

# SAFETY DATA SHEET

## 1. Identification

<b>Product identifier</b>	<b>Aminotop N</b>
<b>Recommended use</b>	Agricultural/Horticultural Use-Fertilizer/Biostimulant-Refer to product label
<b>Recommended restrictions</b>	Refer to product label
<b>Manufacturer/Importer/Supplier/Distributor information</b>	
<b>Manufacturer</b>	
<b>Company name</b>	Norofert AG
<b>Address</b>	1024 7th Street SE, Watertown South Dakota 57201 United States
<b>Telephone</b>	605-366-8181
<b>E-mail</b>	office@norofert.com
<b>Emergency phone number</b>	National Capital Poison Center 800-222-1222

## 2. Hazard(s) identification

<b>Physical hazards</b>	Not classified
<b>Health hazards</b>	Not classified
<b>Environmental hazards</b>	Not classified
<b>OSHA define hazards</b>	Not classified
<b>Label elements</b>	
<b>Hazard symbol</b>	None
<b>Signal word</b>	None
<b>Hazard statement</b>	Not a hazardous substance or mixture
<b>Precautionary statement</b>	
<b>Prevention</b>	Observe good industrial hygiene practices
<b>Response</b>	Wash hands after handling
<b>Storage</b>	Store away from incompatible materials
<b>Disposal</b>	Dispose of waste and residues in accordance with local authority requirements
<b>Hazard(s) not otherwise Classified (HNOC)</b>	None known
<b>Supplemental information</b>	None

## 3. Composition/information on ingredients

### Mixtures

The manufacturer lists no ingredients as hazardous to health

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists
<b>Eye contact</b>	Do not rub eyes. Rinse with water. Get medical attention if irritation develops and persists
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur
<b>Most important symptoms/effects, acute and</b>	None known

delayed

**Notes to physician**

Treat symptomatically

**General information**

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

## 5. Fire-fighting measures

**Suitable extinguishing media**

Water spray, foam, dry powder, CO2

**Specific hazards arising from the chemical**

During fire, gases hazardous may be formed

**Special protective equipment and precautions for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Firefighting equipment/instructions**

Use personal protective equipment

**Specific methods**

Use water spray to cool unopened containers

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

**General fire hazards**

No unusual fire or explosion hazards noted

## 6. Accidental release measures

**Personal precautions protective equipment and emergency procedures**

Keep far from the area all persons not related with the emergency.

Avoid inhalation, contact with skin and eyes.

Use protective gloves.

**Methods and material for containment and cleaning up**

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in.

Pick up and arrange disposal without creating dust.

Recovered material should be stored in a vented container.

The vent must prevent the ingress of water as further reaction with spilled materials can take place which could lead to overpressurization of the container.

Sweep up and shovel.

Keep in suitable, closed containers for disposal.

Sweep up or vacuum up spillage and collect in suitable container for disposal.

**Environmental precautions**

See Section 13, Disposal Considerations, for additional information

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated water. Local authorities should be advised if significant spillages cannot be contained.

## 7. Handling and storage

**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice.

Smoking, eating and drinking should be prohibited in the application area.

Take care to prevent spills, waste and minimize release to the environment

**Conditions for safe storage**

Store in tightly closed container. Store in a well-ventilated place. Store away from incompatible materials.

**including any incompatibilities**

Store in secured areas away from children, feed, and other food products.

Storage temperature 45 F to 75 F

**Materials to avoid**

Strong oxidizing agents

**Packaging material**

Unsuitable material: None known.

## 8. Exposure controls/personal protection

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

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<b>Engineering measures</b>	Good general ventilation should be sufficient for most conditions.
<b>Personal protective equipment</b>	
<b>Respiratory protection</b>	Respiratory protection is required. For manufacturing processes filtering half-mask FFP1 (meeting standard EN 149) is recommended.
<b>Hand protection</b>	
<b>Remarks</b>	Chemical-resistant gloves
<b>Eye protection</b>	Wear overall chemical splash goggles and face shield when the possibility exists for eye or face contact from airborne material. Use chemical goggles or equivalent eye protection.
<b>Skin and body protection</b>	Remove contaminated clothing immediately, wash skin area with soap and water. Contaminated clothing should be disposed of properly or decontaminated and laundered before reuse.

## 9. Physical and chemical properties

<b>Appearance</b>	liquid
<b>Physical state</b>	liquid
<b>Color</b>	brown
<b>Odor</b>	specific
<b>Odor threshold</b>	not available
<b>Ph</b>	7-8
<b>Melting point/freezing point</b>	not available
<b>Initial boiling point</b>	not available
<b>Flash point</b>	not available
<b>Evaporation rate</b>	not available
<b>Flammability</b>	not available
<b>Explosive limit - lower</b>	not available
<b>Explosive limit – upper</b>	not available
<b>Vapor pressure</b>	not available
<b>Vapor density</b>	not available
<b>Solubility in water</b>	complete
<b>Relative density</b>	not available
<b>Partition coefficient (n-octanol/water)</b>	not available
<b>Viscosity</b>	not available
<b>Explosive properties</b>	not available
<b>Oxidizing properties</b>	not available

## 10. Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport
<b>Chemical stability</b>	Material is stable under normal conditions
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use
<b>Conditions to avoid</b>	Keep away from heat, hot surface, sparks, open flames
<b>Incompatible materials</b>	Not known
<b>Hazardous decomposition products</b>	No hazardous decomposition products are known

## 11. Toxicological information

<b>Acute dermal</b>	Not determined
<b>Inhalation</b>	Not determined
<b>Oral</b>	Not determined

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation
<b>Serious eye damage/eye irritation</b>	Direct contact with eyes may cause temporary irritation
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization</b>	Not a respiratory sensitizer
<b>Skin sensitization</b>	Not expected to cause skin sensitization
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components are mutagenic or genotoxic
<b>Carcinogenicity</b>	Not classifiable as to carcinogenicity to humans
<b>Aspiration hazards</b>	Not an aspiration hazard

## 12. Ecological information

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous
<b>Persistence and degradability</b>	No data is available on the degradability of any ingredients in the mixture
<b>Bioaccumulative potential</b>	Not expected to bioaccumulate
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	No other adverse environmental effects are expected

## 13. Disposal considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations
<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations. Empty containers may retain some product residues. This material and its container must be disposed of in a safe manner
<b>Contaminated packaging</b>	Follow label warnings even after container is emptied. Never use the empty containers for storing food or water

## 14. Transport information

<b>UN number</b>	Not applicable
<b>UN proper shipping name</b>	Not applicable
<b>Transport Hazard class</b>	Not applicable
<b>Packing group number</b>	Not applicable
<b>Environmental Hazards</b>	Not applicable
<b>Guidance on transport in bulk</b>	Not applicable
<b>Special Precautions</b>	None

## 15. Regulatory information

Generally Recognized As Safe (GRAS)

## 16. Other information, including date of preparation or last version

<b>Issue date</b>	16-10-2024
<b>Version #</b>	01
<b>Disclaimer</b>	The information provided in this Safety Data Sheet is correct to the best of Manufacturer's knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.