

**TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE**

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

**SECTION 1. IDENTIFICATION**

Product name : TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE  
Design code : A21472E  
Product Registration number : 33268  
Other means of identification : No data available

**Manufacturer or supplier's details**

Company name of supplier : Syngenta Canada Inc.  
Address : 140 Research Lane, Research Park  
Guelph ON N1G 4Z3  
Canada  
Telephone : 1-877-SYNGENTA (1-877-964-3682)  
Telefax : 1-519-823-0504  
E-mail address :  
Emergency telephone number : 1-800-327-8633 (FAST MED)

**Recommended use of the chemical and restrictions on use**

Recommended use : Herbicide

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the Hazardous Products Regulations**

Serious eye damage : Category 1  
Skin sensitisation : Sub-category 1B

**GHS label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.

Precautionary statements :

**Prevention:**

P261 Avoid breathing mist or vapours.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.  
 P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
 P362 + P364 Take off contaminated clothing and wash it before reuse.

### Disposal:

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

### Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
S-metolachlor	S-metolachlor	87392-12-9	24
dicamba-diglycolamine	dicamba-diglycolamine	104040-79-1	17.6991
acetic acid	acetic acid	64-19-7	$\geq 5 - < 10$ *
potassium hydroxide	potassium hydroxide	1310-58-3	$\geq 1 - < 5$ *

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

## SECTION 4. FIRST AID MEASURES

- General advice : Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.
- If inhaled : Move the victim to fresh air.  
 If breathing is irregular or stopped, administer artificial respiration.  
 Keep patient warm and at rest.  
 Call a physician or poison control centre immediately.
- In case of skin contact : Take off all contaminated clothing immediately.  
 Wash off immediately with plenty of water.  
 If skin irritation persists, call a physician.  
 Wash contaminated clothing before re-use.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
 Remove contact lenses.  
 Immediate medical attention is required.
- If swallowed : If swallowed, seek medical advice immediately and show this container or label.  
 Do NOT induce vomiting.
- Most important symptoms and effects, both acute and : Nonspecific  
 No symptoms known or expected.

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

delayed  
Notes to physician : There is no specific antidote available.  
Treat symptomatically.

### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Extinguishing media - small fires  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Extinguishing media - large fires  
Alcohol-resistant foam  
or  
Water spray

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during fire-fighting : As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).  
Exposure to decomposition products may be a hazard to health.

Further information : Do not allow run-off from fire fighting to enter drains or water courses.  
Cool closed containers exposed to fire with water spray.

Special protective equipment for firefighters : Wear full protective clothing and self-contained breathing apparatus.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
Do not flush into surface water or sanitary sewer system.  
If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Clean contaminated surface thoroughly.  
Clean with detergents. Avoid solvents.  
Retain and dispose of contaminated wash water.

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : No special protective measures against fire required.  
Avoid contact with skin and eyes.  
When using do not eat, drink or smoke.  
For personal protection see section 8.

Conditions for safe storage : No special storage conditions required.  
Keep containers tightly closed in a dry, cool and well-ventilated place.

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

Keep out of the reach of children.  
Keep away from food, drink and animal feedingstuffs.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
S-metolachlor	87392-12-9	TWA	5 mg/m <sup>3</sup>	Syngenta
acetic acid	64-19-7	TWA	10 ppm 25 mg/m <sup>3</sup>	CA AB OEL
		STEL	15 ppm 37 mg/m <sup>3</sup>	CA AB OEL
		TWA	10 ppm	CA BC OEL
		STEL	15 ppm	CA BC OEL
		TWAEV	10 ppm 25 mg/m <sup>3</sup>	CA QC OEL
		STEV	15 ppm 37 mg/m <sup>3</sup>	CA QC OEL
potassium hydroxide	1310-58-3	TWA	10 ppm	ACGIH
		STEL	15 ppm	ACGIH
		(c)	2 mg/m <sup>3</sup>	CA AB OEL
		C	2 mg/m <sup>3</sup>	CA BC OEL
		C	2 mg/m <sup>3</sup>	CA QC OEL
		C	2 mg/m <sup>3</sup>	ACGIH

**Engineering measures** : THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION AND PACKAGING OF THE PRODUCT. FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated.

The extent of these protection measures depends on the actual risks in use.

Maintain air concentrations below occupational exposure standards.

