

### Respiratory or skin sensitization

#### **Skin sensitization**

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

#### **Respiratory sensitization**

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

#### Product:

Test Type : Local lymph node test  
Species : Mouse  
Result : Not a skin sensitizer.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

---

### **Components:**

#### **Sulfentrazone:**

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

#### **Pyroxasulfone:**

Test Type	: Local lymph node assay (LLNA)
Species	: Mouse
Result	: Does not cause skin sensitization.

#### **propane-1,2-diol:**

Test Type	: Maximization Test
Species	: Guinea pig
Result	: negative

#### **sodium diisopropyl naphthalenesulphonate:**

Test Type	: Direct Peptide Reactivity Assay (DPRA)
Method	: OECD Test Guideline 442C
Result	: Does not cause skin sensitization.

#### **toluene:**

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

### **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 -	: Animal testing did not show any mutagenic effects.
--------------------------	--

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### Assessment

#### Pyroxasulfone:

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

Test Type: In vitro mammalian cell gene mutation test  
Result: negative

Test Type: Chromosome aberration test in vitro  
Result: negative

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

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

#### propane-1,2-diol:

Genotoxicity in vitro : Test Type: reverse mutation assay  
Result: negative

Genotoxicity in vivo : Test Type: In vivo micronucleus test  
Species: Mouse  
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

#### 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

#### Carcinogenicity

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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### 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.
------------------------------	---

#### **Pyroxasulfone:**

Species	: Rat, male
Exposure time	: 2 Years
	: 2.2 mg/kg bw/day
Result	: positive
Target Organs	: Bladder

Carcinogenicity - Assessment	: Limited evidence of carcinogenicity in animal studies
------------------------------	---

#### **propane-1,2-diol:**

Species	: Rat
Application Route	: Oral
Exposure time	: 2 Years
Result	: negative

<b>IARC</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
-------------	--

<b>OSHA</b>	No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
-------------	--

<b>NTP</b>	No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
------------	--

### **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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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

### Pyroxasulfone:

#### propane-1,2-diol:

Effects on fertility : Test Type: reproductive and developmental toxicity study  
Species: Mouse  
Application Route: Oral  
Result: negative

Effects on fetal development : Test Type: Embryo-fetal development  
Species: Mouse  
Application Route: Oral  
Method: OECD Test Guideline 414  
Result: Animal testing did not show any effects on fertility.  
Remarks: Based on data from similar materials

### toluene:

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

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

### STOT-single exposure

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

### Components:

#### Sulfentrazone:

Remarks : No significant adverse effects were reported

### toluene:

Assessment : May cause drowsiness or dizziness.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

---

### STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

#### Components:

##### **Sulfentrazone:**

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

##### **Pyroxasulfone:**

Target Organs	: Nervous system, Kidney, Liver, Cardio-vascular system, Bladder
Assessment	: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 1.

##### **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

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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### propane-1,2-diol:

Species	: Rat, male and female
NOAEL	: 1,700 mg/kg
Application Route	: Oral
Exposure time	: 2 Years

Species	: Rat, male and female
NOAEL	: 1,000 mg/kg
LOAEL	: 160 mg/kg
Application Route	: Inhalation
Exposure time	: 90 Days

### sodium diisopropylnaphthalenesulphonate:

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

### 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

### 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 OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### 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

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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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.

### Pyroxasulfone:

Toxicity to fish : LL50 (Oncorhynchus mykiss (rainbow trout)): > 202 mg/l  
Exposure time: 96 h

LL50 (Lepomis macrochirus (Bluegill sunfish)): > 208 mg/l  
Exposure time: 96 h

LL50 (Cyprinodon variegatus (sheepshead minnow)): > 3.3 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 4.4 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (green algae): 0.000743 mg/l  
Exposure time: 72 h

EC50 (Lemna gibba (duckweed)): 0.00043 mg/l  
Exposure time: 7 d

Toxicity to fish (Chronic toxicity) : NOEC (Pimephales promelas (fathead minnow)): 2 mg/l  
Exposure time: 28 d

