

# MATERIAL SAFETY DATA SHEET

According to the european directive 2001 / 58 / CE

Product : **SULFOSPRAY**

Version n°02 of 02/07/04

## 1 – Product and compagny identification

Commercial designation : **SULFOSPRAY**

Society : **S. A. S. SOFRALAB**  
**STATION OENOTECHNIQUE DE CHAMPAGNE**  
**MARTIN VIALATTE**  
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## 2 – Composition / information on the components

Sulphurous anhydride or sulphur dioxide sulphide

SO<sub>2</sub> PM : 64 g

CAS number : 7440-09-5

EEC number : 231-195-2

## 3 - Hazards Information

Health risks : Liquefied gas toxic by inhalation. The concentrated product is corrosive for the eyes, respiratory tracks and skin.

Environmental risks : The product dissolved in water can cause a high pH variation that can be harmful to the living organisms.

Chemical risks : Non-flammable product. The exposure to high temperatures can cause the container to explode.

## 4 - First aid measures

Ingestion : Not probable

Inhalation : Take the victim to a non-contaminated area. Seek medical help.  
If the victim does not breath anymore, use resuscitation.

Skin contact : Take off the contaminated clothes, wash the affected areas for 15 minutes. Seek medical help.

Eye contact : Flush immediately with water for at least 15 minutes. Seek medical help.

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**5 - Fire fighting measures**

Extinguishing media : Any

Wear an acid gas protection mask. Stop the gas emission if possible.

Cool the containers down with water to avoid the risk of explosion in case of a temperature increase.

**6 - Accidental release measures**

Air the room. Wash with plenty of water.

Individual protection : Use an acid gas protection mask.

Environment protection : Neutralise gas emanations by dissolving with nebulised water.

**7 - Handling and storage**

Handling : Wear gloves and goggles and handle under an aspirating hood or in an airy room.

Storage : Store in an airy place.

Maintain at a temperature below 50°C.

**8 - Personal protection**Respiratory tracks protection : Wear a mask with cartridge retaining SO<sub>2</sub>.

Eye protection : Wear goggles. Do not wear contact lenses.

Hand protection : Wear gloves.

Exposure limit : TLV - TWA : 2 ppm (ACGIH : 1993 - 94)

TLV - STEC : 5 ppm (ACGIH : 1993 - 94)

**9 - Physical and chemical properties**

Appearance : Gas

Odour : SO<sub>2</sub> odour

Fusion temperature : -75,5°C

Boiling temperature : -10°C

Critical temperature : 158°C

Solubility : miscible in water in any proportion

Relative density (with regard to the air) : 2,3

Vapour tension at 20°C : 3,3 bars

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**10 - Stability and reactivity**

Reacts with water forming a corrosive acid. Can react violently with bases.

Reacts with most metals in a humid environment releasing hydrogen (extremely flammable gas).

**11 – Toxicological information**

Toxicity : LC 50/1 h : 2520 ppm  
IDLH : 100 ppm

Inhalation : Corrosive for the respiratory system, possibility of respiratory oedema

Skin and eye contact : Corrosive

**12 - Ecological information**

Can cause a pH variation in water.

**13 – Disposal procedures**

Avoid releasing the product in the atmosphere by vaporising a slightly alkaline solution in a controlled environment to avoid violent reactions.

**14 - Transport information**

RID/ADR : Class 2 3° AT

Hazard identification number : 26

Material identification number : 1079

IMO : Class 2 subdivision 2.3

IDMG : 2179

UN : 1079

IATA : Class 2 subdivision 6.1

Label : 6.1 + 8 + UN 1079

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**15 - Regulatory information**

This product is subject to the European labelling regulation for dangerous chemicals.

Hazard symbol	: T	: Toxic
Risks	: R23 R34	: Toxic by inhalation. : Causes burns.
Caution advice	: S9 S26 S36/37/39 S45	: Keep container in a well-ventilated place. : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. : Wear suitable protective clothing, gloves and eye/face protection. : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

**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 ".