

Crystal violet oxalate**361490**

Toxic

1. Identification of the product and the company

Trade name : Crystal violet oxalate.
Use : For professional use only.
Company identification : REACTIFS RAL S.A.
Site Montesquieu
33651 MARTILLAC CEDEX France
Tel : +33 (0) 5 57 96 04 04 Fax : +33 (0) 5 57 96 04 05
www.reactifs-ral.fr

2. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr	EINECS nr	EC index	Classification
Ethanol	ca 15 %	64-17-5	200-578-6	603-002-00-5	F; R11
Oxalate d'ammonium	< 1 %	6009-70-7	-----	-----	Xn; R20/21
Crystal violet	< 5 %	548-62-9	208-953-6	612-205-00-8	Carc. Cat. 2; R45 Xn; R22 Xi; R41 N; R50-53

3. Hazards identification

Main hazards : Flammable. Toxic. May cause cancer.
Primary route of exposure : Skin and eyes contact. Vapours inhalation.
Symptoms relating to use
- **Inhalation** : Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness, nausea, vomiting, dimming of vision.
- **Skin contact** : Redness, pain. Exposure to this material can result in absorption through skin causing significant health hazard.
- **Eye contact** : Redness, pain. Blurred vision. Tears.
- **Ingestion** : Swallowing a small quantity of this material presents some health hazard. Must not come into contact with food or be consumed.

4. First aid measures

First aid
- **Inhalation** : Take victim to fresh air. Obtain medical attention if breathing difficulty persists.
- **Skin contact** : Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.
- **Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking, tears or redness persist.
- **Ingestion** : Rinse mouth. Seek medical advice (show the label where possible).

Crystal violet oxalate**361490****5. Fire - fighting measures**

- Flammable class** : Flammable.
- Prevention** : Keep away from sources of ignition. No smoking.
- Extinguishing media** : Powder. Carbon dioxide. Use extinguishing media appropriate for surrounding fire.
- Special exposure hazards** : When mixed with air and exposed to ignition source, can burn in open air or explode if confined.
- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire.

6. Accidental release measures

- Personal precautions** : Wear suitable respiratory equipment. Equip cleanup crew with proper protection.
- Environmental precautions** : Prevent entry to sewers and public waters.
- After spillage and/or leakage** : Remove ignition sources. Clean up any spills as soon as possible, using an absorbent material to collect it. Dispose in a safe manner in accordance with local/national regulations.

7. Handling and storage

- General** : Store and handle as though always a serious potential fire/explosion and health hazard exists. Keep away from sources of ignition - No Smoking.
- Handling** : Handle in accordance with appropriate industrial hygiene and safety procedures. Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
- Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.
- Storage** : Store in dry, cool, well-ventilated area. Keep bottles closed when not in use. Keep away from heat.

8. Exposure controls / personal protection**Personal protection**

- **Respiratory protection** : Suitable respiratory equipment.
- **Hand protection** : Gloves.
- **Skin protection** : Wear suitable protective clothing.
- **Eye protection** : Safety glasses.
- **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide good ventilation in process area to prevent formation of vapour. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

9. Physical and chemical properties

- Physical state** : Liquid.
- Colour** : Dark violet.
- Density** : 0.98

Crystal violet oxalate**361490****10. Stability and reactivity**

- Physico-chemical stability** : Stable in normal temperature and pressure conditions.
Hazardous reactions : May release flammable gases.
Hazardous properties : In use, may form flammable/explosive vapour-air mixture.
Conditions to avoid : Open flame. Sparks. Overheating.

11. Toxicological information

- Toxicity information** : No data available.

12. Ecological information

- Ecological effects information** : Avoid discarding in the environment. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

- Disposal** : Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

14. Transport information**Hazard Label(s)**

- **Proper shipping name** : FLAMMABLE LIQUID, N.O.S.
- **UN No.** : 1993
- **H.I. nr :** : 33
- **ADR/RID** : Class : 3
- **Packing group** : Group : III

15. Regulatory information

- Symbol(s)** : Toxic.
R Phrase(s) : R10 - Flammable.
R45 - May cause cancer.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S Phrase(s) : S36/37 - Wear suitable protective clothing and gloves.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
S53 - Avoid exposure - obtain special instructions before use.

16. Other information

- Further information** : Product intended for professional use only.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

DISCLAIMER OF LIABILITY

This sheet completes the technical sheet but does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith.



MATERIAL SAFETY DATA SHEET

Page : 4 / 4

Revision nr : 4

Date : 12/10/2005

Supersedes : 17/8/2004

Crystal violet oxalate

361490

The attention of the user is drawn to the risks possibly incurred by using the product for other any purpose than for which it was intended.

This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product.

The mandatory regulations mentioned are only intended to help the user to fulfil his obligations regarding the use of hazardous products.

This listing must not be considered exhaustive. It does not exonerate the user from ensuring that other legal obligations than those mentioned do not exist, relating to the use and storage of the product for which he solely is responsible.

End of document