

SAFETY DATA SHEET

According to R(EC) n°1907/2006 modified by R(UE) n°453/2010

Disques - Mèches de soufre

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

1.1. Identification of the substance / preparation

Disques/Mèches de soufre

1.2. Uses of the substance / preparation

Inerting of wines stored in tanks (see technical sheet)

1.3. Supplier

LA LITTORALE SAS
Z.A.E. La Baume - 34290 Servian - France
Tél : +33 (0)4 67 39 29 70 - Fax : +33 (0)4 67 39 17 60
Email : littorale@littorale.com

1.4. Emergency phone number

ORFILA (France) : +33 (0)1 45 42 59 59
Emergency assistance (France) : 112

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance / preparation according to regulation (EC) N° 1272/2008

- May cause skin irritation: Skin Irrit. - Attention - Category 2 - H315

2.2. Labelling according to regulation (EC) N° 1272/2008

- Hazard symbol :



- Advertisement : Attention
- Risk sentences : H315: Causes skin irritation.
- Instruction sentences : P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
P332 + 313: If skin irritation occurs: Get medical advice/attention.

2.3. Other hazards

Combustible products with production of toxic gases (H₂S, SO₂).

3. COMPOSITION/INFORMATION SUR LES COMPOSANTS

3.1. Substance / Preparation

Solid sulfur in pellet or wick (impregnation of cellulose tissue).

Substance	N° CAS	N° EINECS	Classification according to R(CE) N° 1272/2008	Content
Sulfur	7704-34-9	231-722-6	Eye Irrit. 2, H315 (*)	> 90%

(*) risk sentences: see section 16

4. FIRST AID MEASURES

4.1. Description

- General information : Never give anything by mouth to an unconscious person.
- In case of eye contact : Rinse immediately thoroughly with plenty of water with eyelid held wide open. Consult a doctor.
- In case of skin contact : Remove contaminated clothing. Wash off with water and soap immediately. If irritation persists, consult a doctor
- In case of ingestion : Wash out mouth with water. Consult a doctor.
- In case of inhalation : Remove to fresh air. Call a doctor in case of respiratory trouble.

4.2. Most important symptoms and acute and delayed effects

No data available.

4.3. Indication of immediate medical attention and special treatment

No data available.

5. FIRE FIGHTING MEASURES

5.1. Suitable extinguishing media

- Use carbon dioxide, dry chemical, or water spray.
- Co-ordinate fire-fighting measures to ambient fire.

5.2. Particular risks due to the substance / preparation

- Combustible products with production of toxic gases (H₂S, SO₂).
- May form explosive dust with air.

5.3. Protection of fire-fighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear appropriate protective equipment for fire fighting, including self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

6.1. Health and safety precautions

- Evacuate the contaminated area.
- Avoid dust formation. Keep away from sources of ignition.
- Wear gloves and protective clothing with self-contained breathing apparatus (see section 8).

6.2. Measures for environmental protection

- Avoid discharge into sewerage system or natural environment.

6.3. Measures of cleaning and collecting

- Collect spilled material in appropriate container by a mechanical method that avoids dust generation. Rinse thoroughly the residue on the floor with plenty of water.

6.4. Additional information

- See section 13.

7. HANDLING AND STORAGE

7.1. Handling precautions

- Insure good ventilation of working area.
- Avoid dust formation.
- Avoid contact with eyes and skin.
- Wash hands before and after handling.
- Wear protective equipment (see section 8).

7.2. Storage precautions

- Keep away from strong oxidizers
- Store containers tightly sealed in a cool, dry and well ventilated.

7.3. Specific use(s)

- See technical sheet.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Exposure limit

Exposure value limit: no data available.

8.2. Exposure controls

8.2.1. General protection measures

Insure good ventilation of working area. Avoid dust formation.

Avoid contact with eyes and skin.

Wash hands before and after handling.

Do not smoke, drink or eat during handling.

8.2.2. Personal protective equipment



Respiratory protection : Wear protective mask if dust formation.



Hands protection : Wear protective gloves (rubber, PVC or neoprene).



Eyes protection : Wear safety goggles (EN166).



