

Manufacturer: **HOWARD JOHNSON'S ENTERPRISES, INC.**
700 W. Virginia Street, #222
Milwaukee, WI 53204-1548
Emergency Phone: (414) 276-4656

MATERIAL SAFETY DATA SHEET

**** SECTION 1: PRODUCT IDENTIFICATION ****

Product Name: Proven Brands LAWN FERTILIZER 33-3-10
Proven Brands FALL FERTILIZER 18-4-18

Chemical Name: Mixture

Other Name: Granular fertilizer

Shipping Information: Not regulated by US DOT for all modes of transportation within the US.

**** SECTION 2: HAZARDOUS INGREDIENTS ****

<u>Hazardous Ingredients</u>	<u>CAS Registry Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>SARA 313 Reportable</u>
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Crystalline silica (quartz)*	14808-60-7	0.1 mg/m ³	0.1 mg/m ³	No
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*May be present as a naturally occurring mineral in the fertilizer ingredients used in this formulation. The respirable portion of crystalline silica in this product is very small, and excessive inhalation is unlikely under normal conditions of use.

**** SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES ****

Physical Form:	Granular solid	Bulk Density:	Not established
pH:	Not applicable	Refractive Index:	Not applicable
Boiling Point:	Not applicable	Freezing Point:	Not applicable
Solubility in Water:	Partial	Viscosity:	Free-flowing granules
Vapor Pressure:	Not determined	Vapor Density:	Not determined
% Volatile:	Not determined	Evaporation Rate:	Not determined

Appearance & Odor: Multi-colored granules with a mild, characteristic fertilizer odor.

**** SECTION 4: FIRE AND EXPLOSION HAZARD DATA ****

Flash Point (°F):	None - not flammable	Flash Point Method:	Not applicable
Autoignition Temp (°F):	Not applicable	Burning Rate:	Not applicable
Explosive Limits:	Upper Limit (UEL): Not applicable	Lower Limit (LEL):	Not applicable

Extinguishing Media: Water, carbon dioxide, dry chemical or foam.

Special Fire Fighting Procedures: Firefighters should wear full protective gear and self-contained breathing apparatus. Contain runoff to prevent pollution. Fumes and smoke from fire may be hazardous.

Unusual Fire or Explosion Hazards: None.

**** SECTION 5: HEALTH HAZARD DATA ****

Primary Routes of Entry: Inhalation, ingestion, skin contact

Signs and Symptoms of Over-Exposure:

- Eye Contact: Acute: Mild, reversible irritation to eye. Chronic: None reported.
- Skin Contact: Acute: May cause mechanical irritation. Chronic: None reported.
- Inhalation: Acute: Excessive inhalation of fertilizer dust may irritate nose, throat and upper respiratory tract. Chronic: Excessive inhalation of crystalline silica (quartz) may cause lung injury.
- Ingestion: Acute: Ingestion of fertilizer components may cause nausea, vomiting, cramps, diarrhea. Chronic: None reported.

MSDS (continued) for Proven Brands LAWN FERTILIZER 33-3-10

Proven Brands FALL FERTILIZER 18-4-18

EMERGENCY FIRST AID PROCEDURES:

- Eye Contact: Hold eyelids open and flush eyes with large amounts of water for at least 15 minutes. If irritation persists after flushing, get medical attention.
- Skin Contact: Remove contaminated clothing and wash skin with soap and water. If irritation develops after washing, get medical attention.
- Inhalation: Remove person to fresh air. If breathing has stopped, give artificial respiration and get medical attention.
- Ingestion: Call a physician or poison control center. Give 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If syrup of ipecac is available, give 1 tablespoon (15 ml) followed by 1 to 2 glasses of water. If vomiting does not occur within 20 minutes, repeat dosage once. Never induce vomiting or give anything by mouth to an unconscious person.

Medical Conditions Aggravated by Exposure: Existing skin irritation, cuts or scrapes may be aggravated by contact with fertilizer. Pulmonary or respiratory disease may be aggravated by inhalation of dust.

Target Organs: Lungs

Carcinogens: Crystalline silica (quartz) component is classified as a carcinogen by NTP and IARC.

****** SECTION 6: REACTIVITY DATA ******

Stability: Stable
Chemical Incompatibilities: Strong oxidizers

Hazardous Polymerization: Will not occur
Conditions to avoid: None - product is stable

Hazardous Decomposition Products: Thermal decomposition (burning) may produce CO, CO₂, NO_x.

****** SECTION 7: ACCIDENTAL RELEASE PROCEDURES ******

Large Spill or Leak Procedures: Isolate and contain spill. Remove unauthorized persons from spill area. Wear suitable protective gear. Carefully sweep or scoop up spilled material and place in a closed, labelled container for use or disposal. Do not allow spilled material to enter streams, sewers or other waters.

Small Spill or Leak Procedures: Sweep up spilled material for use according to label directions.

Waste Disposal Methods: Consult state or local environmental agency for disposal of waste generated by a spill. Wastes resulting from the use of this product according to label directions may be disposed of with regular trash.

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

Engineering Controls - Ventilation: This product is designed for outdoor use only, and ventilation is not normally required. Local exhaust may be necessary when handling this product in an enclosed area.

Administrative Controls: Follow all precautions and directions for use on the product label.

Protective Clothing/Equipment: Wash thoroughly after handling, and before eating, drinking or smoking.

Respiratory Protection: For normal handling and use conditions, a respirator is not required. For excessively dusty conditions, use a respirator approved for pesticides by MSHA/NIOSH. See OSHA regulations in 29CFR 1910.134 before using any respirator or dust mask.

Eye Protection: Good safety practices suggest the use of goggles to prevent contact with eyes.

Hand Protection: Good safety practices suggest the use of rubber, leather or canvas gloves.

Skin Protection: Wear long-sleeved shirt and long trousers to prevent contact with skin.

Contaminated Equipment: Launder contaminated clothing separately from street clothes. Clean contaminated boots/shoes and other equipment with detergent and water immediately after use.

Safety Stations: Clean water should be available to flush eyes and/or skin in case of accidental contact.

****** SECTION 9: HANDLING AND STORAGE PRECAUTIONS ******

Handling Precautions: Wear appropriate protective gear when handling open containers.

Storage Requirements: Store in a locked area, away from food or feed, and out of reach of children, pets and domestic animals, in a dry and protected area. Keep containers tightly closed. Store in original container.

Update: 9/19/1997 by: Thomas J. Schmit, Regulatory Compliance Manager

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