



Basacote LR 12M (15+8+13S+2+TE)

Version 1
Revision Date 04/05/2005

Print Date 04/05/2005

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

Product information

Trade name : Basacote LR 12M (15+8+13S+2+TE)

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

Emergency telephone number : BASF works fire brigade Ludwigshafen
Telephone: 0621-60-43333

2. 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 - <= 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.

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.



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- 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 (CO₂)
ABC powder
sand
- Specific hazards during fire fighting : At temperatures above 130 °C, dangerous decomposition gases can be emitted:
Nitrogen monoxide, nitrogen dioxide, dinitrogen oxide, ammonia, chloride, hydrogen chloride.
- 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.

7. HANDLING AND STORAGE

Handling

- Advice on protection against fire and explosion : The product is incombustible. It can lower the ignition temperature of combustible substances.

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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
- Odour : almost odourless

Safety data

- pH : approx.5
at 100 g/l (20 °C)
- Bulk density : approx.1.100 kg/m³
- Water solubility : mainly soluble



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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, dinitrogen oxide, ammonia, chloride, hydrogen chloride.
- 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/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
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



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	Species: green algae Dose: 83 mg/l Exposure time: 168 h
Toxicity to bacteria	: other EC20 Species: activated sludge Dose: approx. 850 mg/l Exposure time: 0,5 h 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. information on: Ammonium Nitrate

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

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

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Sea transport▪ *IMDG:*

Class: 9
Packaging group: III
UN-No: 2071
EmS: 5.1-06
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 (Germany) : WGK 1 slightly water endangering

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.