

## CERBERO 20-20-20

According to REG. (CE) 1907/2006

### 1. Identification of the substance/preparation and Company

#### Identification of the preparation:

Product name:	Cerbero 20-20-20
Law name:	Mineral fertilizer NPK
CAS number:	-
EC number:	-

#### Use of preparation:

Fertiliser for agriculture

#### Company identification:

ITALPOLLINA SPA – Loc. Casalmenini – 37010 Rivoli Veronese (VR) Italy – tel. 045/6205511 – fax 04576205555 – mail: info@italpollina.it

#### e-mail address of person responsible for SDS

schede.sicurezza@italpollina.it

#### Emergency telephone number:

(+39) 045 620 55 13 – or contact the nearest Poison Centre.

### 2. Identification of hazards

Within the current knowledge of the supplier and in the concentrations recommended by the Company, the product is not hazardous to human health or to the environment.

If large quantities of this fertilizer are eaten, heavy disease can appear: vomit, diarrhoea, stomach-ache, convulsion, etc... The dust of product can irritate eyes, skin and respiratory organs.

For more informations about product effects on human health read section 11.

### 3. Composition/information about ingredients

The product is a preparation. Stable mixture of inorganic salts and mineral fertilizers. It also contains Potassium Nitrate.

Chemical name	CAS. N°	%	Classification
Potassium Nitrate	7757-79-1	< 25%	O R8
O = Oxidising - R8 = Contact with combustible material may cause fire			

Within the current knowledge of the supplier, other ingredients dangerous to human health or environment are not present.

## 4. First-aid measures

**Inhalation:** don't breath the dust. If inhaled, remove to fresh air. In the case of respiratory problems, ask medical personnel.

**Ingestion:** in case great quantities of fertiliser were ingested, call a doctor immediately. Don't induce vomit unless directed by medical personnel. Don't give anything by mouth to an unconscious man.

**Skin contact:** avoid longed or repeated contact with skin. After handling, always wash hands using water and soap. In case of irritation, ask medical personnel.

**Eye contact:** in case of contact with eyes, wash immediately with plenty of water. In case of irritation or other problems, ask medical personnel.

## 5. Fire-fighting measures

**Extinguishing media:** in case of fire, use water in great quantities. Do not use chemical extinguisher or foam.

**Hazardous thermal decomposition products:** in case of fire don't breath dust or vapours coming from combustion material. Dangerous decomposition products are nitrogen oxides, phosphorous oxides and metal oxides.

**Protective equipment:** fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus.

## 6. Measures for accidental release

**Environmental precautions:** avoid contamination of river and sewerage. Inform Authority in case of river contamination. Avoid product dispersion by rain or wind.

**Precautions for personnel:** if necessary, use appropriate protective equipment. Avoid contamination with released material. Don't breath the dust. Send out personnel not necessary to the clean up.

**Clean up methods:** scoop up solid material released and put it into an appropriate labelled waste container. Don't mix with sawdust or other combustible material. Avoid creating wind dispersal of dust.

## 7. Handling and storage

**Handling:** do not create dusty conditions and avoid wind dispersal. Avoid all possible sources of ignition (ex. flame). Avoid contamination by others materials (metals, organic materials, ecc.). Use appropriate protective equipment during the handling.

**Storage:** store away from rain, heat, sparks, flame or any other ignition source. Avoid contact with combustible materials. Prevent high moisture in handling and storage.

Keep clean and ventilated the storage rooms. Keep away from kinds and animals.

## 8. Personal protection and Exposure controls

**Occupational exposure limits (ACGIH 2003):** Total inhalable dust - 10 mg/m<sup>3</sup>  
Respirable dust - 3 mg/m<sup>3</sup>

**Technical precautionary actions:** avoid dust formation and favour a good ventilation, where necessary.

### CONTROLS OF EXPOSURE

**Respiratory protection:** if necessary, use a properly fitted, air-purifying or air-fed respirator complying with an approved standard.

**Eyes protection:** in case of high concentration of dust in the air, use dust goggles.

**Skin protection:** to avoid the contact between the product and the skin, use personal protective equipment for hands and body.

**Hands protection :** if necessary, use chemical-resistant gloves (approved standard).

## 9. Chemical and physical properties

### APPEARANCE

**Physical state:** ..... solid

**Colour:** ..... white

**Odour:** ..... odourless

### IMPORTANT DATA TO SAFETY

**pH (10%):** ..... 5-5,5

**Boiling point:** ..... > 150 °C

**Esplosive properties:** ..... No

**Solubility:** ..... soluble in water

**% Nitrogen (N):** ..... 20%

## 10. Stability and reactivity

**Stability:** the product is stable under recommended storage and handling conditions.

**Hazardous decomposition products:** nitrogen oxides, phosphorous oxides, and metallic oxides.

**Materials to avoid:** acids, alkalis, organic and combustible materials.

**Conditions to avoid:** flame or any other ignition source, high moisture.

## 11. Toxicological information

**Dangerous effects on human health:** within the current knowledge of the supplier and in the concentrations recommended by company, the product is not hazardous to human health or to the environment.

Even though the product is not classified as dangerous, it could cause eye and skin irritation. If large quantities of this fertilizer are eaten, heavy disease can appear: vomit, diarrhoea, stomach-ache, convulsion, etc. The dust of product can irritate eyes, skin and respiratory organs.

About Potassium nitrate contained in the product:

Potassium nitrate: DL50 Oral Rat = 3750 mg/kg

At the moment, are not known significant effects about: carcinogenicity, mutagenicity, teratogenicity, negative fertility effects, or other dangerous effects on human health.

## 12. Ecological informations

The product is not dangerous to the environment if used as recommended by the supplier.

The product is very soluble in water.

Biodegradability: YES

Bioaccumulation: NO

## 13. Disposal considerations

Within the present knowledge of the Company, the product is not considered as hazardous waste. Dispose the product and his packaging according with all applicable local and national laws.

## 14. Informations about transport

About transport, the product is not classified as hazardous material according to UN Orange Book. International transport codes (ADR, RID, IMDG, ADN) are not necessary.

## 15. Regulatory informations

The product is not classified according to EU legislation. Risk phrases: NO

Safety data sheet according to REG. CE 1907/2006.

European Law on fertilizers: REG. CE 2003/2003.

## 16. Other informations

Note: -

Safety data sheet by: ITALPOLLINA SPA – Loc. Casalmenini – 37010 Rivoli Veronese (VR) - I.  
Version 1.0

Date of issue: 20/04/2008

Date of previous issue: none

### **IMPORTANT NOTICE:**

The data and informations contained in this safety data sheet are based on our knowledge at the date of issue. The informations of this SDS concern only aspects about use, handling and storage of the product. The supplier does not assume any liability whatsoever for the accuracy or completeness of the information contained in this sheet. Final determination and use of suitability of product is completely responsibility of the user. All chemical products may present unknown hazards and must be used with caution. The supplier does not guarantee that the hazards described in this safety data sheet are the only hazards that exist for this product. The supplier does not guarantee that this SDS contains all possible safety measures; in particular conditions, infact, may be necessary added some measures.