Where necessary, seek additional occupational hygiene advice.

#### Personal protective equipment

**Respiratory protection** : No personal respiratory protective equipment normally required.  
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection**

**Remarks** : Wear protective gloves. The choice of an appropriate glove

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

	does not only depend on its material but also on other quality features and is different from one producer to the other. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	: Always wear eye protection when the potential for inadvertent eye contact with the product cannot be excluded. Tightly fitting safety goggles Face-shield
Skin and body protection	: Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Remove and wash contaminated clothing before re-use. Wear as appropriate: Impervious clothing
Protective measures	: The use of technical measures should always have priority over the use of personal protective equipment. When selecting personal protective equipment, seek appropriate professional advice.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid
Colour	: light brown
Odour	: No data available
Odour Threshold	: No data available
pH	: 3 - 7 Concentration: 1 %w/v  5.7 Concentration: 100 %w/v
Melting point/range	: No data available
Boiling point/boiling range	: No data available
Flash point	: Method: Seta closed cup does not flash
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper explosion limit / Upper	: No data available

**TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE**

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

---

flammability limit	
Lower explosion limit / Lower flammability limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: 1.11 - 1.15 g/cm <sup>3</sup> (20 °C)
Solubility(ies)	
Water solubility	: No data available
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: 490 °C
Decomposition temperature	: No data available
Viscosity	
Viscosity, kinematic	: No data available
Explosive properties	: Not explosive
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Particle size	: No data available

---

**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	: None reasonably foreseeable.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: No decomposition if used as directed.
Incompatible materials	: None known.
Hazardous decomposition products	: No hazardous decomposition products are known.

---

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Ingestion  
Inhalation  
Skin contact  
Eye contact

**Acute toxicity****Product:**

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

- Assessment: The substance or mixture has no acute oral toxicity
- Acute inhalation toxicity : LC50 (Rat, male and female): > 3.01 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity  
Remarks: Based on data from similar materials

### Components:

#### **S-metolachlor:**

- Acute oral toxicity : LD50 (Rat, male and female): 2,672 mg/kg
- Acute inhalation toxicity : LC50 (Rat, male and female): > 2.91 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### **dicamba-diglycolamine:**

- Acute oral toxicity : LD50 (Rat, male): 3,040 mg/kg  
LD50 (Rat, female): 2,004 mg/kg
- Acute inhalation toxicity : LC50 (Rat, male and female): > 5.30 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Assessment: The substance or mixture has no acute inhalation toxicity
- Acute dermal toxicity : LD50 (Rabbit, male and female): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

#### **potassium hydroxide:**

- Acute oral toxicity : Assessment: The component/mixture is moderately toxic after single ingestion.

### **Skin corrosion/irritation**

#### Product:

- Species : Rabbit  
Result : No skin irritation

**TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE**

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

Remarks : Based on data from similar materials

**Components:****S-metolachlor:**

Species : Rabbit  
Result : No skin irritation

**dicamba-diglycolamine:**

Species : Rabbit  
Result : No skin irritation

**acetic acid:**

Assessment : Corrosive

**potassium hydroxide:**

Result : Corrosive after 3 minutes or less of exposure

**Serious eye damage/eye irritation****Product:**

Species : Chicken eye  
Result : Risk of serious damage to eyes.

**Components:****S-metolachlor:**

Species : Rabbit  
Result : No eye irritation

**dicamba-diglycolamine:**

Species : Rabbit  
Result : Eye irritation

**acetic acid:**

Assessment : Corrosive

**Respiratory or skin sensitisation****Product:**

Test Type : Local lymph node assay (LLNA)  
Species : Mouse  
Result : The product is a skin sensitiser, sub-category 1B.

**Components:****S-metolachlor:**

Species : Guinea pig  
Result : The product is a skin sensitiser, sub-category 1B.

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

### dicamba-diglycolamine:

Species : Guinea pig  
Result : Not a skin sensitizer.

