



## VOLUNTARY PURCHASING GROUPS, INC.

### Safety Data Sheet Hi-Yield Turf & Ornamental Weed & Grass Stopper Containing Dimension

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#### SECTION 1: Identification

##### Product identifier

Product name Hi-Yield Turf & Ornamental Weed & Grass Stopper Containing Dimension  
Product number 33031

##### Other means of identification

EPA Reg. No. 62719-483-7401

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

Herbicide

##### Supplier's details

Name Voluntary Purchasing Groups, Inc.  
Address 230 FM 87  
Bonham, TX 75418  
USA  
  
Telephone 855-270-4776

##### Emergency phone number(s)

In the event of a medical or chemical emergency contact ChemTel, Inc.  
North American 1-800-255-3924 or worldwide Intl. + 01-813-248-0585

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#### SECTION 2: Hazard identification

##### Classification of the substance or mixture

##### GHS classification in accordance with OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation (chapter 3.2), Cat. 2
- Eye damage/irritation (chapter 3.3), Cat. 2A
- Hazardous to the aquatic environment - long-term hazard (chapter 4.1), Cat. 3

##### GHS label elements, including precautionary statements

##### Pictogram

# Safety Data Sheet

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### Hazard statement(s)

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H412 Harmful to aquatic life with long lasting effects

### Precautionary statement(s)

P264 Wash ... thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water/...  
P321 Specific treatment (see Section 4 on this SDS).  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local, regional, national, and international regulations.

### Other hazards which do not result in classification

No data available.

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## SECTION 3: Composition/information on ingredients

### Substances

#### Hazardous components

Component	Concentration
Dithiopyr (CAS no.: 97886-45-8)	Not specified

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## SECTION 4: First-aid measures

### Description of necessary first-aid measures

General advice If medical advice is needed, have product container or label at hand. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). IF exposed or concerned: Get medical advice/attention.

If inhaled If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.

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In case of skin contact	Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
In case of eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.
If swallowed	Rinse mouth. If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label. Call a POISON CENTER/doctor/physician if you feel unwell.

#### **Most important symptoms/effects, acute and delayed**

Symptoms/Injuries: Causes serious eye irritation. Causes skin irritation.

Symptoms/Injuries After Inhalation: Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure. May cause damage to organs through prolonged or repeated exposure.

#### **Indication of immediate medical attention and special treatment needed, if necessary**

If medical advice is needed, have product container or label at hand.

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## **SECTION 5: Fire-fighting measures**

#### **Suitable extinguishing media**

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use water jet. Use of heavy stream of water may spread fire.

#### **Specific hazards arising from the chemical**

Fire Hazard: Not considered flammable but will burn at high temperatures.

Explosion Hazard: Product itself is not explosive but if dust is generated, dust clouds suspended in air can be explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

#### **Special protective actions for fire-fighters**

Precautionary Measures Fire: Do not breathe fumes from fires or vapors from decomposition. Under fire conditions, the product will give off toxic vapors of ammonia and formaldehyde.

Firefighting Instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Protection During Firefighting: Firefighters must use full bunker gear including NIOSH-approved positive-pressure self-contained breathing apparatus to protect against potential hazardous combustion and decomposition products.

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Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

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#### SECTION 6: Accidental release measures

##### Personal precautions, protective equipment and emergency procedures

General Measures: Handle in accordance with good industrial hygiene and safety practice. Do not allow product to spread into the environment. Do not breathe dust. Do not get in eyes, on skin, or on clothing.

For Non-emergency Personnel

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: Ventilate area. Evacuate unnecessary personnel.

For Emergency Responders

Protective Equipment: Wear suitable protective clothing, gloves and eye/face protection. Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

Emergency Procedures: If possible, stop flow of product. Evacuate unnecessary personnel. Ventilate area.

##### Environmental precautions

Prevent entry to sewers and public waters. Contact competent authorities after a spill.

##### Methods and materials for containment and cleaning up

For Containment: Contain and collect as any solid.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Utilize a dust suppressant when removing mechanically.

