

SAFETY DATA SHEET

1. IDENTIFICATION

Product Name: 880108-VI Harrell's 17-5-17 All Purpose

Product Type: Solid Granule

Recommended use / restrictions of use: Professional applications or Agricultural fertilizer. No restrictions.

Supplier's Details: Harrell's LLC

5105 New Tampa Hwy

Lakeland, FL 33815

1-800-282-8007

Emergency contact number

Name: Chemtrec

Phone Number: 1-800-424-9300

Customer Number: 10202

2. HAZARDS IDENTIFICATION

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

Oxidizing solids – Category 3
Serious eye damage - Category 1
Acute toxicity - Category 4 Oral

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements: May intensify fire; oxidizer
Causes serious eye damage
Harmful if swallowed

Precautionary statements: Wear protective gloves/ protective clothing/ eye protection/ face protection.
Wash skin thoroughly after handling.
Do not eat, drink, or smoke when using product.
Keep away from heat, hot surface, sparks, open flames and other ignition sources.
Keep away from clothing and other combustible materials. Take any precaution to avoid mixing with combustibles. No smoking.
IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.
IF SWALLOWED: Call a doctor if you feel unwell. Rinse mouth.
In case of fire: Use water in large amounts for extinction
Dispose of contents/container to an approved waste disposal.

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Other hazards: None

Other hazards not contributing to the classification: Spill area may be slippery.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is a mixture

Chemical name/component	CAS#	Concentration
Potassium Nitrate	7757-79-1	> 25 - < 50%
Ammonium Nitrate	6484-52-2	> 20 - < 30%
Calcium Nitrate Anhydrous	10124-37-5	> 10 - < 25%

NOTE: Sum of potassium nitrate, calcium nitrate anhydrous and ammonium nitrate > 65%

4. FIRST-AID MEASURES

Description of first aid measures

Eye Contact --If in eyes: Rinse continuously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.

Skin Contact - If on skin: Wash thoroughly with soap and water. Launder clothing before reuse

Inhalation -- If inhaled: Remove affected person from source of exposure. Call 911 if breathing is difficult.

Ingestion -- If ingested: Call a doctor if you feel unwell. Rinse mouth. Have the product label with you when calling a doctor.

Indication of any immediate medical attention and special treatment needed: No additional information available.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Water spray, dry chemical, carbon dioxide, sand

Unsuitable extinguishing media: None

Special hazards arising from the substance or mixture: Product is not self-ignitable, but promotes combustion.

Advice for firefighters

Firefighting instructions: Use extinguishing media appropriate for the surrounding materials.

Protection during firefighting: Wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode

Other information: If safe to do so prevent the contamination of the fertilizer by oil and other combustible materials. Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:

Use protective equipment to prevent contact with skin and eyes or inhalation of dust.
Use site specific emergency procedures if product is released. Prevent entry to sewers and public surface waters per site specific containment procedures.

Methods and material for containment and cleaning up:

Use mechanical means. Store material in suitable containers for recycle or disposal.
Minimize dust generation.

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7. HANDLING AND STORAGE

Precaution for safe handling: Avoid contact with skin and eyes. After handling, wash hands thoroughly with soap and water. Avoid generating and breathing dust. Wash before eating and drinking.

Fire/explosion precautions: Keep away from ignition sources. Product is not self-ignitable, but may support combustion.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a dry, cool, and well-ventilated area. Protect from weather.

Storage temperature (recommended) <= 30C/86F

Incompatible materials: Storage with combustible substances, agents, acids, alkali, sulphur, chlorates, chlorides, chromates, nitrites, permanganates, metal powders and substances containing such materials as copper, nickel, cobalt, zinc and alloys of any of the aforementioned materials should be avoided.

Prohibitions on mixed storage: Keep substance away from: (strong) acids, (strong) bases, combustible materials, organic materials, oxidizing agents

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Control parameters - Exposure limits are listed below, if they exist.

Component	Regulation	Type of listing	Value/Notation
Dust – inhalable particles	ACGIH	TWA	10 mg/m ³
Dust – respirable particles	ACGIH	TWA	3 mg/m ³

Exposure controls

Appropriate engineering controls: If dust is generated during handling, use adequate ventilation to keep exposure to airborne dust level below the threshold limits.

