



Exchange® 0-0-15

MATERIAL SAFETY DATA SHEET

Plant Science, Inc
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Gormley, Ontario
LOH 1G0

In case of emergency call:
1-613-996-6666 (CANUTEC)
Non-emergency calls:
1-905-713-3939

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SECTION ONE – MATERIAL IDENTIFICATION

Product Name: **Exchange 0-0-15 micro grade homogeneous fertilizer (SGN 90)**
Product Code: **2001B**

SECTION TWO – HAZARDOUS COMPONENTS

Component Material	CAS #	OSHA PEL	ACGIH TLV
Sulfate of Potash Magnesia	14977-37-8	None	None
Gypsum Lime	101-41-4	None	None
Lignin Sulfonate	N/A	None	None

SECTION THREE – FIRST AID PROCEDURES

Eyes: Flush with water for 15 minutes holding eyelids open. Get medical attention if irritation persists.

Ingestion: Never give anything by mouth to an unconscious or convulsing person. Have person drink one to glasses of water, and then induce vomiting until vomit is clear. Seek medical attention

Skin: Wash affected area with soap and plenty of water

Inhalation: Remove to fresh air. Treat symptomatically.

SECTION FOUR – HEALTH HAZARD INFORMATION

Summary of Risks: Possible skin or eye irritation, nausea, vomiting, or diarrhea. Inhalation of heavy concentrations of dust which contains manganese over prolonged periods (1-3 years) has been reported to cause damage to the central nervous system.

Primary Entry Routes: Ingestion, inhalation

Acute Effects: See summary

Chronic effects: None known

Medical conditions which may be aggravated by contact: Inhalation of dust may aggravate asthmatic condition, skin abrasions and sores

Ingredients listed as Carcinogens:

IARC Monographs:	Yes
NTP:	Yes
OSHA:	No

Explanation of Carcinogenicity

GYPSUM CONTAINS SILICA, CRYSTALLINE-QUARTZ: IARC MONOGRAPHS, SUPP, VOL 7, PG 341, 1987: GRP 2A. NTP 6TH ANNUAL RPT ON CARCINS, (SUPP DATA)

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SECTION FIVE – EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Goggles: Not required for normal use as a fertilizer but suggested as a means of avoiding contact with eyes.

Gloves: Not required for normal use as a fertilizer.

Respirator: If airborne dust levels are high, use of a NIOSH/MSHA approved respirator is recommended.

Workplace Considerations

Ventilation: Adequate ventilation recommended when potential for dust is high.

Safety Situations: Running water should be available in case of eye contact.

SECTION SIX – PHYSICAL HAZARD INFORMATION

Fire and Explosion

Flash Point (Test Method): N/A

Flammable Limits (% in air): N/A

Auto Ignition Temperature: N/A

Physical Properties

Appearance: Granular

Melting Point: N/A

Boiling Point: N/A

Solubility in Water: N/A

Specific Gravity: N/A

Vapor Pressure: N/A

Evaporation Rate: N/A

Reactivity

Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None known
Hazardous Decomposition Products, Unusual Fire, Explosion and Reactivity Hazards	None known
Chemical Incompatibilities:	None known
In Case of Fire:	Evacuate area. Flood with water to cool containers. Wear self-contained breathing apparatus. Contain run-off, as it may be toxic to aquatic organisms.
Extinguishing Media:	CO ₂ , dry chemical, water fog or foam.

SECTION SEVEN – REGULATORY INFORMATION

DOT Classification: Not DOT regulated

SECTION EIGHT – STORAGE AND SPECIAL PRECAUTIONS

Precautions to be taken in handling and storage

Consult product label. Keep out of reach of children. Avoid bag breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water when disposing of equipment wash waters. Keep out of lakes, streams, or ponds. Store in a clean, dry place. Reseal opened bag(s) by folding top down and securing. Use only clean, dry spreaders. Do not store unused product in spreaders.

In Case of Spills: Sweep up spills. Avoid contact with skin, eyes or clothing. Wash after handling.

Waste Management/Disposal: Dispose of on site or remove to approved landfill.

DISCLAIMER: This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. No warranty of merchantability, fitness for any particular purpose, or any other warranty, express or implied, made as concerns the information herein provided. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.