

Armand solution**360100**

Corrosive



Toxic

1. Identification of the product and the company

Trade name : Armand solution.
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
Methylene blue pure for analysis	< 2 %	61-73-4	200-515-2	----	Carc. Cat. 3; R40 Xn; R22
Ethanol	ca 45 %	64-17-5	200-578-6	603-002-00-5	F; R11
Aniline	< 2 %	62-53-3	200-539-3	612-008-00-7	Carc. Cat. 3; R40 Muta. Cat. 3; R68 T; R23/24/25-R48/23/24/ 25 Xi; R41 R43 N; R50
Nitric acid	ca 20 %	7697-37-2	231-714-2	007-004-00-1	O; R8 C; R35

3. Hazards identification

Main hazards : Flammable. Toxic by inhalation, in contact with skin and if swallowed. Possible risks of irreversible effects. Causes burns. Limited evidence of a carcinogenic effect.

Primary route of exposure : Skin and eyes contact. Vapours inhalation.

Symptoms relating to use

- **Inhalation** : Sore throat. Corrosive to respiratory system.
- **Skin contact** : Redness, pain. Causes burns. Repeated exposure to this material can result in absorption through skin causing significant health hazard.
- **Eye contact** : Blurred vision. Redness, pain. Burning sensation.
- **Ingestion** : Harmful if swallowed. Abdominal pain, nausea. Burning sensation. 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** : Remove contaminated clothing and shoes. Rinse immediately with plenty of water. Seek medical attention immediately.

Armand solution**360100****4. First aid measures (continued)**

- Eye contact : Rinse immediately with plenty of water. Contact ophthalmologist immediately.
- Ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Call a physician immediately.

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.
- 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. Dispose in a safe manner in accordance with local/national regulations.

7. Handling and storage

- General** : Avoid all unnecessary exposure. 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 container closed when not in use. Keep away from heat. Do not store in corrodable metal.

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

- Respiratory protection : Suitable respiratory equipment.
- Hand protection : Gloves.
- Skin protection : Wear proper protective equipment.
- Eye protection : Safety glasses.
- Ingestion : When using, do not eat, drink or smoke.
- Industrial hygiene** : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Armand solution**360100****9. Physical and chemical properties**

Physical state : Liquid.
Colour : Dark blue.
Odour : Characteristic.

10. Stability and reactivity

Physico-chemical stability : Stable in normal temperature and pressure conditions.
Materials to avoid : Metals.

11. Toxicological information

Toxicity information : No data available.

12. Ecological information

Ecological effects information : Not release to the 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 : CORROSIVE LIQUID, FLAMMABLE, N.O.S.
- UN No. : 2920
- H.I. nr : 83
- ADR/RID : Class : 8
- Packing group : Group : II

15. Regulatory information

Symbol(s) : Toxic.
Corrosive.

R Phrase(s) : R10 - Flammable.
R34 - Causes burns.
R40 - Limited evidence of a carcinogenic effect.
R48/23/24/25 - Toxic : danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R68 - Possible risks of irreversible effects.

S Phrase(s) : S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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.



MATERIAL SAFETY DATA SHEET

Page : 4 / 4

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Supersedes : 12/9/2003

Armand solution

360100

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.

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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