Body protection : Protective clothing is recommended.

8.2.2. Environmental exposure controls

No special measures required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on essential physical and chemical properties

Appearance	: Yellow pellet or wick
Odor	: sulfur
Bulk density	: 2,060
Flash Point	: 207 ° C
Auto-ignition	: 261 ° C
Distillation T°C	: 445 ° C
Risk of explosion	: Explosive dust-air mixture
Solubility	: Insoluble in water

9.2. Other information

No data available.

10. STABILITY ET REACTIVITE

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Explosive dust.

May form explosive mixtures with oxidants.

10.4. Conditions to avoid

Store at < 40°C. Keep away from ignition source.

Avoid dust formation.

10.5. Incompatible materials

Keep away from strong oxidizers.

10.6. Hazardous decomposition products

Combustion with production of toxic gases (H₂S, SO₂).

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

- Acute toxicity : LD50 (oral, rat) > 5000 mg/kg.
LC50 (inhalation, rat, 4h) > 9,23 mg/l
LD50 (skin, rat) > 2000 mg/kg
- Corrosion/Irritation : Irritant for eyes, respiratory tracts and skin.
- Respiratory or skin sensitization : Data not available.
- Mutagenicity / Carcinogenicity : Data not available.
- Reproductive toxicity : Data not available.
- Other data : Combustion products (H₂S, SO₂) are toxic by inhalation.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Fishes : EC50/96h/Brachydanio rerio = 866 mg/l
Shellfishes : EC50/24h/Daphnia magna > 10.000 mg/l

12.2. Persistence and degradability

Sulfur degrades in the ground but does not degrade in water.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility

No data available.

12.5. Results of PBT and vPvB assessment

Not concerned.

12.6. General information

Avoid discharge into sewerage system or natural environment.

13. DISPOSAL CONSIDERATIONS

13.1. Disposal procedures

Dispose of waste (product and contaminated packaging) according to applicable local and European regulations.

13.2. Additional information

Do not reuse, abandon or burn empty containers.

14. TRANSPORT INFORMATION

14.1. No UN

UN1350

14.2. UN shipping name

ADR : 1350 - SOUFRE
IMDG : SULFUR
IATA : SULFUR

14.3. Hazard class(es) for transport

ADR/RID (Rail/Road)

Class : 4.1.
Danger code : 40
Hazard label :



4.1 (flammable solid)

Exemption : Solid sulfur is not subject to the requirements of ADR (Provision 242, chapter 3.3, ADR 2013 - Vol. II.) when presented in a particular form (eg. pearls, granules, pellets or flakes).

IMDG (Sea)

Class : 4.1.
Danger code : 40
EMS N° : F-A, S-G
Hazard label :



4.1 (flammable solid)

IATA (Air)

Class : 4.1.

Danger code : 40

Hazard label :



4.1 (flammable solid)

14.4. Packing group

ADR/RID, IMDG, IATA: III

14.5. Environmental hazards

Non applicable.

14.6. Special precautions for user

Non applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Non applicable.

15. REGULATORY INFORMATION

15.1. Regulation / legislation for the substance about security, health and environment

- Regulation (EC) N° 1907/2006 and its modifications (N° 453/2010) concerning the registration, evaluation and authorization of chemical substances, and Restriction of Chemicals (REACH).
- Classified installations regulation: 1523 Section: Industrial manufacturing, melting, distillation, use or storage of sulfur
- Other regulations: Use limitation: Protection against hazardous substances contributes to employment restrictions for pregnant women and young people under 16 years.

15.2. Chemical safety assessment

Not available.

16. OTHER INFORMATION

Abbreviations and acronyms

LD50: Median Lethal Dose

LC50: Median Lethal Concentration

CAS: Chemical Abstracts Service (division of the American Chemical Society)

EINECS: European Inventory of Existing Commercial Chemical Substances

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ADR: European agreement concerning the International Transport of Dangerous Goods by Road

RID: European agreement concerning the International transport of dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods (code)

ICAO: International Civil Aviation Organization

IATA: International Air Transport Association

Risk sentences contained in section 3

H315: Causes skin irritation.

Additional information

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Document updating

Creation.