



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

IF IN EYES:	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.
IF ON SKIN:	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.
IF INHALED:	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.
IF INGESTED:	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

Suitable Extinguishing Media:	Dry chemical, foam, water spray (fog), carbon dioxide
Unsuitable Extinguishing Media:	Heavy water stream
Hazardous Combustion Products:	Thermal decomposition may produce oxides of carbon, nitrogen, potassium and sulfur as well as hydrogen chloride.
Special Protective Equipment & Precautions:	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).
Unusual Fire & Explosion Hazards:	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.

Eye Protection:	Chemical goggles or safety glasses and full-face shield.
Protective Gloves:	Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile, neoprene rubber, polyvinyl chloride (PVC) or Viton.
Other Protective Clothing:	Long-sleeved shirt, long pants and shoes plus socks.
General Safety Measures:	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

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

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eye contact, Skin contact, Inhalation, Ingestion
Symptoms of Exposure:	Gastrointestinal discomfort. Moderate but temporary eye irritation.
Oral LD₅₀:	1,818 mg/kg (Based upon similar formulation.)
Dermal LD₅₀:	>5,050 mg/kg (Based upon similar formulation.)
Inhalation LC₅₀:	>2.03 mg/L (Based upon similar formulation.); No mortality observed during the study and no components are acutely toxic via inhalation.
Eye Irritation/Damage:	Moderately irritating (rabbit) with all effects clearing within 7 days. (Based upon similar formulation.)
Skin Corrosion/Irritation:	Non-irritant (rabbit)(Based upon similar formulation.)
Skin Sensitization:	Non-sensitizer (guinea pig)(Based upon similar formulation.)
Chronic/Subchronic Toxicity:	No data available
Mutagenicity:	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 LC₅₀ >150 mg/L
Aquatic Invertebrate Toxicity: *Daphnia magna*: 48 hr LC₅₀ >150 mg/L
Aquatic Plant Toxicity: No data available
Avian Toxicity: Mallard duck: Oral LD₅₀ >2,150 mg/kg
Honeybee Toxicity: Oral LD₅₀ >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

NFPA	Health Hazards 2	Flammability 1	Instability 0	Special Hazards – None
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