##### Reference to other sections

See Section 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

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#### SECTION 7: Handling and storage

##### Precautions for safe handling

Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Precautions for Safe Handling: Wear recommended personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Use only outdoors or in a well-ventilated area.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

##### Conditions for safe storage, including any incompatibilities

Technical Measures: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.

Storage Conditions: Store tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Keep container closed when not in use.

Incompatible Products: Alkalis. Heat sources. Reducing agents. Oxidizers.

Prohibitions On Mixed Storage: Store away from: Ammonium nitrate. Refer to Section 10 on Incompatible Materials.

##### Specific end use(s)

Herbicide.

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### SECTION 8: Exposure controls/personal protection

#### Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Local exhaust and general ventilation must be adequate to meet exposure standards. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Ensure all national/local regulations are observed.

#### Individual protection measures, such as personal protective equipment (PPE)

##### Eye/face protection

Chemical safety goggles

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance/form	Multi-colored Solid Granules
Odor	None
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	Melting Point: 65 °C (149°F)
Initial boiling point and boiling range	No data available.
Flash point	Not Applicable
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	No data available.
Solubility(ies)	Water: Partially
Partition coefficient: n-octanol/water	No data available.

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Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

#### Other safety information

When using, do not eat, drink or smoke.

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## SECTION 10: Stability and reactivity

#### Reactivity

Hazardous reactions will not occur under normal conditions.

#### Chemical stability

Stable under recommended handling and storage conditions (see section 7)

#### Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### Conditions to avoid

Protect from moisture. Keep away from heat. Sparks, heat, open flame and other sources of ignition.

#### Incompatible materials

Alkalis. Heat sources. Reducing agents. Oxidizers.

#### Hazardous decomposition products

Thermal decomposition generates: Nitrogen oxides. Ammonia. Carbon oxides (CO, CO<sub>2</sub>).

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## SECTION 11: Toxicological information

#### Information on toxicological effects

##### Acute toxicity

Not classified

Dithiopyr (97886-45-8)

LD50 Oral Rat > 5 g/kg

LC50 Inhalation Rat > 6 g/m<sup>3</sup> (Exposure time: 4 h)

##### Skin corrosion/irritation

Causes skin irritation.

##### Serious eye damage/irritation

Causes serious eye irritation.

##### Respiratory or skin sensitization

Not classified

##### Germ cell mutagenicity

Not classified

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### **Carcinogenicity**

Not classified

### **Reproductive toxicity**

Not classified

### **Summary of evaluation of the CMR properties**

Not classified

### **STOT-single exposure**

Not classified

### **STOT-repeated exposure**

Not classified

### **Aspiration hazard**

Not classified

### **Additional information**

Symptoms/Injuries After Inhalation: Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss. Symptoms/Injuries After Skin Contact: Causes skin irritation. Symptoms may include: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation. Symptoms may include: redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: Pre-existing lung diseases such as emphysema or asthma may be aggravated by exposure to dusts. Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to a progressive massive fibrosis of the lung which may aggravate other pulmonary conditions and diseases and which increases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure, and pulmonary failure. Smoking aggravates the effects of exposure. May cause damage to organs through prolonged or repeated exposure.

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## **SECTION 12: Ecological information**

### **Toxicity**

EC50 Daphnia 1 53.2 mg/l

### **Persistence and degradability**

Fertilizer with Dimension

May cause long-term adverse effects in the environment. This product is water soluble and eventually biodegrades into elemental nitrogen. Excess nitrogen and nitrates in a body of water will contribute to eutrophication with visible effects such as toxic algae bloom.

### **Bioaccumulative potential**

Dithiopyr (97886-45-8)

Log Pow 4.75

### **Mobility in soil**

No data available.

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#### Other adverse effects

Avoid release to the environment.

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## SECTION 13: Disposal considerations

#### Disposal of the product

This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

#### Waste treatment

Pesticide: Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, State or local procedures. Or call (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain. Container: Do not reuse bag. Dispose of emptied bag(s) in a sanitary landfill approved for pesticide disposal, or by incineration.

#### Other disposal recommendations

Dispose of waste material in accordance with all local, regional, national, and international regulations.

