

## MATERIAL SAFETY DATA SHEET

According to European directive 2001 / 58 / EC

Product: **EFFERBAKTOL 2 - 5 - 10 granulés**

Version n°01 of 09/08/2005

### 1 – Product and company identification

Trade name : **EFFERBAKTOL 2 - 5 - 10 granulés**

Supplier : MARTIN VIALATTE Company- 79 AV. A.A. Thévenet - BP 1031 - 51319 MAGENTA

Tel. +33 (0)3 26 51 56 45 - Fax. +33 (0)3 26 51 87 60

Emergency telephone number : ORFILA +33 (0)1 45 42 59 59

### 2 – Chemical composition/ Information on components

Potassium metabisulphite

K2S2 O5

PM : 222,33

N° CAS : 16731-55-8

### 3 – Hazards identification

Irritating product

# MATERIAL SAFETY DATA SHEET

Product: **EFFERBAKTOL 2 - 5 - 10 granulés**

Version n°01 of 09/08/2005

## 4 – First aid measures

Remove contaminated clothes

In case of skin contact : Flush with large amounts of water and wash with soap

In case of eye contact : Rinse thoroughly with water during 15 minutes, keeping eyelids wide open. Get medical attention

In case of ingestion : Give large amounts of water

In case of ingestion or faintness due to dust inhalation: remove to fresh air, get medical attention immediately.

## 5 – Fire fighting measures

Use water extinguishers ;

## 6 – Accidental release measures

Sweep up product or recover spilled product with vacuum pump.

Transfer product to chemicals reprocessing centre.

## 7 – Handling and storage

Handling : Wear gloves, glasses and anti-dust mask.

Storage : Store in a cool and dry place

Avoid any contact with acids or oxidizing agents.

## 8 – Exposure control/Personal protection

Respiratory protection : wear an anti-dust protective mask.

Eye protection : wear safety glasses

Hand protection : wear protective gloves if risk of contact

**MATERIAL SAFETY DATA SHEET****Product: EFFERBAKTOL 2 - 5 - 10 granulés**

Version n°01 of 09/08/2005

**9 – Physical and chemical properties**

Appearance	: White granules
Odour	: pungent SO <sub>2</sub> odour
Decomposition temperature	: 150° C
Solubility in water at 20°C	: 335 g/l
pH (solution at 20 %)	: 6,3 ± 0,5
Voluminal mass	: 1100 to 1200 kg/m <sup>3</sup>

**10 – Stability and reactivity**

Material to avoid	: - oxidants - acids
Hazardous reactions	: Decomposes at high temperature releasing sulphurous anhydride (SO <sub>2</sub> ) Reacts strongly with acids and oxidizing agents with SO <sub>2</sub> release.

**11 – Toxicological information**

LD 50 oral (rat)	: 2300 mg/kg
Primary skin irritation	: not irritating
Primary mucous membranes irritation	: irritating

A frequent or prolonged contact may cause skin or eye irritation.

**12 – Ecological information**

Prevent the product from getting in waters without being first treated.

As it is a mineral product, elimination test is not applicable.

Mineral product. Can provoke oxygen consumption in biological waste water treatment plants.

The appropriate introduction in an adapted biological waste water treatment plant does not disturb the biological cycle of activated sludges. In acid medium, sulphurous anhydride is released.

Respect local regulations for waste water treatment.

Chemical demand in oxygen : 140 mg/g

High toxicity towards fishes: I<sub>c</sub> (= maximum concentration tested with no mortality) : 220 – 460 mg/l/96 H.

# MATERIAL SAFETY DATA SHEET

**Product: EFFERBAKTOL 2 - 5 - 10 granulés**

Version n°01 of 09/08/2005

## 13 – Disposal considerations

Transfer product to chemicals reprocessing centre.

## 14 – Transport information

Rail/road (RID/ADR )

Maritime route (IMDG )

Air route (IATA )

## 15 – Regulatory information

This product is subject to the EC regulation concerning labelling for chemicals.

Hazards indication : Xi irritating

Hazards symbol : Saint Andrew's cross

"R" phrases : - R31 : contact with acids liberates toxic gas.

- R 36/37 : Irritating to eyes and respiratory system.

Safety precaution phrases : - S 26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

## 16 – Other information

« This sheet completes the technical utilisation manual but does not replace it. The information contained within is based on the level of our knowledge relative to the product at the date indicated. It is given in good faith. The attention of the users is above all drawn to the eventual risks taken for the products usage in situations other than that for which it was conceived.

In no situation should the user disregard the precautions outlined for the products use. The user assumes the sole responsibility for following the precautions listed in regards to their utilisation of the product ».