



## Basatop Fair (23+6+10)

Version 1  
Revision Date 18.10.2006

Print Date 18.10.2006

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

#### Product information

Trade name : Basatop Fair (23+6+10)

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

Company : COMPO Austria GmbH  
Hietzinger Hauptstraße 119  
A-1131 Wien

Telephone : +43-18766393-0  
Telefax : +43-18766393-116

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

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### Chemical nature

NPK - fertilizer containing: Ammonium Nitrate, Carbamid nitrogen, 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 - <= 70,00 |

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

### 3. HAZARDS IDENTIFICATION

#### Risk advice to man and the environment

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



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### 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. 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 must not be used for safety reasons : foam  
carbon dioxide (CO<sub>2</sub>)  
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.



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Methods for cleaning up : Retain and dispose of contaminated wash water.  
: Use mechanical handling equipment.

### 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 : 5.1C

### 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

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Odour : almost odourless

**Safety data**pH : approx.5  
at 100 g/l (20 °C)Bulk density : approx.1.100 kg/m<sup>3</sup>

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 : approx.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/kgSkin irritation : rabbit  
Result: non-irritant  
Method: OECD Test Guideline 404Eye 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.



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### 12. ECOLOGICAL INFORMATION

#### Ecotoxicity effects

- Toxicity to fish : static test LC50  
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:
- Toxicity to bacteria : other EC20  
Species: activated sludge  
Dose: approx. 850 mg/l  
Exposure time: 0,5 h  
Method:  
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-No: 2071  
Class: 9  
Packaging group: III  
Description of the goods: AMMONIUMNITRATE FERTILIZERS, TYPE B

#### Sea transport

▪ *IMDG:*

Class: 9  
Packaging group: III  
UN-No: 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-No: 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.

#### National legislation

Further information : German "Hazardous Substances" legislation (Gefahrstoffverordnung) appendix III, No. 6 (Ammonium Nitrate group B)

Water contaminating class : WGK 1 slightly water endangering (Germany)



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Other regulations : TRGS 511 'Ammonium nitrate'

### 16. OTHER INFORMATION

#### Further information

The information provided in this Safety Data Sheet is correct to the best of our 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 is not 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.