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## SECTION 14: Transport information

#### DOT (US)

Not dangerous goods

#### IMDG

Not dangerous goods

#### IATA

Not dangerous goods

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## SECTION 15: Regulatory information

#### Safety, health and environmental regulations specific for the product in question

#### EPA TSCA Regulatory Flag

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.

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**SECTION 16: Other information**

No data available.

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# SAFETY DATA SHEET

SDS ID: 74530-52-72159

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	<b>Gly-Pho-Sel Pro Dry 75 SG</b>
<b>Product use / type:</b>	Herbicide
<b>EPA Registration No.:</b>	74530-52-72159
<b>Chemical name / active ingredient(s):</b>	Glyphosate, ammonium salt
<b>Manufacturer / Registrant:</b>	Agrisel USA, Inc. P.O. Box 3528 Suwanee, Georgia 30024
<b>Manufacturer's Telephone:</b>	770-831-4160
<b>Email:</b>	<a href="mailto:info@agrisel.com">info@agrisel.com</a>
<b>Chemical emergencies:</b>	1-800-424-9300 (Chemtrec)

## 2. HAZARDS IDENTIFICATION

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).

### Classification

<b>Serious Eye Damage / Eye Irritation</b>	Category 1
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## EMERGENCY OVERVIEW

**Signal Word: DANGER**

**Pictogram:**



**Appearance:** White granules

**Physical state:** Solid

**Odor:** Amine

### Hazard Statements:

- Causes serious eye damage

### Precautionary Statements:

- Wear protective gloves/eye protection/face protection.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor/get medical attention.

### Other Information / Potential Hazards:

May be harmful if swallowed.

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Gly-Pho-Sel Pro Dry 75 SG

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight % **
Ammonium glyphosate	40465-66-5	75.7
Ammonium sulfate	7783-20-2	10 – 20
Other ingredients	Proprietary	7 – 13

\*\* Exact concentration of components withheld as a trade secret. Values are not product specifications.

## 4. FIRST AID MEASURES

<b>If in Eyes:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>• Remove contaminated clothing and shoes.</li><li>• Rinse skin with plenty of water for 15 minutes. If irritation develops, call a poison control center or seek medical advice.</li></ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or get medical help, then give artificial respiration, preferably by mouth-to-mouth.</li></ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>Note to Physician:</b>	<ul style="list-style-type: none"><li>• Probable mucosal damage may contraindicate the usage of gastric lavage. Treat symptomatically.</li></ul>
<b>First-aider protection:</b>	Avoid contact with skin. Use barrier to give mouth-to-mouth resuscitation.

## 5. FIRE-FIGHTING MEASURES

<b>Flammable properties:</b>	Non-flammable. Avoid generation of dust. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
<b>Extinguishing media</b>	Water spray, alcohol resistant foam, CO <sub>2</sub>
<b>Unsuitable extinguishing media:</b>	High pressure water streams.
<b>Firefighting measures:</b>	Move container from fire area if it can be done without risk. Use extinguishing media appropriate for

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Gly-Pho-Sel Pro Dry 75 SG

SDS ID: 74530-52-72159

surrounding fire. Do not breathe gases, smoke or generated vapors.

**Protective equipment and precautions for firefighters:**

Wear full protective firefighting gear including self-contained breathing apparatus pressure demand (MSHA/NIOSH approved or equivalent).

**Hazardous decomposition products:**

Oxides of carbon and nitrogen. May release irritating and toxic gases due to thermal decomposition.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Wear protective gloves / clothing and eye / face protection. Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.

**Environmental precautions:**

Collect spillage. Keep out of waterways, sewers, drains and confined areas.

**Methods for containment:**

Contain spill with inert material (e.g. sand, silical gel, binder).

**Methods for cleanup:**

Pick up and transfer to properly labeled containers for disposal.

## 7. HANDLING AND STORAGE

**Precautions for safe handling:**

Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Minimize dust generation and accumulation.

**Precautions for safe storage:**

Store and handle in accordance with all current regulations and standards. Store in a tightly closed container. Store in a cool, dry place. Store in a well-ventilated area. Protect from sunlight. Keep away from incompatible materials.

