

MATERIAL SAFETY DATA SHEET

Directive (EEC) 91-155

COEFF

Date: 05/04/06

Page: 1/1
Ind. Rev.: 0

1 – PRODUCT AND COMPANY IDENTIFICATION

Product name: COEFF 2, 5, 10
Generic name: effervescent SO₂ tablets
- Supplier: LAMOTHE ABIET - B.P. 75
33 015 BORDEAUX CEDEX
Phone: +33 (0)5.57.77.92.92 Fax number: +33 (0)5.56.86.40.02
- Emergency number: Bordeaux Poison Center: +33 (0)5.56.96.40.80.

2 – COMPOSITION/INFORMATION ON INGREDIENTS

	Potassium metabisulfite	Potassium bicarbonate
Total formula:	K ₂ S ₂ O ₅	KHCO ₃
Molecular mass:	222,33	100,1
CAS Number:	16731-58-8	298-14-6
EINECS Number:	240-795-3	260-059-0

3 – HAZARDS IDENTIFICATION.

3.1 MAJOR HAZARDS: Danger symbol: Xi, irritating to eyes and respiratory system
Risk and Safety phrases: R31 - R36/37, S26
Contact with acid liberates toxic gas

3.2 SPECIFIC RISKS: If temperature exceeds 170°C, a violent decomposition with release of SO₂ and sulphur takes place.

4 – FIRST AID MEASURES

In case of inhalation: supply fresh air.
In case of skin contact: wash with copious amounts of water, remove contaminated clothing.
In case of eye contact: rinse with copious amounts of water. If pain persists, consult an ophthalmologist.

5 – FIRE-FIGHTING MEASURES.

5.1 RECOMMENDED EXTINGUISHING AGENT: Non combustible. Choose extinguishing agent according to the environment..

5.2 SPECIFIC HAZARDS: non combustible, in case of fire, risk of SO₂ formation

6 – ACCIDENTAL RELEASE MEASURES.

6.1 INDIVIDUAL PRECAUTIONS: wear gloves, safety goggles and dust mask.

6.2 MEASURES FOR ENVIRONMENT PROTECTION: comply with local regulations.

7 – HANDLING AND STORAGE:

7.1 HANDLING: No other requirements.

7.2 STORAGE CONDITIONS: store in a dry and well ventilated area. Substance is incompatible with acids and oxidizing agents (store separately).

8 – EXPOSURE CONTROL/PERSONAL PROTECTION.

Respiratory protection is required in case of dust formation. Eye protection required. Wear protective clothing, remove contaminated clothing and wash hands thoroughly after work.

9 – PHYSICAL AND CHEMICAL PROPERTIES.

	Potassium metabisulfite	Potassium bicarbonate
Appearance:	crystals	powdery crystalline
Colour:	white	white
Odour:	pungent SO ₂ odour	odourless
Decomposition temperature:	150°C	100°C
Water solubility at 20°C:	335 g/l	333 g/l
pH (20% solution):	3.5-4.5	8.4-8.6
Specific gravity:	1.2	2.17

10 – STABILITY AND REACTIVITY

10.1 Substances to avoid: oxidizing agents and acids

10.2 Hazardous reactions: - decomposition at high temperatures with production of sulfur dioxide (SO₂)
- Strong reaction in contact with acids and oxidizing agents with release of SO₂ and CO₂

11 – TOXICOLOGICAL INFORMATION

LD50 oral (rat): 2300 mg/kg

Primary skin irritation: non-irritant

Primary mucous membrane irritation: irritant

Frequent or prolonged contact may cause sensitization of skin and eyes.

12 – ECOLOGICAL INFORMATION

Do not release products into water without previous treatment.

This is an inorganic product, the elimination test is not applicable. This inorganic product can increase oxygen consumption in biological wastewater treatment plants.

Proper release into suitable biological wastewater treatment plants does not disturb the biological activity of the activated sludge. Sulfur dioxide is released in contact with acids. Respect the local regulations for treatment of residual waters. Chemical oxygen demand: 140 mg/g.

Acute fish toxicity: LC = maximum concentration tested without mortality: 220-440 mg/l/96h.

13 – DISPOSAL CONSIDERATIONS.

Dispose of product through a chemical waste centre.

14 – TRANSPORT INFORMATION.

RID – ADR: none

IMDG: none

IATA: none

15 – REGULATORY INFORMATION.

This product falls under European regulation for the labelling of chemical products.

Hazard symbols: Xi irritant

Danger symbol: Harmful

Risk phrases: R31: contact with acid liberates toxic gas.

R36/37: irritating to eyes and respiratory system.

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

Keep out of reach of children.

16 – OTHER INFORMATION:

This data sheet completes the technical notices of utilization but does not replace them. The information provided is based on our current knowledge of the product at the time of publication. They are given in good faith. Moreover, the user's attention should be drawn to the possible risks incurred if the product were used for other purposes than those for which it has been designed.

In any case, the data sheet does not release the user from knowing and applying all regulations related to his/her activity. He/she will be solely responsible for taking the necessary precautions related to the use of the product.
