



Howard Johnson's Enterprises

Material Safety Data Sheet

Howard Johnson's Surge Weed and Feed 2217-882-32802

**MATERIAL SAFETY  
DATA SHEET**

Manufacturer: **HOWARD JOHNSON'S ENTERPRISES, INC.**  
**700 W. Virginia Street, #222**  
**Milwaukee, WI 53204-1548**  
**Emergency Phone: (414) 276-1505**

**For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night: 1-800-424-9300.**

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Chemical Name: Mixture  
Other Name: Granular fertilizer impregnated with Surge® broadleaf herbicide  
Shipping Information: Not regulated by US DOT for all modes of transportation within the US  
(package sizes 60 pounds or less)

**2. Ingredients:**

CAS No.	Chemical Name	% Range	OHSA PEL	SARA 313
1928434	2,4-Dichlorophenoxyacetic acid, isooctyl (2-ethylhexyl) ester	1.153%	NI	NI
1918009	3,6-Dichloro-o-anisic acid (Dicamba)	.073%	NI	NI
16484778	R(+)-2(2-Methyl-4-chlorophenoxy propionic acid (MCP)	.174%	NI	NI
122836355	Sulfentrazone	.034%	NI	NI

**3. Hazardous Identification:**

**Hazard Category:**

**X Acute X Chronic Fire Pressure Reactive**

**Hazardous Identification Information:**

The International Agency for Research on Cancer (IARC) lists chlorophenoxy herbicides in its Group 2B (limited evidence for carcinogenicity in humans.) The US EPA has given the chlorophenoxy herbicides 2,4-D, 2,4-DP, MCP, and MCPA a Class D classification (not classifiable as to human carcinogenicity.) More current 2,4-D lifetime feeding studies in rats and mice did not show carcinogenic effects and a recent World Health Organization (WHO) review of 2,4-D toxicology has concluded that 2,4-D is not a carcinogen.

**4. First Aid Measures:**

**Route(s) of Entry:**

Skin contact, Inhalation, Ingestion.

**Health Hazards (Acute and Chronic):**

EYES: Moderately irritating to eyes.

SKIN: Moderately irritating to the skin.

INHALATION: Moderately irritating to the mucous membranes. Inhalation of sprays may cause burning sensations in the respiratory tract, resulting in coughing.

INGESTION: May cause vomiting, with pain in the chest and abdomen, and diarrhea.

CORPORATE OFFICE  
700 W. VIRGINIA STREET 414-276-1505  
SUITE 222 800-298-4656  
MILWAUKEE, WI 53204 414-276-4184 FAX



Howard Johnson's Enterprises

## Material Safety Data Sheet

Howard Johnson's Surge Weed and Feed 2217-882-32802

### Signs and Symptoms:

Inhalation may cause burning in the chest, with coughing. Prolonged inhalation sometimes causes dizziness. Ingestion usually leads to vomiting. Pain in the chest and abdomen, and diarrhea may follow. Headache, mental confusion, and bizarre behavior are early manifestations of severe poisoning, which may progress to unconsciousness. Individuals with chronic skin disease or known sensitivity to chlorophenoxy compounds should either avoid using them or take strict precautions to avoid contact. (respirator, gloves, etc.)

### Medical Conditions Generally Aggravated by Exposure:

#### Emergency First Aid Procedure:

If swallowed:

- 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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.
- 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 5 minutes, then continue rinsing.
- 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 - 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 treatment advice.

#### Other Health Warnings:

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

## 5. Fire Fighting Measures:

**Upper Explosive Limit:** NI

**Lower Explosive Limit:** NI

**Flash Point:** NI

**F.P. Method:** NI

**Fire Extinguishing Media:** Foam, CO<sub>2</sub>, dry chemical.

#### Special Fire Fighting Procedures:

Wear positive-pressure breathing apparatus and full protective clothing. Fight fire from maximum distance. Stay up-wind and out of low areas.

#### Unusual Fire and Explosion:

Runoff from fire control area or dilution water may cause pollution. If surface water is contaminated, contact local authorities.

## 6. Accidental Release Measures:

**Steps to be Taken in Case Material is Released or Spilled:** Do not touch spilled material. See Section 8 for Personal Protective Equipment. Sweep up material and collect into drums; cover and label for disposal or use. Flush area with water if possible

CORPORATE OFFICE  
700 W. VIRGINIA STREET 414-276-1505  
SUITE 222 800-298-4656  
MILWAUKEE, WI 53204 414-276-4184 FAX



Howard Johnson's Enterprises

Material Safety Data Sheet

Howard Johnson's Surge Weed and Feed 2217-882-32802

### 7. Handling and Storage:

**Precautions to be Taken:** Store this product in original container in a locked storage area inaccessible to children and pets. Do not store near feed, seed, food, or other herbicides, fertilizers or insecticides, to prevent cross-contamination.