**Incompatible storage situations:**

Do not store in galvanized steel containers. Separate pesticides during storage to prevent cross-contamination of other pesticides, fertilizers, food, and feed.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

**Exposure Guidelines:**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Engineering controls:**

Ensure adequate ventilation, especially in confined areas. Provide appropriate exhaust ventilation in places where dust may be formed.

**Personal protective equipment**

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<b>Eye / face protection:</b>	Wear chemical-tight goggles. If splashing is likely to occur, wear a full face shield.
<b>Body / skin protection:</b>	Long sleeved shirt, long pants, shoes plus socks.
<b>Hand protection:</b>	Wear chemical resistant gloves.
<b>Respiratory protection:</b>	If handling without sufficient ventilation, wear a dust / mist filtering respirator with organic cartridge(s).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Solid, granules
<b>Appearance:</b>	White
<b>Odor:</b>	Amine-like
<b>pH:</b>	3.0 – 6.0 (1% solution)
<b>Boiling point:</b>	Not applicable
<b>Flash point:</b>	Not applicable
<b>Relative density:</b>	0.6 g/ml
<b>Water solubility:</b>	Soluble
<b>Viscosity:</b>	Not applicable
<b>Log pow:</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity / chemical stability:</b>	Stable at normal temperature and conditions.
<b>Conditions / Materials to avoid:</b>	Avoid generation of dust. Direct sunlight. Strong oxidizing agents. Galvanized steel containers and spray equipment.
<b>Hazardous decomposition products:</b>	Oxides of carbon and nitrogen.
<b>Hazardous reactions:</b>	Not expected under normal conditions of handling and use.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure:

<b>Inhalation:</b>	No information available
<b>Ingestion:</b>	No information available
<b>Eye contact:</b>	Causes serious eye damage
<b>Skin contact:</b>	May cause skin irritation to susceptible persons.
<b>Symptoms:</b>	Contact with eyes will cause burning.

### Product toxicology:

<b>Acute oral LD50:</b>	Rat LD <sub>50</sub> : 5000 mg/kg
<b>Acute dermal LD50:</b>	Rat LD <sub>50</sub> : >5000 mg/kg
<b>Acute inhalation LC50:</b>	Rat 4-hr LC50: >2.10 mg/l
<b>Eye irritation:</b>	Causes severe eye irritation.

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**Skin irritation:** May cause slight skin irritation.  
**Sensitization:** Not a sensitizer.

## Component toxicology:

**Acute oral LD50:** Ammonium sulfate: Rat LD<sub>50</sub>: 2000 mg/kg  
Dispersing agent: Rat LD<sub>50</sub>: 71 mg/kg  
**Acute dermal LD50:** Dispersing agent: Rat LD<sub>50</sub>: 1300 mg/kg  
**Acute inhalation LC50:** No information available  
**Carcinogenicity:** No component of this product is listed by IARC, OSHA, NIOSH or NTP.  
**Mutagenic effects:** No information available

## 12. ECOLOGICAL INFORMATION

**Environmental Hazards:** May be harmful to aquatic life. Do not apply to any body of water.  
**Persistence and degradability:** No information available  
**Bioaccumulation:** No information available  
**Environmental fate:** No information available

## 13. DISPOSAL CONSIDERATIONS

**Product disposal:** Wastes resulting from the use of this product that cannot be used must be disposed in accordance with applicable Federal, State or local regulations at an approved waste disposal facility. Do not dispose of waste material into the environment.  
**Container disposal:** Emptied container retains product residue. Observe all labeled safeguards until container is destroyed or offered for recycling. Clean container promptly after emptying.

## 14. TRANSPORT INFORMATION

**U.S. DOT:** Not regulated for transport.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations:

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:

Signal word: DANGER

Corrosive. Causes irreversible eye damage. Harmful if swallowed. Do not get in eyes, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Wash thoroughly with soap and water after handling and before eating, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before re-use.

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**TSCA:** All components of this product are listed on or are exempt from listing on the TSCA chemical inventory.  
**SARA 311/312:** Health, acute  
**SARA 313:** No components listed  
**CERCLA:** No components listed

## U.S. State Regulations:

### State Right-to-Know Regulations:

Component	CAS No.	CA	MA	NY	NJ	PA
Ammonium sulfate	7783-20-2	No	Yes	Yes	No	Yes

**California Proposition 65:** This product does not contain substances known to the state of California to cause cancer and/or reproductive/developmental effects.

