SAFETY DATA SHEET

Prepared to OSHA HCS 29 CFR 1910.1200 (GHS)

Sigma 11-0-4

Revision date: October 25, 2026
Supersedes: see Section 16

Section 1 Identification

Product identifier	Sigma 11-0-4
Other means of identification	11-0-4
Recommended use and restrictions	Granular fertilizer for turf and landscape. Fertilizer use only.
Supplier	Sigma AgriScience, LLC · 580 Maxim Dr., Boling, TX 77420
Telephone	+1 (281) 706-8171
Email / website	info@sigma-agri.com · SigmaAgriScience.com
Emergency telephone	+1 (281) 706-8171 · Medical emergency: call 911

Section 2 Hazard(s) identification

Skin irritation, Category 2 · Eye irritation, Category 2A · Specific target organ toxicity, single exposure (respiratory irritation), Category 3.



Signal word: Warning

Hazard statements

- H315 – Causes skin irritation.
- H319 – Causes serious eye irritation.
- H335 – May cause respiratory irritation.

Precautionary statements

- P261 – Avoid breathing dust.
- P264 – Wash hands thoroughly after handling.
- P270 – Do not eat, drink or smoke when using this product.
- P280 – Wear protective gloves and eye protection.
- P302+P352 – IF ON SKIN: Wash with plenty of water.
- P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 – If eye irritation persists: Get medical advice/attention.
- P501 – Dispose of contents/container according to local and regional regulations.

Other hazards not resulting in classification: None.

Section 3 Composition / information on ingredients

Granular fertilizer. Nitrogen is in ammoniacal and amino acid (protein hydrolysate) forms; the ammonium content is the basis for the irritation classification in Section 2.

Composition	Derived from aqua ammonia and beet protein hydrolysate.
Guaranteed analysis	Total nitrogen 11.0% (7.0% ammoniacal, 2.0% other water soluble, 2.0% water insoluble) · Soluble potash 4.0%. See product label.

Section 4 First-aid measures

Inhalation	If inhaled, remove to fresh air. Get medical attention if you feel unwell.
Eye contact	Rinse cautiously with plenty of running water for several minutes. Remove contact lenses, if present. Get medical attention if irritation persists.
Skin contact	Wash with soap and water. Get medical attention if irritation develops.

Ingestion	Rinse mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if you feel unwell.
Most important symptoms and effects	May cause irritation of the eyes, skin and respiratory tract.
Notes to physician	Treat symptomatically.

Section 5 Fire-fighting measures

Flash point	Not applicable.
Extinguishing media	Use extinguishing measures appropriate to local circumstances and the surrounding environment.
Special hazards	In a fire, may release ammonia and oxides of nitrogen.
Firefighter precautions	Wear self-contained breathing apparatus and protective clothing. Dike area to prevent runoff water from entering drains or waterways.

Section 6 Accidental release measures

Personal precautions	Wear gloves and eye protection. Avoid creating dust.
Environmental precautions	Keep out of storm drains, ditches and waterways.
Containment and cleanup	Sweep up and reuse as product, or transfer to properly labeled containers for disposal.

Section 7 Handling and storage

Safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid breathing dust. Wash hands after handling.
Safe storage	Store in a cool, dry place, bag closed, out of reach of children and pets. Do not contaminate water, food or feed by storage or disposal.

Section 8 Exposure controls / personal protection

Occupational exposure limits	None established for the mixture.
Engineering controls	Good general ventilation should be sufficient to control worker exposure to airborne dust.
Personal protection	Protective gloves and safety glasses or goggles. A dust mask is recommended in dusty conditions.

Section 9 Physical and chemical properties

Appearance	Brown, solid granules
Odor	Mild ammonia / organic
Water solubility	Partly soluble
pH, flash point, density and other properties	No data available

Section 10 Stability and reactivity

Chemical stability	Stable under recommended storage conditions.
Incompatibility	Strong oxidizers, strong bases.
Hazardous decomposition products	Ammonia and oxides of nitrogen when heated to decomposition.
Hazardous polymerization	Does not occur.

Section 11 Toxicological information

Ingestion, skin, eye	No data available for the mixture. May cause irritation.

Inhalation	Dust may irritate the respiratory tract.
Sensitization / carcinogenicity	No data available.

Section 12 Ecological information

Aquatic toxicity	No data available for the mixture. Ammonium nitrogen can be harmful to aquatic life in concentrated runoff.
Degradability	Organic components are readily biodegradable.

Section 13 Disposal considerations

Wastes from this product that cannot be used or reprocessed should be disposed of in accordance with applicable federal, state or local procedures. Containers: observe state and local regulations.

Section 14 Transport information

DOT (ground)	Not regulated
IATA (air)	Not regulated
IMDG (sea)	Not regulated
UN number / shipping name	Not regulated

Section 15 Regulatory information

SARA 313	Contains no chemicals subject to SARA Title III Section 313 reporting (40 CFR 372).
CERCLA	Contains no substances regulated as hazardous under CERCLA (40 CFR 302) or SARA (40 CFR 355).
California Prop 65	This product is not known to contain any Proposition 65 chemicals.

Section 16 Other information

Revision date	October 25, 2026
Revision note	First issue in the uniform Sigma AgriScience SDS format.
Supersedes	No previous SDS for this product. Classification is set conservatively from the product's ammonium nitrogen content, following other Sigma ammonium-containing fertilizers, and will be confirmed against the raw material supplier's SDS.
Ratings	NFPA: Health 1 · Flammability 0 · Reactivity 0.

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