**Other Precautions:**NI

### 8. Exposure Controls/Personal Protection:

**Ventilation Requirements:** Good local ventilation is recommended; mechanical ventilation may be used if exposure limits may be exceeded.

**Personal Protective Equipment:** Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. When using this product, wear long-sleeved shirt, long pants, socks and shoes. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco

### 9. Physical and Chemical Properties:

**Boiling Point:** NI **Melting Point:** NI

**Evaporation Rate (Butyl Acetate = 1) :** NI

**Vapor Pressure (mm Hg.):** NI

**Vapor Density (Air = 1):** NI

**Solubility in Water:** NI

**Specific Gravity (H<sub>2</sub>O = 1):** 0.00000

**Appearance and Odor:** Brown, blue, white, & yellow granules, salty odor

pH = 6.45 for a 1% aqueous solution

Density = 0.743 grams/milliliter

**Other Information:**

### 10. Stability and Reactivity:

**Stability:** Stable.

**Incompatibility (Materials to Avoid):** None known

**Decomposition/By-Products:** May produce gases such as HCl, organo chlorides, nitrogen oxides, and carbon monoxide when burning.

**Hazardous Polymerization:** Will not occur.

### 11. Toxicological Information:

Acute Oral LD<sub>50</sub> >5,000 mg/kg in female rats.

Acute dermal LD<sub>50</sub> is greater than 5,000 mg/kg in male and female rats.

Acute Inhalation LC<sub>50</sub> >2.05 mg/L in male and female rats

Primary Eye Irritation: Mildly irritating to the eye.

Primary Dermal Irritation: Slightly irritating to the skin

This product is not considered to be a contact sensitizer.

### 12. Ecological Information:

**ENVIRONMENTAL HAZARDS:**

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. Do not apply directly to water. Do not contaminate water when disposing of equipment washwater. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

CORPORATE OFFICE  
700 W. VIRGINIA STREET 414-276-1505  
SUITE 222 800-298-4656  
MILWAUKEE, WI 53204 414-276-4184 FAX



Howard Johnson's Enterprises

Material Safety Data Sheet

Howard Johnson's Surge Weed and Feed 2217-882-32802

**13. Disposal Considerations:**

**CONTAINER DISPOSAL:**

If empty: Do not reuse this container. Place in trash or offer for recycling, if available.

If partially filled: Call your local solid waste agency or toll-free number (1-800-CLEANUP) for disposal instructions. Never place unused product down any indoor or outdoor drain.

**14. Transport Information:**

The following guidelines apply for domestic ground transport. If shipping by air or ocean, please contact our Transportation Dept. Freight Class: Herbicides, NOI - NMFC #50320 In our current available sizes, this product does not qualify as a Hazardous Material.

**15. Regulatory Information:**

OSHA STATUS: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA STATUS: This product is exempt from TSCA Regulation under FIFRA Section 3(2)(B)(ii) when used as a pesticide.

CERCLA REPORTABLE QUANTITY: 867 pounds of the formulation which contains 100 pounds of 2,4-D 2-ethylhexyl ester

SARA TITLE III: \

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES: None

SECTION 311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard

SECTION 313 TOXIC CHEMICALS: Dicamba CAS# 1918-00-9, 2,4-D 2-ethylhexyl ester CAS# 1928-43-4

RCRA STATUS: When discarded in its purchased form, this product is a listed RCRA hazardous waste and should be managed as a hazardous waste. (40 CFR 261.20-24)

**16. Other Information:**

NOTE: NI means not Indicated.

The information and statements in this Material Safety Data Sheet are believed to accurately reflect the scientific evidence used in making the hazard determination, but is not to be construed as a warranty or representation for which we assume legal Responsibility. Additional information may be necessary or desirable depending on particular, exceptional or variable conditions or circumstances of use or storage or because of locally applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information available to you and must make independent determinations of the suitability of the information for your particular circumstances or conditions and of the completeness of the information available from all sources to assure both the proper use of the material described herein and the safety and health of employees.

CORPORATE OFFICE  
700 W. VIRGINIA STREET 414-276-1505  
SUITE 222 800-298-4656  
MILWAUKEE, WI 53204 414-276-4184 FAX