

# FERTILIZANTES GOMBAU SL

## PRODUCT SAFETY DATA SHEET

### NITROSOLFO 32.

#### SAFETY DATA:

- 01.- Product identification
- 02.- Hazards identification
- 03.- Composition / Information on the components
- 04.- First aid
- 05.- Fire-fighting measures
- 06.- Measures to be taken in case of accidental spillage
- 07.- Handling and storage
- 08.- Exposure control / personal protection
09. Physical and chemical properties
- 10.- Stability and reactivity
- 11.- Toxicological information
- 12.- Ecological information
- 13.- Disposal considerations
- 14.- Transport information
- 15.- Regulatory information
- 16.- Other information

#### 1.- PRODUCT IDENTIFICATION:

1) Identification of the substance/preparation: EC fertiliser.

1.1 TRADE NAME: NITROSOLFO 32.

2) Manufacturer/distributor information (EMERGENCIES)

Fertilizantes Gombau SL

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#### 2.- HAZARDS IDENTIFICATION:

2.1. Hazards to humans: According to available information, the product is not hazardous to humans.

2.2. Environmental hazards: Due to its zero organic carbon content the preparation cannot significantly modify the TOC value of waste water.

## PRODUCT SAFETY DATA SHEET

### NITROSOLFO 32.

#### 3.- COMPOSITION / INFORMATION ON THE COMPONENTS:

CHEMICAL NAME: NITROSOLFO 32 .

Product	CAS	Weight %
NITROSOLFO 42		54.00
UBESOL 45 CE FERTILISER	7783-20-2	46.00

#### 4.- FIRST AID:

- 4.1. Symptoms and effects (additional information since not classified as hazardous):
- 4.1.1. Skin contact: Prolonged contact may cause dermatitis and irritation.
  - 4.1.2. Eye contact: May cause irritation.
  - 4.1.3. Ingestion: May cause irritation and inflammation of mouth, throat and stomach.
  - 4.1.4. Inhalation: Continued exposure to dust may cause lacrimation and respiratory tract irritation.
- 4.2. Action to be taken (provide immediate medical assistance):
- 4.2.1. Skin contact: Wash with soap and warm water (if possible under emergency shower). Remove contaminated clothing.
  - 4.2.2. Eye contact: Immediately rinse eyes with plenty of water (if possible with emergency shower). Consult an ophthalmologist.
  - 4.2.3. Ingestion: If the person is conscious, induce vomiting and it is advisable to drink water. If necessary contact the National Poison Information Centre.
  - 4.2.4. Inhalation: Remove the affected person from the area contaminated with dusts and vapours, give oxygen and consult a doctor.

#### 5.- FIRE-FIGHTING MEASURES:

- 5.1. Suitable extinguishing agents: (non-flammable product), water direct to source.
- 5.2. Extinguishing agents not to be used: Inoperative water spray.
- 5.3. Emission of combustion gases: If the fire occurs in an enclosed room, use self-contained breathing equipment as toxic gases may be emitted and the combustion of organic matter may be maintained.
- 5.4. Special protective equipment for fire-fighting personnel: Fire-fighting personnel must wear the normal protective equipment: waterproof jacket, boots, gloves, helmet with protective screen and self-contained breathing equipment.

## PRODUCT SAFETY DATA SHEET

### NITROSOLFO 32.

#### 6.- MEASURES TO BE TAKEN IN CASE OF ACCIDENTAL SPILLAGE:

6.1. Precautionary measures regarding persons:

Use the personal protective equipment as indicated in sections 5 and 8.

6.2. Environmental protection measures:

In case of spillage, prevent spilled dust from reaching watercourses and sewers.

6.3. Cleaning methods:

In case of spillage, collect as a solid using shovels or mechanical methods.

#### 7.- HANDLING AND STORAGE (R.D. 374/2001):

7.1. Handling:

Avoid contact with eyes and skin, wear gloves and safety goggles to avoid splashes. Do not breathe dust, ensure adequate ventilation and P2 particulate filter.

CAUTION: small splashes can make the surface slippery.

7.2. Storage:

Avoid humidity changes (it is hygroscopic) and heat sources. Do not mix with oxidants, acids or bases. They must be separated by at least 5 metres and by a concrete wall.

(Nomenclature heading 1331).

#### 8.- EXPOSURE CONTROL / PERSONAL PROTECTION:

8.1. Recommended exposure control equipment:

See sections 7 and 8.4.

8.2. Control parameters: N.A.

8.3. Monitoring and/or analysis procedure:

An air pump is used for sampling, passing the sample (bubbling) through distilled water, which is then titrated with an appropriate analytical method.

Instantaneous response colourimetric tubes are also used, as well as individual absorption-acting meters.

8.4. Recommended personal protection (R.D. 1407/1992):

8.4.1. Respiratory protection: If dust concentration reaches TLV value, use gas mask with self-contained breathing equipment, otherwise use P2 filter. Ensure ventilation to avoid reaching the TLV value in the work area.