### Germ cell mutagenicity

#### Components:

#### **S-metolachlor:**

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

#### **dicamba-diglycolamine:**

Germ cell mutagenicity - Assessment : Animal testing did not show any mutagenic effects.  
Remarks: Information given is based on data obtained from similar substances.  
The value is given in analogy to the following substances: dicamba (ISO)

#### **acetic acid:**

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

### Carcinogenicity

#### Components:

#### **S-metolachlor:**

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

#### **dicamba-diglycolamine:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.  
Remarks: Information given is based on data obtained from similar substances.  
The value is given in analogy to the following substances: dicamba (ISO)

#### **acetic acid:**

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

### Reproductive toxicity

#### Components:

#### **S-metolachlor:**

Reproductive toxicity - Assessment : Animal testing did not show any effects on fertility.

#### **dicamba-diglycolamine:**

Reproductive toxicity - Assessment : No toxicity to reproduction  
Remarks: Information given is based on data obtained from similar substances.

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

The value is given in analogy to the following substances:  
dicamba (ISO)

### acetic acid:

Reproductive toxicity - Assessment : No information available.

### STOT - repeated exposure

#### Components:

#### S-metolachlor:

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

### Further information

#### Components:

#### acetic acid:

Remarks : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the oesophagus and the stomach.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 2.44 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 79 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : ErC50 (Raphidocelis subcapitata (freshwater green alga)): 0.261 mg/l  
Exposure time: 72 h

EC10 (Raphidocelis subcapitata (freshwater green alga)): 0.119 mg/l  
End point: Growth rate  
Exposure time: 72 h

#### Components:

#### S-metolachlor:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.23 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Americamysis): 1.4 mg/l  
Exposure time: 96 h

Toxicity to algae/aquatic : ErC50 (Raphidocelis subcapitata (freshwater green alga)):

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

plants	0.077 mg/l Exposure time: 96 h
	NOEC (Raphidocelis subcapitata (freshwater green alga)): 0.016 mg/l End point: Growth rate Exposure time: 96 h
	EC50 (Lemna gibba (gibbous duckweed)): 0.023 mg/l Exposure time: 14 d
	NOEC (Lemna gibba (gibbous duckweed)): 0.0076 mg/l Exposure time: 14 d
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to fish (Chronic toxicity)	: NOEC (Pimephales promelas (fathead minnow)): 0.03 mg/l Exposure time: 35 d
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC (Americamysis): 0.13 mg/l Exposure time: 28 d
M-Factor (Chronic aquatic toxicity)	: 10
<b>dicamba-diglycolamine:</b>	
Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): > 1,000 mg/l Exposure time: 96 h
	LC50 (Lepomis macrochirus (Bluegill sunfish)): > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): > 1,000 mg/l Exposure time: 48 h
Toxicity to algae/aquatic plants	: EC50 (Skeletonema costatum (marine diatom)): 0.58 mg/l Exposure time: 120 h Remarks: Information given is based on data obtained from similar substances. The value is given in analogy to the following substances: dicamba (ISO)
	NOEC (Skeletonema costatum (marine diatom)): 0.011 mg/l Exposure time: 120 h Remarks: Information given is based on data obtained from similar substances. The value is given in analogy to the following substances: dicamba (ISO)
M-Factor (Acute aquatic toxicity)	: 1
M-Factor (Chronic aquatic toxicity)	: 1
<b>Ecotoxicology Assessment</b>	
Acute aquatic toxicity	: Very toxic to aquatic life.

**TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE**

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

---

**Persistence and degradability****Components:****S-metolachlor:**

Biodegradability : Result: Not readily biodegradable.

Stability in water : Degradation half life: 53 - 147 d  
Remarks: Product is not persistent.

**dicamba-diglycolamine:**

Biodegradability : Result: Not readily biodegradable.  
Remarks: Information given is based on data obtained from similar substances.  
The value is given in analogy to the following substances:  
dicamba (ISO)

**Bioaccumulative potential****Components:****S-metolachlor:**

Bioaccumulation : Remarks: Does not bioaccumulate.

Partition coefficient: n-octanol/water : log Pow: 3.05 (25 °C)

**dicamba-diglycolamine:**

Bioaccumulation : Remarks: Low bioaccumulation potential.  
Based on data from similar materials  
The value is given in analogy to the following substances:  
dicamba (ISO)

**Mobility in soil****Components:****S-metolachlor:**

Distribution among environmental compartments : Remarks: Moderately mobile in soils

Stability in soil : Dissipation time: 12 - 46 d  
Percentage dissipation: 50 % (DT50)  
Remarks: Product is not persistent.