Hand protection: Wear suitable protective gloves.

Eye protection: Safety glasses with side shields or tight fitting goggles if dust is generated.

Skin and body protection: Wear long sleeved clothing and other suitable clothing to prevent skin exposure.

Respiratory protection: Respiratory protection should be worn when there is potential to exceed the exposure limit requirements or guidelines. A NIOSH approved dust respirator if dust level is above the threshold limit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and properties:

Physical state:	Solid granule	Flammability:	Not flammable
Color:	White	Flash point:	Not applicable
Odor:	Odorless	Explosive limit (upper):	No data available
Odor threshold:	Not determined	Explosive limit (lower):	No data available
Boiling point:	Not applicable	Auto ignition temp:	No data available
Melting point:	Not applicable	Decomposition temp:	No data available
Freezing point:	Not applicable	Partition coefficient:	No data available
Vapor pressure:	Not applicable	Viscosity, kinematic:	Not applicable
Vapor density:	Not applicable	Viscosity, dynamic:	Not applicable
pH:	No data available	Specific gravity:	No data available
Bulk density:	No data available	Solubility:	Soluble in water
Evaporation rate:	Not applicable	Oxidizing:	May intensify fire.

Other information: No further information available.

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10. STABILITY AND REACTIVITY

Reactivity:	The product is stable under normal conditions of use, storage and transport.
Chemical stability:	The product is stable under normal ambient storage conditions.
Possibility of hazardous reactions:	The product reacts with combustible materials and increases combustion even in the absence of air. Reacts with many compounds e.g.: with organic material, with combustible materials, with (some) metals and their compounds and with (strong) reducers. Reacts with (some) acids: release of toxic and corrosive gases/vapors (nitrous vapors). Heating under strong confinement (eg. in tubes or drains) may lead to a violent reaction or explosion. Can melt and decompose in a fire.
Conditions to avoid:	Avoid high temperatures. Prevent moisture contact.
Incompatible materials:	Keep substance away from: strong acids, strong bases and oxidation agents, combustible materials, reducing agents, organic materials, metal powders, chromates, chlorates, copper, zinc, aluminum.
Hazardous decomposition products:	On heating/burning: release of toxic and corrosive gases/vapors nitrous vapors. Decomposes on exposure to temperature rise: release of oxygen. Reacts with (some) acids: release of toxic and corrosive gases/vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:	Inhalation Skin contact Eye contact Ingestion
Symptoms/injuries after skin contact:	Prolonged contact may cause skin irritation.
Symptoms/injuries after eye contact:	Causes serious eye damage.
Symptoms/injuries after inhalation:	High concentrations of dust may irritate the throat and respiratory system and cause coughing.
Acute toxicity:	Harmful if swallowed.
Reproductive toxicity:	Not classified.
Specific Target Organ Toxicity-S E:	No relevant data found.
Specific Target Organ Toxicity-R E:	No relevant data found.
Carcinogenicity:	Not classified.
NTP (National Toxicology Program):	Not classified.
IARC (International Agency for Research on Cancer):	Not classified.
ACGIH (American Conference of Governmental Industrial Hygienists):	Not classified.

12. ECOLOGICAL INFORMATION

Toxicity:	No testing data available.
Persistence and degradability:	No data is available on the degradability of this product.
Bioaccumulative potential:	No data available.
Mobility in soil:	Non-persistent when applied using normal agricultural practices.
Other adverse effects:	No further relevant information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste disposal recommendations:	Recycle excess product if possible. Avoid sewage and landfill disposal.
Waste containers:	Do not use metal waste containers.
Reference to other sections:	See section 8 for exposure control information.

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14. TRANSPORT INFORMATION

DOT UN 1479 OXIDIZING SOLID, N.O.S. (CONTAINS Potassium Nitrate, Ammonium Nitrate), 5.1, PG III

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. 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

OSHA Hazard Communication Standard

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product does not contain substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

16. OTHER INFORMATION

Date of preparation/issue date: January 14, 2019

H-3, F-0, I-0, SH-OX

Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information is designed only as guidance for safe handling, use, storage, transportation, and disposal, and is not to be considered a warranty (express, implied, merchantability or fitness for any particular purpose) or quality specification. The information relates only to the specific material designated therein.