

Safety Data Sheet

SECTION 1: Identification

Product Name: PROFYL
Product Use: Fertilizer
Supplier: CHS Inc
Address: 5500 Cenex Drive
Inver Grove Heights, MN 55077
Phone: 651-355-6000
Emergency Telephone: CHEMTREC – 800-424-9300

SECTION 2: Hazard Identification



Classification: GHS-US
Signal Word: **Warning**
Hazard Statements: H320 – Causes eye irritation.
H313 – May be harmful in contact with skin.
H302 – Harmful if swallowed

Precautionary Statements

Prevention: P261 - Avoid breathing dust / fume / gas / mist / vapors / spray
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye / face protection
P101 + P102 + P103 – If medical advice is needed, have product container or label available. Keep out of reach of children. Read label before use.

Response: **If swallowed:** Rinse mouth and give lots of water. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Call a poison control center or doctor immediately.
If on skin (or hair): P302 + P352 – Wash with plenty of water for 15 to 20 minutes
If inhaled: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center or doctor for treatment advice.
If in eyes: P305 + P351 + P338 – IF IN EYES: Rinse with water for 15 to 20 minutes. Remove contact lenses, if present, and continue rinsing eyes. P337 + P313 – If eye irritation persists: get medical attention.

SECTION 3: Composition / Information on Ingredients

Name	CAS Number	Weight %	Classification (GHS-US)
Blend of plant nutrients derived from Urea, Ammonium Phosphate, Phosphoric Acid, Potassium Hydroxide, Zinc Sulfate and leonardite.	Proprietary	100%	
Total Nitrogen (N): 7.0% (Ammoniacal Nitrogen - 5.9%) (Urea Nitrogen - 1.1%)			
Available Phosphate (P2O5): 21.0%			
Soluble Potash (K2O): 2.0%			
Zinc (Zn): 0.3%			

SECTION 4: First Aid Measures

Eye: Flush eyes with clean water for at least 15 minutes. Lift eyelids to facilitate irrigation. If present, remove contact lenses after 5 minutes and continue rinsing. Seek medical attention for treatment advice.

Skin: Remove contaminated clothing and wash before re-using. Flush skin with water and then wash with soap and water. Seek medical attention for treatment advice.

Inhalation: Remove person from contaminated area to fresh air and assist breathing as needed. Seek medical attention if irritation occurs.

Ingestion: Seek medical attention or call a poison control center immediately for treatment advice. Do not induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

SECTION 5: Fire Fighting Measures

Extinguishing Media: Water spray, foam, carbon dioxide (CO₂), dry powder. Use extinguishing media appropriate for surrounding fire.

Specific Hazards Arising from the Substance: During a fire, oxides of carbon and silicon dioxide can be released.

Advice for Firefighters: Wear NIOSH/MSHA approved self-contained breathing apparatus and full bunker gear. Dike area to prevent runoff and contamination of water sources. Dispose of fire control water later. Avoid breathing vapors; keep upwind.

SECTION 6: Accidental Release Measures

Personal Precautions: Do not allow product to spread into the environment. Avoid all contact with skin, eyes, or clothing. Avoid breathing (dust, vapor, mist, gas).

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel. Ventilate area.

Methods & Material for Containment & Cleanup: **For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Collect spillage. Dispose in a safe manner in accordance with local/national regulations.

SECTION 7: Handling and Storage

Precautions for Safe Handling: Ensure adequate ventilation during handling and use. Immediately clean up spills that occur during handling. Keep containers closed when not in use. Practice good hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. Wear personal protective equipment.

Conditions for Safe Storage: Store in cool, dry areas away from children, food and feed products in an area away from incompatible substances. Ensure that storage area is secured. Protect packaging from physical damage. Protect from exposure to fire. Only store in poly propylene, PVC or stainless tanks.

SECTION 8: Exposure Controls / Personal Protection

Exposure Controls

PEL / ACGIH / TLV: Not available

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in immediate vicinity of any potential exposure area.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles.

Respiratory Protection: For most well-ventilated conditions, no respiratory protection should be needed.

Hand Protection: Wear chemically resistant protective gloves

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Properties

Physical State: Liquid

Appearance: Black

Odor: None

Odor Threshold: Not available

pH: 6.5-7.5

Melting Point: Not applicable

Freezing Point: Not available

Boiling Point: Not available

Flash Point: Not available

Evaporation Rate: Not available

Lower Flammable Limit: Not available

Upper Flammable Limit: Not available

Vapor Pressure: Not available

Relative Vapor Density at 20 °C: Not available

Density: 10.95

Solubility: Not available

Partition coefficient: n-

octanol/water: Not available

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

SECTION 10: Stability and Reactivity

Reactivity: Not available

Stability: Stable at standard temperature and pressure.

Possibility of hazardous reactions: No reactions known under normal use conditions.

reactions:

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous decomposition products: May include but are not limited to oxides of carbon and oxides of sulfur,

ammonia, and oxides of nitrogen.

SECTION 11: Toxicological Information

Acute Toxicity: Not available

Chronic Toxicity: Not available

Likely Routes of Exposure: Eyes, Skin, Inhalation, Ingestion

Eye: May cause eye irritation

Skin: May cause skin irritation

Inhalation: Inhalation of vapors may cause respiratory irritation.

Ingestion: Ingestion is likely to be harmful or have adverse effects

Chronic Symptoms: Not available

Carcinogenic: Not available

SECTION 12: Ecological Information

Not available

SECTION 13: Disposal Considerations

Waste Disposal Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
Recommendations:
Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: Transport Information

Not Regulated

SECTION 15: Regulatory Information

Not available

SECTION 16: Other Information

Date of preparation: 11-06-2017
Latest Date of Revision: 5-12-2020

Disclaimer: The information provided is accurate to the best of our knowledge. The information provided is intended to be a guide for safe use and handling. It is not to be considered as a warranty or quality specification. The information is intended to be used only for the specified material in this data sheet. It may not be valid when used in combination with other material or processes, unless specified in this data sheet.