

Merthiolate-Formalin (M.F. solution)**365020**

Harmful

Producer

REACTIFS RAL S.A.
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1. Identification of the product and the company

Trade name : Merthiolate-Formalin (M.F. solution).
Use : For professional use only.
Company identification : REACTIFS RAL S.A.
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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
Mercuriothiolate de sodium	< 1 %	54-64-8	200-210-4	-----	T+; R26/27/28 R33 N; R50-53
Ethanol	ca 10 %	64-17-5	200-578-6	603-002-00-5	F; R11
Formaldehyde	ca 5 %	50-00-0	200-001-8	605-001-00-5	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43

3. Hazards identification

Main hazards : Flammable. Limited evidence of a carcinogenic effect. May cause sensitization by skin contact.
Primary route of exposure : Skin and eyes contact. Vapours inhalation.
Symptoms relating to use
- **Inhalation** : Danger of serious damage to health by exposure through inhalation.
- **Skin contact** : Repeated 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. Seek medical attention if ill effect develops.

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- Skin contact : Flush 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 attention if ill effect develops.

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** : Equip cleanup crew with proper protection. Wear suitable respiratory equipment.
- Environmental precautions** : Prevent entry to sewers and public waters.
- After spillage and/or leakage** : Clean up any spills as soon as possible, using an absorbent material to collect it. Remove ignition sources. 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. 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** : Keep bottles closed when not in use. Store in dry, cool, well-ventilated area. Keep away from heat.

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

- Respiratory protection : In case of insufficient ventilation, wear 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.

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Physical state : Liquid.
Colour : Orange to red.
Density : 0.985 - 1.000

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. Overheating. Sparks.

11. Toxicological information

Toxicity information : No data available.

12. Ecological information

Ecological effects information : Avoid discarding in the environment.

13. Disposal considerations

Disposal : 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 : 30
- ADR/RID : Class : 3
- Packing group : Group : III

15. Regulatory information

Symbol(s) : Harmful.
R Phrase(s) : R10 - Flammable.
R40 - Limited evidence of a carcinogenic effect.
R43 - May cause sensitization by skin contact.
S Phrase(s) : S24 - Avoid contact with skin.
S37 - Wear suitable gloves.

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.



MATERIAL SAFETY DATA SHEET

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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.

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.

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