## 16. OTHER INFORMATION

<u>NFPA Ratings:</u>	Health	Fire	Instability
	3	1	0

**Revision No.:** 1.0  
**Revision Date:** 10-Jan-2017  
**Revision Note:** Initial release

## Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; CST - Centistokes; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; GHS - Global Harmonized System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Association; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

## Other information / Disclaimer

SELLER MAKES NO WARRANTY, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT OR THE MERCHANTABILITY OR FITNESS THEREOF FOR ANY PURPOSE, except that the product shall conform to contracted specifications, and that the product does not infringe any valid United States or Canadian patent. No claim of any kind shall be greater in amount than the purchase price of the quantity of product in respect of which damages are claimed. In no event shall Seller be liable for incidental or consequential damages, whether Buyer's claim is based on contract, breach of warranty, negligence or otherwise.

End of Safety Data Sheet



# SAFETY DATA SHEET

## Quali-Pro® Fahrenheit™

### SECTION 1: IDENTIFICATION

**Product Name:** Quali-Pro® Fahrenheit™  
**EPA Registration No.:** 53883-387  
**Recommended Use:** Herbicide; See product label for a complete list of uses and use sites.  
**Restrictions on Use:** See product label for any restrictions on the use of this product.  
**Chemical Family:** N/A – Multiple actives  
**Chemical Name of Active Ingredient(s):** Dicamba, potassium salt  
**Ingredient(s):** Metsulfuron-methyl  
**Manufactured for:** Control Solutions, Inc.  
 5903 Genoa-Red Bluff  
 Pasadena, TX 77507

**FOR FIRE, SPILL, AND/OR LEAK EMERGENCIES CONTACT: CHEMTREC 1-800-424-9300**

**FOR MEDICAL EMERGENCIES AND HEALTH AND SAFETY INQUIRIES CONTACT: Safety Call 1-866-897-8050**

### SECTION 2: HAZARD(S) IDENTIFICATION

**EMERGENCY OVERVIEW:** Off-white granules with a moderately bitter odor. Harmful if swallowed. Causes moderate but temporary eye irritation.

#### OSHA HCS CLASSIFICATION (29 CFR 1910.1200)

Acute Oral Toxicity	Category 4
Eye Damage/Irritation	Category 2B

**Signal Word:** WARNING



**Hazard Statement(s):** Harmful if swallowed.  
Causes eye irritation.

#### Precautionary Statement(s):

- Prevention:** Wash hands thoroughly after handling.  
Do not eat, drink or smoke when using this product.
- Response:** **IF SWALLOWED:** Call a poison center/doctor if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- Storage:** No statement required. See Section 7 for storage information.
- Disposal:** Dispose of contents/container in accordance with Federal, state and local laws and regulations.



**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS Number	Weight %
Dicamba, potassium salt	10007-85-9	33.0%
Metsulfuron-methyl	74223-64-6	5.0%

\*Ingredients not listed or listed with a weight % range are considered a trade secret and are withheld under 29 CFR 1910.1200(i).

**SECTION 4: FIRST AID MEASURES**

<b>IF IN EYES:</b>	Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
<b>IF ON SKIN:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
<b>IF INHALED:</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
<b>IF INGESTED:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Most important symptoms/effects, acute and delayed:** Gastrointestinal discomfort. Moderate but temporary eye irritation.

**SECTION 5: FIRE-FIGHTING MEASURES**

<b>Suitable Extinguishing Media:</b>	Dry chemical, foam, water spray (fog), carbon dioxide
<b>Unsuitable Extinguishing Media:</b>	Heavy water stream
<b>Hazardous Combustion Products:</b>	Thermal decomposition may produce oxides of carbon, nitrogen, potassium and sulfur as well as hydrogen chloride.
<b>Special Protective Equipment &amp; Precautions:</b>	Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Foam and/or dry chemical are preferred to minimize environmental contamination. If water is used, dike and collect water to prevent run-off. Wear self-contained breathing apparatus and full fire-fighting turn-out gear (Bunker gear).
<b>Unusual Fire &amp; Explosion Hazards:</b>	None known

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions:** See Section 8 for personal protection equipment.