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): 1.9 mg/l  
Exposure time: 21 d

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

Toxicity to soil dwelling organisms : LC50 (*Eisenia fetida* (earthworms)): > 997 mg/kg  
Exposure time: 14 d

Toxicity to terrestrial organisms : LD50 (*Apis mellifera* (bees)): > 100 µg/bee  
Exposure time: 48 d  
Remarks: Contact

LOEC (*Anas platyrhynchos* (Mallard duck)): 60 mg/kg  
End point: Reproduction Test

### propane-1,2-diol:

Toxicity to fish : LC50 (*Oncorhynchus mykiss* (rainbow trout)): 40,613 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : (*Mysidopsis bahia* (opossum shrimp)): 18,800 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (green algae)): 34,100 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 201

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 13,020 mg/l  
Exposure time: 7 d

Toxicity to microorganisms : EC50 (*Pseudomonas putida*): > 20,000 mg/l  
Exposure time: 18 h

### sodium diisopropylnaphthalenesulphonate:

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

Toxicity to algae/aquatic plants : EC50 (*Pseudokirchneriella subcapitata* (algae)): > 100 mg/l  
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

### 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

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

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 toxicity)	:	NOEC (Ceriodaphnia sp.): 0.74 mg/l Exposure time: 7 d
Toxicity to microorganisms	:	EC50 (Bacteria): 134 mg/l Exposure time: 3 h

### 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.

##### **Pyroxasulfone:**

Biodegradability	:	Result: Not readily biodegradable.
------------------	---	------------------------------------

##### **propane-1,2-diol:**

Biodegradability	:	Result: Readily biodegradable. Biodegradation: 23.6 % Exposure time: 64 d Method: OECD Test Guideline 306
------------------	---	--

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

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

##### **toluene:**

Biodegradability	:	Result: Readily biodegradable.
------------------	---	--------------------------------

### Bioaccumulative potential

#### Components:

##### **Sulfentrazone:**

Bioaccumulation	:	Species: Lepomis macrochirus (Bluegill sunfish)
-----------------	---	---

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

GLP: yes

Remarks: Low potential for bioaccumulation

Partition coefficient: n-octanol/water

: Pow: 9.8  
pH: 7

### Pyroxasulfone:

Bioaccumulation

: Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water

: log Pow: 2.39 (77 °F / 25 °C)

### propane-1,2-diol:

Partition coefficient: n-octanol/water

: log Pow: -1.07

### sodium diisopropylnaphthalenesulphonate:

Partition coefficient: n-octanol/water

: log Pow: > 2.6 (68 °F / 20 °C)

### toluene:

Bioaccumulation

: Bioconcentration factor (BCF): 90

Partition coefficient: n-octanol/water

: log Pow: 2.73 (68 °F / 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.

#### Pyroxasulfone:

Distribution among environmental compartments

: Adsorption/Soil

Koc: 57 - 114 ml/g, log Koc: > 1.75

Remarks: Highly mobile in soils

Stability in soil

:

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### Other adverse effects

#### **Product:**

Ozone-Depletion Potential	:	Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).
Additional ecological information	:	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 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.

## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### **UNRTDG**

UN number	:	UN 3082
Proper shipping name	:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Pyroxasulfone, Sulfentrazone)
Class	:	9
Packing group	:	III
Labels	:	9
Environmentally hazardous	:	yes

#### **IATA-DGR**

UN/ID No.	:	UN 3082
Proper shipping name	:	Environmentally hazardous substance, liquid, n.o.s. (Pyroxasulfone, Sulfentrazone)
Class	:	9
Packing group	:	III
Labels	:	Miscellaneous
Packing instruction (cargo aircraft)	:	964
Packing instruction (passenger aircraft)	:	964

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version 1.2      Revision Date: 05/24/2024      SDS Number: 50001325      Date of last issue: 06/05/2019  
Date of first issue: 06/05/2019

Environmentally hazardous : yes

### IMDG-Code

UN number : UN 3082  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
(Pyroxasulfone, 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

#### 49 CFR Road

UN/ID/NA number : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(Pyroxasulfone, Sulfentrazone)  
Class : 9  
Packing group : III  
Labels : CLASS 9  
ERG Code : 171  
Marine pollutant : yes  
Remarks : Shipment by ground under DOT is non-regulated; however it may be shipped per the applicable hazard classification to facilitate multi-modal transport involving ICAO (IATA) or IMO.

