



MATERIAL SAFETY DATA SHEET: INODOSE GRANULES

1. PRODUCT AND COMPANY IDENTIFICATION

Chemical name: potassium metabisulfite and potassium bicarbonate

Commercial name and synonym: Inodose granulés

Company details:

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Empirical formula: $K_2S_2O_5 / KHCO_3$

Molecular mass: 222,33 g.mol⁻¹ / 100.1 g.mol⁻¹

CAS registry n°: 16731-58-8 / 298-14-6

EINECS n°: 240-795-3 / 260-059-0

3. HAZARD IDENTIFICATION

Hazard symbol: Xi, mucosa and eye irritant.

Specific risks: If the temperature exceeds 170°C, violent decomposition with evolution of SO₂ and sulphur.

4. FIRST AID MEASURES

In case of inhalation: Inhale fresh air.

Splash on skin: Wash thoroughly with water, remove contaminated clothing.

In case of contact with eyes: Rinse thoroughly with water. If pain persists, consult a specialist.

In case of ingestion: Drink large quantities of water, consult a doctor.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing measures: Non-combustible, adapt the extinguishing agent to the environment.

Specific hazards: Non-combustible. In case of fire, risk of SO₂ formation.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Gloves, safety glasses and dust mask.

Environmental precautions: Comply with local regulations.

7. HANDLING AND STORAGE

Store in a dry, ventilated environment.

Incompatible matter: Hazardous reactions with nitrite and sodium nitrite, acids.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Protection of airway: Necessary in case of dust formation.

Protection of eyes: Safety glasses and water points.

Use preventive protection on skin, remove all contaminated clothing and wash hands thoroughly after usage.

9. CHEMICAL AND PHYSICAL PROPERTIES

Aspect: Compressed tablets.

Colour: White.

Odour: Sharp SO₂

10. STABILITY AND REACTIVITY

Matter to avoid: Oxidants and acids.

Hazardous reactions: Decomposes when hot releasing SO₂. Violent reaction with acids and oxidising agents with SO₂ et de CO₂ evolution.

11. TOXICOLOGICAL INFORMATION

LD 50 by mouth (rat) : 2300 mg.kg⁻¹.

Primary cutaneous irritation: Non irritant.

Primary mucosa irritation: Irritant.

Frequent or prolonged contact can induce irritation of the skin and eyes.

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12. ECOLOGICAL INFORMATION

Do not allow the product to penetrate water without prior treatment.

Mineral product, can cause oxygen consumption in biological wastewater treatment plants.

Chemical oxygen demand: 140 mg.g⁻¹.

Acute toxicity in fish: maximum tested concentration with no mortality: 220 – 440 mg.L⁻¹ in 96 h.

13. DISPOSAL CONSIDERATIONS

Dispose of in a chemical reprocessing station.

14. TRANSPORT INFORMATION

Not applicable.

15. REGULATORY INFORMATION

This product is subject to EC regulation concerning labeling of chemical products.

Hazard symbol: Xi irritant

Risk phrases: R 31: On contact with an acid, releases a toxic gas.

R 36/37: Irritant for eyes and airway.

Precautionary recommendations: S 26 : In case of contact with eyes, wash immediately and thoroughly with water and consult a specialist.

S 44: In case of malaise, consult a doctor (show the label if possible).

16. OTHER INFORMATION

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