**Environmental Precautions:** Keep spilled material and any rinsate from contaminating soil or from entering sewage and drainage systems and bodies of water.

**Methods for Containment:** Isolate the spill area. Keep unnecessary and unprotected personnel from entering. Avoid inhalation of dust. Avoid actions that cause dust to become airborne.

**Methods for Clean-up:** Uncontaminated product may be placed in a container for use according to label directions. Do not put spilled material back in the original container. Avoid actions that cause dust to become airborne during dry clean-up such as sweeping or using compressed air. Use HEPA vacuum or thoroughly wet with water to clean-up dust. Pick up wash liquid with additional absorbent and place in a disposable container.

**Other Information:** None known

**SECTION 7: HANDLING AND STORAGE**

**Handling:** RECOMMENDATIONS ARE INTENDED FOR MANUFACTURING, PACKAGING AND COMMERCIAL BLENDING WORKERS. PESTICIDE APPLICATORS AND WORKERS must refer to the product label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Handle and open container in a manner as to prevent spillage. Do not eat, drink or smoke while handling this product. Immediately wash off accidental contact with the product from skin, clothing and out of eyes.

**Storage:** See pesticide label for full information on product storage. Do not contaminate water, food or feed by storage of this product. Store away from sources of heat, out of direct sunlight and away from incompatible materials. Pesticides should be stored in secured areas away from children and animals.

**Storage Temperature (Min/Max):** Not determined

**Product Incompatibilities:** Strong oxidizers

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

Users of a pesticide product must refer to the product label for personal protective equipment requirements.

**Exposure Guidelines:**

COMPONENT	OSHA PEL	ACGIH TLV	NIOSH REL
No components listed			

**Engineering Controls:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs or other specified exposure limits. Local exhaust ventilation is preferred.

**Respiratory Protection:** In areas of poor ventilation or where exposure limits are exceeded, use a NIOSH approved respirator with cartridges/canisters approved for pesticides and general particulates.

<b>Eye Protection:</b>	Chemical goggles or safety glasses and full-face shield.
<b>Protective Gloves:</b>	Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.
<b>Other Protective Clothing:</b>	Long-sleeved shirt, long pants and shoes plus socks.
<b>General Safety Measures:</b>	Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Off-white granules	<b>Upper/Lower Flammability Limits:</b>	Not determined
<b>Odor:</b>	Moderately bitter	<b>Vapor Pressure:</b>	Not applicable
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	Not applicable
<b>pH (1% dispersion):</b>	8.84	<b>Bulk Density:</b>	58.8 lbs/ft <sup>3</sup>
<b>Melting /Freezing Point:</b>	Not determined	<b>Solubility:</b>	Not determined
<b>Boiling Point/Range:</b>	Not determined	<b>Partition Coefficient:</b>	Not determined
<b>Flash Point:</b>	Not applicable	<b>Auto-ignition Temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Flammability:</b>	Not flammable	<b>Viscosity:</b>	Not applicable

#### SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity:</b>	None known
<b>Chemical Stability:</b>	Stable under normal storage and handling conditions.
<b>Possibility of Hazardous Reactions:</b>	No potential for hazardous reactions known.
<b>Conditions to Avoid:</b>	Excessive heat. Moisture.
<b>Incompatible Materials:</b>	Strong oxidizers.
<b>Hazardous Decomposition Products:</b>	Thermal decomposition may produce oxides of carbon, nitrogen, potassium and sulfur as well as hydrogen chloride.

