

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



Basatop Starter 19+25+5

Version 1
Revision Date 15.10.2008

Print Date 15.10.2008

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Basatop Starter 19+25+5

Use of the Substance/Preparation : Fertiliser

Company : COMPO GmbH & Co. KG
Gildenstraße 38
D-48157 Münster

Telephone : +49-0251/3277-0
Telefax : +49-0251/326225
E-mail address : info@compo.de

Emergency telephone : Central Safety & Environment
Telephone: +49-251-3277-0

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

No particular dangers occur if the regulation/notes for storage and handling are observed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

NPK - fertilizer containing: Ammonium Nitrate, ammonium salts, phosphates, salts of calcium, potassium and possibly magnesium and trace elements.

Hazardous components

Chemical Name	CAS-No.	EINECS-No.	Index-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Ammonium Nitrate	6484-52-2	229-347-8				>= 10,00 - <= 45,00

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Inhalation : Keep patient calm, remove to fresh air, seek medical attention. If danger of loss of consciousness, place patient in recovery position and transport accordingly. Apply artificial respiration if necessary. Immediately inhale corticosteroid dose aerosol (e.g.

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- dexamethasone).
- Skin contact : Wash off with soap and water.
- Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Ingestion : Rinse mouth immediately and then drink plenty of water, seek medical attention.

Notes to physician

- Risks : On inhalation of decomposition products:
Risk of pulmonary oedema.
Symptoms can appear later.
Danger of methaemoglobin formation.
- Treatment : Treat according to symptoms (decontamination, vital functions), treat with toluonium chloride to reverse methaemoglobinanaemia.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water
- Extinguishing media which shall not be used for safety reasons : Foam
Carbon dioxide (CO₂)
ABC powder
Sand
- Specific hazards during fire fighting : At temperatures above 130 °C, dangerous decomposition gases can be emitted:
Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia
- Special protective equipment for fire-fighters : Wear a self-contained breathing apparatus.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Retain and dispose of contaminated wash water.
- Methods for cleaning up : Use mechanical handling equipment.

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7. HANDLING AND STORAGE

Handling

Advice on safe handling : After contact with skin, wash immediately with plenty of water. Wash hands before breaks and at the end of workday.

Advice on protection against fire and explosion : The product is incombustible. It can lower the ignition temperature of combustible substances. Keep away from sources of ignition - No smoking. Keep away from combustible material. Avoid influence of heat. Risk of explosion if heated under confinement. The product is capable of self-sustaining progressive thermal decomposition.

Storage

Requirements for storage areas and containers : When stored loose do not mix with other fertilizers. Store well away from other substances.

Further information on storage conditions : Keep away from direct sunlight. Protect against heat. Protect against contamination. Protect against humidity (product is hygroscopic and tends to cake or disintegrate)

German storage class : Oxidising Solids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : If breathable dust is formed: Dust mask.

Hygiene measures : At the end of the shift the skin should be cleaned and skin-care agents applied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : granular

Colour : various, depending on the colorant

Odour : almost odourless

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pH	:	ca.5 at 100 g/l (20 °C)
Bulk density	:	ca.1.100 kg/m ³
Water solubility	:	mainly soluble

10. STABILITY AND REACTIVITY

Materials to avoid	:	Sulphur, chlorites, chloride, chlorates, Hypochlorites, acid or alkaline reacting substances, flammable oxidizable substances, nitrites, metallic salts, metallic powder, herbicide, chlorinated hydrocarbons, organic compounds.
Hazardous decomposition products	:	Nitrogen monoxide, nitrogen dioxide, dinitrogenoxide, ammonia
Thermal decomposition	:	ca.130 °C The product is capable of self-sustaining progressive thermal decomposition. To avoid thermal decomposition, do not overheat.
Hazardous reactions	:	Evolution of ammonia under influence of alkalis.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: > 2.000 mg/kg
Skin irritation	:	rabbit Result: non-irritant Method: OECD Test Guideline 404
Eye irritation	:	rabbit Result: non-irritant Method: OECD Test Guideline 405
Further information	:	The product was not tested. The statement was derived from products of similar structure and composition.
Further information	:	Danger of methaemoglobin formation.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish	:	static test LC50
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	Species: Cyprinus sp. Dose: 422 mg/l Exposure time: 48 h
aquatic invertebrates	: static test EC50 Species: Daphnia Dose: 555 mg/l Exposure time: 48 h
Toxicity to algae	: other No observed effect concentration Species: green algae Dose: 83 mg/l Exposure time: 168 h Method: no data available
Toxicity to bacteria	: other EC20 Species: activated sludge Dose: ca. 850 mg/l Exposure time: 0,5 h Method: no data available Remarks: Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.
Additional ecological information	: There is a high probability that the product is acute not harmful to aquatic organisms. Additional ecological information The product has not been tested. The information is derived from the properties of the individual components. At higher pH values, which can be found in natural surface waters, an increase of toxic effects on aquatic organisms may be expected.

13. DISPOSAL CONSIDERATIONS

Product	: Test for use in agriculture. Contact manufacturer.
Contaminated packaging	: Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.
Waste key for the unused product	: 02 01 09: Wastes of chemicals for the agriculture excepted of those, which are listed under 02 01 08

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14. TRANSPORT INFORMATION

▪ **ADR:**

Remarks: No dangerous product according to the rules for road transport

▪ **RID:**

Remarks: No dangerous product according to the rules of rail transport

Inland waterway transport

▪ **ADNR:**

UN-Number: 2071
Class: 9
Packaging group: III
Description of the goods: AMMONIUMNITRATE FERTILIZERS, TYPE B

Sea transport

▪ **IMDG:**

Class: 9
Packaging group: III
UN-Number: 2071
EmS: F-H S-Q
Marine pollutant: no
Description of the goods: AMMONIUMNITRATE FERTILIZERS, TYPE B

Air transport

▪ **IATA-DGR:**

Class: 9
Packaging group: III
UN-Number: 2071
Description of the goods: AMMONIUMNITRATE FERTILIZERS, TYPE B

15. REGULATORY INFORMATION

Labelling according to EC Directives

The product does not require a hazard warning label in accordance with EC Directives.

Other regulations : TRGS 511 'Ammonium nitrate'

16. OTHER INFORMATION

Further information

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