



SAFETY DATA SHEET

1. IDENTIFICATION

PRODUCT NAME: HALO 5WDG Select™

DESCRIPTION: A powder herbicide in water-soluble packaging.

EPA Reg. No.: 89442-43

COMPANY IDENTIFICATION:

Albaugh, LLC
1525 NE 36th Street
Ankeny, IA 50021

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

2. HAZARD IDENTIFICATION

WARNING

Causes eye irritation (H320)

Very toxic to aquatic life with long lasting effects (H410)



HAZARD CLASSIFICATION

Health Hazards

Eye damage / irritation

Category

2B

Environmental Hazards

Hazardous to the aquatic environment, acute
Hazardous to the aquatic environment, chronic

Category

1
1

Physical Hazards

None

Category

-

HAZARDS NOT REQUIRING CLASSIFICATION

Do not use with or store near any oxidizing or reducing agents.

PRECAUTIONARY STATEMENTS

Wash hands thoroughly after handling. (P264)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue Rinsing. If eye irritation persists: Get medical advice or attention. (P305+P351+P338+P337+P313)

Avoid release to the environment not in accordance with label instructions. Collect spillage. (P273+ P391)

Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Common Name</u>	<u>Chemical Name</u>	<u>CAS #</u>	<u>Composition</u>
Halosulfuron-methyl	methyl 3-chloro-5-(4,6-dimethoxyimidin-2-ylcarbamoylsulfamoyl)-1-methylpyrazole-4-carboxylate	100784-20-1	5.0%

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Flash Point: Not applicable

Fire and Explosion Hazards: None known.

Extinguishing Medium: Fog, foam, dry chemical, or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained positive pressure breathing apparatus and full bunker gear.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Use foam or dry chemical fire extinguishing systems to prevent environmental damage from excessive water runoff.

Hazardous Combustion Products: No data available.

NFPA Ratings: Health – 1 / Flammability – 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate area and keep unnecessary and unprotected personnel from entering. Wear suitable personal protective clothing and equipment as described in Section 8 of this document.

Environmental Precautions: Prevent material from entering public sewer systems or any waterways. Do not flush to drain or soil. Contain contaminated water.

Spill Cleanup: Clean up spill immediately. **If spill is on land:** Reduce airborne dust. Vacuum or sweep up material and place in a chemical waste container. Wash spill area water. Pick up wash liquid with absorbent material and place in chemical waste container. **If spill is in water:** Stop the source of the release. Contain and isolate to prevent further release into soil, surface water and ground water. Absorb spill with inert material and remove contaminated water for treatment or disposal.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes or clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Storage: Keep pesticide in original container. Store under cool, dry conditions (below 120°F). Do not store under moist conditions.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash station and a safety shower.

Protective Clothing: Applicators, and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks.

General: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	light tan granule	pH:	6.5-8.5 (1% aq.)
Odor:	odorless	Kinematic viscosity:	not available
Melting/freezing point:	not available	Solubility:	Dispersible in H ₂ O
Boiling point/Boiling range:	not available	Partition coefficient:	not available
Flammability:	not available	Vapor pressure:	not available
Flammability limits (upper/lower):	not available	Bulk density:	56 lbs/ft ³
Flash point:	not available	Relative vapor density:	not available
Auto-ignition temperature:	not available	Particle characteristics:	not available
Decomposition temperature:	not available		

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Temperatures over 120°F and moist conditions.

CHEMICAL STABILITY: Stable under normal use and storage conditions.

INCOMPATIBILITY WITH OTHER MATERIALS: Oxidizing or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

DERMAL TOXICITY (rat LD₅₀): > 5,000 mg/kg

INHALATION TOXICITY (rat LC₅₀): > 2.05 mg/L (4-hour)

EYE IRRITATION: Causes moderate irritation

SKIN IRRITATION: Non-irritating

SKIN SENSITIZATION: Not a contact sensitizer

CARCINOGENICITY:

NTP: Not listed

IARC: Not listed

EPA: Not listed

MUTAGENIC TOXICITY: No evidence of mutagenic effects for the active ingredient or other components.

REPRODUCTIVE TOXICITY: No evidence of fertility or reproductive effects for the active ingredient or other compounds.

TERATOGENICITY: No evidence of teratogenic effects for the active ingredient or other components.

12. ECOLOGICAL INFORMATION

The active ingredient in this formulation is toxic to non-target vascular plants.

The following information is for the active ingredient, halosulfuron-methyl:

Rainbow Trout: (LC₅₀) > 131 mg/L

Daphnia Magna: (EC₅₀) > 107 mg/L

Algae (EC₅₀): 0.004 mg/L

This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental Control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. See container labeling for complete disposal instructions.

14. TRANSPORT INFORMATION

UN Number: UN3077
Proper Shipping Name: Environmentally hazardous substance, solid, N.O.S. (contains halosulfuron)
Transport Hazard Class: 9
Packing Group: III
Hazard Zone: A
Marine Pollutant: Yes¹
Hazardous Substance RQ: None
Labels / Placards: US-DOT: Class 9 Environmentally Hazardous Substance²
IMDG, IATA: Class 9 Environmentally Hazardous Substance³
Emergency Guide: 171 (NAERG – North American Emergency Response Guide)

¹ **Marine Pollutant Note:** Ground-only shipments are excluded from Marine Pollutant labeling requirements as per 49CFR§172.101 Appendix B(4). For any shipments involving all or part of the transport by vessel, the shipment must be classified as a Marine Pollutant unless a limited quantity exemption applies (see note 3 below).

² **US-DOT Note:** Not regulated for “ground only” shipments.

³ **IMDG / IATA Note:** Not regulated when shipped in single or inner packaging ≤ 11 lbs. (5 kg).

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION**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. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION. Causes moderate eye irritation. Avoid contact with eyes or clothing.

See inside label booklet for additional precautionary statements.

ENVIRONMENTAL HAZARDS

This product is toxic to non-target vascular plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Halosulfuron-methyl is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

15. REGULATORY INFORMATION (CONT.)

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of halosulfuron-methyl from runoff water and sediment. Runoff of this product will be greatly reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

PHYSICAL OR CHEMICAL HAZARDS

Do not use with or store near any oxidizing or reducing agents.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances

Not listed

SARA Title III – Section 311/312 Hazard Categories

Immediate

SARA Title III – Section 312 Threshold Planning Quantity

The threshold planning quantity (TPQ) for this product treated as a mixture is 10,000 lbs. This product contains no ingredients with a TPQ of less than 10,000 lbs.

SARA Title III – Section 313 Reportable Ingredients

None

CERCLA Reportable Quantity (RQ) –

Not listed

CALIFORNIA PROP 65 STATUS –

This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

CANADA –

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Albaugh, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ALBAUGH, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ALBAUGH, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

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