#### SECTION 11: TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eye contact, Skin contact, Inhalation, Ingestion
<b>Symptoms of Exposure:</b>	Gastrointestinal discomfort. Moderate but temporary eye irritation.
<b>Oral LD<sub>50</sub>:</b>	1,818 mg/kg (Based upon similar formulation.)
<b>Dermal LD<sub>50</sub>:</b>	>5,050 mg/kg (Based upon similar formulation.)
<b>Inhalation LC<sub>50</sub>:</b>	>2.03 mg/L (Based upon similar formulation.); No mortality observed during the study and no components are acutely toxic via inhalation.
<b>Eye Irritation/Damage:</b>	Moderately irritating (rabbit) with all effects clearing within 7 days. (Based upon similar formulation.)
<b>Skin Corrosion/Irritation:</b>	Non-irritant (rabbit)(Based upon similar formulation.)
<b>Skin Sensitization:</b>	Non-sensitizer (guinea pig)(Based upon similar formulation.)
<b>Chronic/Subchronic Toxicity:</b>	No data available
<b>Mutagenicity:</b>	No data available

**Reproductive Toxicity:** No data available  
**Neurotoxicity:** Technical Dicamba: Neurotoxicity signs such as impaired gaits and righting reflex were seen in both male and female rats at the lowest dose tested, 300 mg/kg/day.  
**Target Organs:** No data available  
**Aspiration Hazard:** No applicable  
**Carcinogenicity:** The EPA has concluded that dicamba is not likely to be carcinogenic to humans.

Chemical Name	ACGIH	IARC	NTP	OSHA
No components listed				

**SECTION 12: ECOLOGICAL INFORMATION**

**Environmental Hazards Statement from FIFRA Regulated Pesticide Label:**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff water may flow during periods of intense rainfall or to water-saturated soils, as off-target movement and injury may occur. Do not contaminate water when cleaning equipment or disposing of equipment wash waters. Do not apply this product through any type of irrigation system.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**ECOTOXICITY DATA:** Data presented below is on the metsulfuron-methyl technical product.  
**Fish Toxicity:** *Oncorhynchus mykiss*: NOAEC = 4.5 mg/L  
*Lepomis macrochirus*: 96-hour LC<sub>50</sub> >150 mg/L  
**Aquatic Invertebrate Toxicity:** *Daphnia magna*: 48 hr LC<sub>50</sub> >150 mg/L  
**Aquatic Plant Toxicity:** No data available  
**Avian Toxicity:** Mallard duck: Oral LD<sub>50</sub> >2,150 mg/kg  
**Honeybee Toxicity:** Oral LD<sub>50</sub> >25µg/bee

**ENVIRONMENTAL EFFECTS:**

**Persistence and Degradability:** No data available  
**Bioaccumulation:** No data available  
**Mobility:** No data available  
**Other Adverse Effects:** No data available

**SECTION 13: DISPOSAL CONSIDERATIONS**

- Waste Disposal:** Refer to the pesticide label for full information on disposal. Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.
- Container Disposal:** Refer to the pesticide label for full information on disposal. When possible, triple rinse the container and offer for recycling if available.
- RCRA Characteristics:** It is the responsibility of the individual disposing of this product to determine the RCRA classification and hazard status of the waste.

**SECTION 14: TRANSPORTATION INFORMATION**

- DOT (Ground):** Not regulated in quantities less than 3,570 lbs.
- IMDG (Sea):** Not regulated
- IATA (Air):** Not regulated

**SECTION 15: REGULATORY INFORMATION**

**Labeling Requirements Under FIFRA:** 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:

**WARNING**

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco, chewing gum, or using the toilet. Remove and wash contaminated clothing before reuse.

**TSCA Inventory:** This product is exempt from TSCA inventory listing requirements as it is solely for FIFRA regulated use.

**SARA Title III Information:**

- Section 302 – Extremely hazardous substances:** None
- Section 311/312 – Hazard Categories:** Acute (Immediate)
- Section 313 –** This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS Number	Weight %
Dicamba (acid)	1918-00-9	28.0%

**CERCLA** – This product contains the following chemicals which have a reportable quantity (RQ) under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Chemical Name	CAS Number	RQ	Quantity of Finished Product
Dicamba (acid)	1918-00-9	1,000 lbs	>3,570 lbs

**CALIFORNIA PROPOSITION 65:**

Chemical Name	CAS Number	Prop 65 Category(ies)
None listed		

**U.S. STATE RIGHT-TO-KNOW REGULATIONS:**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Dicamba	X	X	X

**SECTION 16: OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Special Hazards</b> – None
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