8.4.2. Hand protection: Wear rubber gloves.

8.4.3. Eye protection: Wear safety goggles with dust protection.

8.4.4. Skin protection: Wear full protective clothing.

## PRODUCT SAFETY DATA SHEET

### NITROSOLFO 32.

#### 9.- PHYSICAL AND CHEMICAL PROPERTIES:

- 9.1. Appearance: Solid pellets or beads.
- 9.2. Odour: Odourless.
- 9.3. pH (10 % solution): N. D.
- 9.4. Decomposition point/ range: 130 °C.
- 9.5. Melting point/ range: N. D.
- 9.6. Flashpoint: N. D.
- 9.7. Flammability (solid, gas): Non-flammable.
- 9.8. Self-flammability: Non-flammable.
- 9.9. Explosion hazard: N. D.
  - 9.9.1. Minimum ignition temperature of dust: N. A.
  - 9.9.2. Minimum explosive concentration in air: N. A.
  - 9.9.3. Minimum energy required for ignition: N.A.
- 9.10. Oxidising properties: None.
- 9.11. Vapour pressure: Minimal at room temperature.
- 9.12. Density: 1,100 +/- 0,050 gr/cm<sup>3</sup>
- 9.13. Solubility-Hydrosolubility: Soluble in water.
- 9.14. Lipid solubility (oil solvent): N. D.
- 9.15. Partition coefficient n-octanol/water: N. D.

#### 10. STABILITY AND REACTIVITY:

- 10.1. Stability: The product is chemically stable at room temperature and is not subject to hazardous reactions.
- 10.2. Conditions to avoid: Variations in humidity. Store in dry rooms.
- 10.3. Substances to avoid: Strong acids and bases, oxidising agents.
- 10.4. Hazardous decomposition products: By thermal decomposition (at T<sup>a</sup> > 130°C), it releases toxic gases such as Nitrogen Oxides (NOx). Does not polymerise.

#### 11. TOXICOLOGICAL INFORMATION:

- 11.1. Hazardous health effects: There are no known cumulative effects from regular use of the product.
- 11.2. Acute oral toxicity LD 50 rat: N.D.
- 11.3. Acute dermal toxicity LD 50 rabbit: N.D.
- 11.4. Acute inhalation toxicity LC 50 rat: N.D.
- 11.5. Sensitisation: In case of regular prolonged skin contact may cause sensitisation.
- 11.6. Carcinogenesis: No substantiated data.
- 11.7. Mutagenesis: No substantiated data.
- 11.8. Reproductive toxicity: N.D.
- 11.9. Narcosis: N.D.
- 11.10. Other information: N.A.

## PRODUCT SAFETY DATA SHEET

### NITROSOLFO 32.

#### 12. ECOLOGICAL INFORMATION:

- 12.1. Behaviour of the substance in the environment (Ecotoxicity): Susceptible to negative, but reversible behaviour on flora, fauna and water potability.
- 12.2. Mobility: Very soluble in water.
- 12.3. Persistence and degradability: Biodegradable.
- 12.4. Bioaccumulative potential: N.D.
- 12.5 Aquatic toxicity: N.D.
- 12.6. Other information: N.A.

#### 13. DISPOSAL CONSIDERATIONS:

- 13.1. Disposal of the product: If there is a need to dispose of any quantity of product, it is advisable to use it as fertiliser, or to proceed in accordance with current legislation (authorised landfill sites).
- 13.2. Disposal of used packaging: Empty packaging, if not reused, must be handed over to an authorised waste treatment company in accordance with current legislation.
- 13.3. Waste disposal: The product must be disposed of in accordance with local or national regulations for industrial waste disposal.

#### 14. TRANSPORT INFORMATION:

- 14.1. Transport labelling: N.A.
- 14.2. Identification of the substance: Not required.
- 14.3. RID/ADR: N.A.
- 14.4. IMDG: N.A.
- 14.5. CAD/IATA: N.A.
- 14.6. Other information: The product is not subject to any transport regulations.

#### 15. REGULATORY INFORMATION:

- 15.1. CEE No.: N.A.
- 15.2. Hazard symbol of the product: N.A.
- 15.3. Toxic: NO
- 15.4. R- and S-phrases: S: 2-13-26-27 and 37/39

## PRODUCT SAFETY DATA SHEET

### NITROSOLFO 32.

#### 16. OTHER INFORMATION:

S2: Keep out of the reach of children.

S13: Keep away from food, drink and animal feed.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S27: Immediately remove all soiled or splashed clothing.

S37/39: Wear suitable clothing and eye/face protection.

N.A. = Not applicable.

N.D. = Not defined.

This information is also provided for the purposes of Law 31/1995 of 8 November 1995, B.O.E. 10-11-95 and Directive 89/391 EEC on Workplace Health and Safety and in accordance with Directives: 91/155/CEE; 1999/45/EC; 2001/58/CEE; and R.D: 374/2001; 99/2003 and 255/2003. And according to EC Regulation 1907/2006 REACH of 18 December.

The information contained in this document is based on our experience and technical knowledge. Each user shall be responsible for the use made of the product and the technical information that supports it, and shall verify that the product is suitable for the proposed application by carrying out appropriate tests.

Except in legally regulated situations, no liability can be accepted for damage or loss arising directly or indirectly from the use of this product, nor is it guaranteed to be free from patent or third party interference.