

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

FORMULATED FOR:

Target Specialty Products
15415 Marquardt Ave.
Santa Fe Springs, CA 90670
800-352-3870



PRODUCT NAME: Turf Fuel Premium Granular 12-2-12

PRODUCT USE: Fertilizer

Date of Issue: 02/20/20

2. HAZARDS IDENTIFICATION SUMMARY

HAZARD SYMBOLS / STATEMENTS:



WARNING MAY BE HARMFUL IF SWALLOWED
MAY CAUSE MILD SKIN IRRITATION
MAY CAUSE EYE IRRITATION
MAY CAUSE RESPIRATORY IRRITATION

HAZARD CLASSIFICATIONS:

ACUTE TOXICITY

SKIN IRRITATION

EYE IRRITATION

TARGET ORGAN SYSTEMIC TOXICITY

CATEGORY

5

3

2B

3

INTERPRETATION

Low

Mild Skin Irritation Possible

Eye Irritation Possible

Transient Respiratory Irritation Possible

PRECAUTIONARY STATEMENTS:

- CALL A POISON CENTER / PHYSICIAN IF UNWELL
- IF SKIN IRRITATION OCCURS, GET MEDICAL ADVICE
- IF IN EYES, RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES – REMOVE CONTACT LENSES
- IF EYE IRRITATION PERSISTS, GET MEDICAL ADVICE
- WASH HANDS AFTER HANDLING
- USE ONLY OUTDOORS OR IN WELL VENTILATED AREAS
- AVOID BREATHING DUST
- IF INHALED, REMOVE TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING
- STORE CONTAINER TIGHTLY CLOSED
- DISPOSE OF CONTENTS / CONTAINER IN ACCORDANCE WITH NATIONAL / REGIONAL / LOCAL REGULATIONS

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>CHEMICAL IDENTITY:</u>	<u>SYNONYM</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION (%)</u>
Ammonium sulfate		7783-20-2	40-50
Potassium sulfate	Sulfate of potash	7778-80-5	10-20
Urea		57-13-6	1-10
Potassium magnesium sulfate	Sulpomag	14977-37-8	1-10
Monoammonium phosphate		7722-76-1	1-10
Micronutrient Mix		Mixture	<10
Plant Extracts		Mixture	<1
Nutrifense Fertilizer Blend		Mixture	<1

4. FIRST AID MEASURES

IF INHALED: Move victim to fresh air. Seek medical attention if irritation persists

IF ON SKIN: Wash affected areas with soap and water. Seek medical attention if irritation persists, wash contaminated clothing before re-use.

IF IN THE EYES: Immediately flush with water for at least 20 minutes. Seek medical attention if irritation persists.

IF SWALLOWED: If victim is alert and not convulsing, give one glass of water to dilute material, but DO NOT induce vomiting. Seek immediate medical attention.

SPECIAL TREATMENT: None Known

HEALTH HAZARDS: See Section 11

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use media suitable for surrounding fire. No special media required.

SPECIFIC FIRE HAZARDS: Decomposition products may be toxic.

SPECIAL FIREFIGHTING PROCEDURES: Wear full protective clothing and positive-pressure self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SPILL / RELEASE PROCEDURES: Collect spilled product and store to re-use. Contaminated product and/or environmental media should be recovered and disposed of properly.

ENVIRONMENTAL PRECAUTIONS: Prevent spilled material from entering store drains or water bodies.

PROTECTIVE EQUIPMENT: See Section 8

7. HANDLING AND STORAGE

Store in a cool, dry, well ventilated area. Do not store above 120°F.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

HAZARDOUS COMPONENT	OSHA PEL	ACGI TL
Ammonium sulfate	15 mg/ m ³ (total) 5 mg/ m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/ m ³ (respirable)
Potassium sulfate	15 mg/ m ³ (total) 5 mg/ m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/ m ³ (respirable)
Urea	15 mg/ m ³ (total) 5 mg/ m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/ m ³ (respirable)
Potassium magnesium sulfate	15 mg/ m ³ (total) 5 mg/ m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/ m ³ (respirable)
Monoammonium phosphate	15 mg/ m ³ (total) 5 mg/ m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/ m ³ (respirable)
Plant Extracts and Inerts	15 mg/ m ³ (total) 5 mg/ m ³ (respirable)	10 mg/m ³ (inhalable) 3 mg/ m ³ (respirable)

Nutrifense Fertilizer blend

15 mg/ m³ (total)
5 mg/ m³ (respirable)

10 mg/m³ (inhalable)
3 mg/ m³ (respirable)

PERSONAL PROTECTIVE EQUIPMENT / PROTECTION MEASURES / CONTROLS:

RESPIRATORY PROTECTION: NIOSH approved particulate respirator, if required
EYE PROTECTION: Safety glasses with side shields, goggles or face shield recommended
SKIN PROTECTION: Long sleeves, protective gloves recommended
VENTILATION: Local exhaust ventilation recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Multi-colored granules, with slight odor
pH: Not available
MELTING POINT: Not available
BOILING POINT: Not available
FLASH POINT: Not available
EVAPORATION RATE: Not available
FLAMMABLE LIMITS: Not available
VAPOR PRESSURE: Not available
VAPOR DENSITY: Not available
SPECIFIC GRAVITY: Not available
SOLUBILITY (IN WATER): Partially soluble
PARTITION COEFFICIENT: Not applicable
AUTOIGNITION TEMP: Not available
DECOMPOSITION TEMP: Not available

10. STABILITY AND REACTIVITY

STABILITY: Product is stable.
CONDITIONS TO AVOID: Excessive heat (over 200°F)
INCOMPATIBILITY: Strong oxidizers, acids
HAZARDOUS DECOMPOSITION PRODUCTS: CO_x, NH₃, SO_x, NO_x, metal oxides

11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS: May be irritating to the nose, throat, and respiratory tract, and may cause sore throat, coughing, and shortness of breath. Skin irritation may result. May also be irritating to the eyes, causing redness and watering. Ingestion may result in sore throat, abdominal pain, nausea, and diarrhea.
CARCINOGENICITY: None of the ingredients are known / listed carcinogens.

INGREDIENT TOXICITY RANGES:

ORAL: 1,480 mg/kg (Iron sulfate) – 6,600 mg/kg (potassium sulfate)
DERMAL: > 2,000 mg/kg (ammonium sulfate)
INHALATION: None listed

12. ECOLOGICAL INFORMATION

This product is not known to be ecotoxic, persistent, or have the potential to bioaccumulate.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all national, regional / state, and local regulations. Reuse recovered product where possible.

14. TRANSPORT INFORMATION

This product is not regulated as a transportation hazard.

15. REGULATORY INFORMATION

SARA SECTION 311 / 312 HAZARD CATEGORY: IMMEDIATE HAZARD

16. OTHER

NFPA RATINGS: HEALTH 1
FLAMMABILITY 0
INSTABILITY 0

HMIS RATINGS: HEALTH 1
FLAMMABILITY 0
PHYSICAL HAZARD 0

Disclaimer and Limitation of Liability: This data sheet was developed from information on the constituent materials identified herein and does not relate to the use of such materials in combination with any other material of process. No warranty is expressed or implied with respect to the completeness or ongoing accuracy of the information contained in this data sheet, and Target Specialty Products. disclaims all liability for reliance on such information. This data sheet is not a guarantee of safety. Users are responsible for ensuring that they have all current information necessary to safely use the product described by this data sheet for their specific purpose.