**dicamba-diglycolamine:**

Distribution among environmental compartments : Remarks: Very highly mobile in soil.  
Based on data from similar materials

Stability in soil : Dissipation time: 1.4 - 11 d  
Percentage dissipation: 50 % (DT50)  
Remarks: Product is not persistent.  
Based on data from similar materials

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

### Other adverse effects

No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

- Waste from residues : Refer to the product label for specific disposal/recycling information  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Do not dispose of waste into sewer.  
Where possible recycling is preferred to disposal or incineration.  
If recycling is not practicable, dispose of in compliance with local regulations.
- Contaminated packaging : Refer to the product label for specific disposal/recycling information  
Empty remaining contents.  
Triple rinse containers.  
Empty containers should be taken to an approved waste handling site for recycling or disposal.  
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.  
(S-METOLACHLOR, DICAMBA-DIGLYCOLAMINE)  
Class : 9  
Packing group : III  
Labels : 9  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

#### IATA-DGR

- UN/ID No. : UN 3082  
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.  
(S-METOLACHLOR, DICAMBA-DIGLYCOLAMINE)  
Class : 9  
Packing group : III  
Labels : Miscellaneous  
Packing instruction (cargo aircraft) : 964  
Packing instruction (passenger aircraft) : 964  
Environmentally hazardous : yes  
Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

net mass of 5 kg or less for solids.

### IMDG-Code

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-METOLACHLOR, DICAMBA-DIGLYCOLAMINE)  
 Class : 9  
 Packing group : III  
 Labels : 9  
 EmS Code : F-A, S-F  
 Marine pollutant : yes  
 Remarks : This product can be subject to exemptions when packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids, or having a net mass of 5 kg or less for solids.

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

Not applicable for product as supplied.

### National Regulations

#### TDG

UN number : UN 3082  
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (S-METOLACHLOR, DICAMBA-DIGLYCOLAMINE)  
 Class : 9  
 Packing group : III  
 Labels : 9  
 ERG Code : 171  
 Marine pollutant : yes(S-METOLACHLOR, DICAMBA-DIGLYCOLAMINE)  
 Remarks : Class 9 Exemption from Part 3, Documentation, and Part 4, Dangerous Goods Safety Marks, if transported solely on land by road vehicle or railway vehicle.  
 1.45.1. SOR/2008-34

### 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

Read the label, authorised under the Pest Control Products Act, prior to using or handling the pest control product

There are Canada-specific environmental requirements for handling, use, and disposal of this pest control product that are indicated on the label.

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: Warning, contains the allergens 1,2-benzisothiazolin-3-one, 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one

## TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE

Version 2.2      Revision Date: 07/26/2023      SDS Number: S00056418311      This version replaces all previous versions.

Warning, contains the allergen 2-bromo-2-nitropropane-1,3-diol

**NPRI Components** : Solvent naphtha (petroleum), heavy arom.; Kerosine — unspecified  
naphthalene

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

DSL : This product contains the following components that are not on the Canadian DSL nor NDSL.  
S-metolachlor

dicamba-diglycolamine

2-[2-(ethylamino)ethoxy]ethan-1-ol

### Canadian lists

No substances are subject to a Significant New Activity Notification.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
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  
Syngenta : Syngenta Occupational Exposure Limit  
ACGIH / TWA : 8-hour, time-weighted average  
ACGIH / STEL : Short-term exposure limit  
ACGIH / C : Ceiling limit  
CA AB OEL / TWA : 8-hour Occupational exposure limit  
CA AB OEL / STEL : 15-minute occupational exposure limit  
CA AB OEL / (c) : ceiling occupational exposure limit  
CA BC OEL / TWA : 8-hour time weighted average  
CA BC OEL / STEL : short-term exposure limit  
CA BC OEL / C : ceiling limit  
CA QC OEL / TWAEV : Time-weighted average exposure value  
CA QC OEL / STEV : Short-term exposure value  
CA QC OEL / C : Ceiling  
Syngenta / TWA : Time weighted average

AllC - 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

**TAVIUM PLUS VAPORGRIP TECHNOLOGY HERBICIDE**

Version	Revision Date:	SDS Number:	This version replaces all previous versions.
2.2	07/26/2023	S00056418311	

- 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; KECl - 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; TECl - 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

Revision Date : 07/26/2023  
Date format : mm/dd/yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

CA / EN