### Special precautions for user

Remarks : 49CFR: no dangerous good in non-bulk packaging

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

### CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
------------	---------	-----------------------	--------------------------------

### CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
------------	---------	-----------------------	--------------------------------

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Acute toxicity (any route of exposure)  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

propane-1,2-diol	57-55-6	>= 5 - < 10 %
------------------	---------	---------------

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

### US State Regulations

#### Massachusetts Right To Know

No components are subject to the Massachusetts Right to Know Act.

#### Pennsylvania Right To Know

water	7732-18-5
2',4'-DICHLORO-5'-(4-DIFLUOROMETHYL-4,5-DIHYDRO-3-METHYL-5-OXO-1H-1,2,4-TRIAZOL-1-YL)METHANESULFONANILIDE	Not Assigned
Pyroxasulfone	447399-55-5
propane-1,2-diol	57-55-6
sodium sulphate	7757-82-6

#### Maine Chemicals of High Concern

octamethylcyclotetrasiloxane [D4]	556-67-2
-----------------------------------	----------

#### Vermont Chemicals of High Concern

octamethylcyclotetrasiloxane [D4]	556-67-2
-----------------------------------	----------

#### Washington Chemicals of High Concern

Product does not contain any listed chemicals

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

TCSI : Not in compliance with the inventory



# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version 1.2	Revision Date: 05/24/2024	SDS Number: 50001325	Date of last issue: 06/05/2019 Date of first issue: 06/05/2019
----------------	------------------------------	-------------------------	---

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.

Pyroxasulfone

BENTONE EW

2',4'-DICHLORO-5'-(4-DIFLUOROMETHYL-4,5-DIHYDRO-3-METHYL-5-OXO-1H-1,2,4-TRIAZOL-1-YL)METHANESULFONANILIDE

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

### TSCA list

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

### FIFRA information

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

### CAUTION

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

## SECTION 16. OTHER INFORMATION

### Further information

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

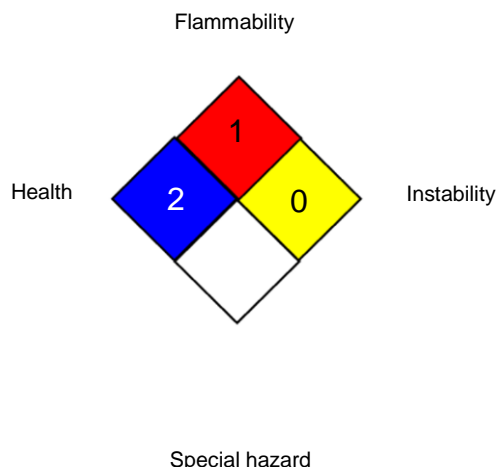
Version  
1.2

Revision Date:  
05/24/2024

SDS Number:  
50001325

Date of last issue: 06/05/2019  
Date of first issue: 06/05/2019

### NFPA 704:



0 No health threat, 1 Slightly Hazardous, 2 Hazardous, 3 Extreme danger, 4 Deadly

### HMIS® IV:

HEALTH	*	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

US WEEL : USA. Workplace Environmental Exposure Levels (WEEL)  
US WEEL / TWA : 8-hr TWA

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## AUTHORITY EDGE HERBICIDE

Version	Revision Date:	SDS Number:	Date of last issue: 06/05/2019
1.2	05/24/2024	50001325	Date of first issue: 06/05/2019

---

Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; 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

### 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.

US / EN

### Prepared by:

FMC Corporation

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

© 2021-2024 FMC Corporation. All Rights Reserved.

End of Material Safety Data Sheet