



# SAFETY DATA SHEET

## AMARANTH SOLUTION

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### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

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**PRODUCT NAME:** AMARANTH SOLUTION  
**PART No.:** M047  
**SUPPLIER:** J M Loveridge plc  
Southbrook Road, Southampton  
Hampshire  
SO15 1BH  
Tel: 023 8022 2008  
Fax: 023 8022 2117

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS:

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NAME			CONTENT
<b>CAS No.:</b>	<b>EINECS Nr.:</b>	<b>CLASSIFICATION</b>	
TRICHLOROMETHANE			1-5 %
67-66-3	200-663-8	Xn R-22, 38, 40, 48/20/22 Carc3	
ETHANOL			10-30 %
64-17-5	200-578-6	F R-11	

The Full Text for all R-Phrases are Displayed in Section 16

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### 3. HAZARDS IDENTIFICATION:

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Limited evidence of a carcinogenic effect. Carcinogen Category 3.

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### 4. FIRST AID MEASURES:

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**GENERAL:** IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

**INHALATION:** Move affected person from exposure. If recovery not rapid or complete seek medical attention.

**INGESTION:** DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious rinse mouth out.

Keep patient at rest and obtain medical attention.

**SKIN:** Remove contaminated clothing. Wash affected area with plenty of soap and water. If symptoms occur or persist, obtain medical attention. Launder clothing before re-use.

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**EYES:** Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

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## 5. FIRE FIGHTING MEASURES:

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**EXTINGUISHING MEDIA:** Water spray, fog or mist, carbon dioxide (CO<sub>2</sub>), alcohol resistant foam, dry chemicals, sand, dolomite etc.

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not release contaminated water used for extinguishing into drains, soil or surface water.

**HAZARDOUS COMBUSTION PRODUCTS:** Thermal decomposition may release noxious, corrosive or toxic vapours. - hydrogen chloride and phosgene vapour.

**PROTECTIVE MEASURES IN FIRE:** Fire fighters should wear self-contained breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES:

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**PERSONAL PRECAUTION IN SPILL:** Wear appropriate protective clothing. Do not breathe vapour or fumes. Ventilate area to dispel residual vapour or fumes.

**PRECAUTIONS TO PROTECT ENVIRONMENT:** Prevent contamination of soil, drains and surface water.

**SPILL CLEANUP METHODS:** Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

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## 7. HANDLING AND STORAGE:

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**USAGE PRECAUTIONS:** **HANDLING** - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Ensure good ventilation and local exhaust extraction in work place. Avoid vapour inhalation, skin and eye contact.

**STORAGE PRECAUTIONS:** Avoid direct sunlight. Store in a cool, dry, well ventilated place, in securely closed original container.

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## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

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INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
TRICHLOROMETHANE	67-66-3	OES	2 ppm(Sk)	
ETHANOL	64-17-5	OES	1000 ppm	No std.

**INGREDIENT COMMENTS:** Exposure limits for trichloromethane listed in EH40 as chloroform. Sk - can be absorbed by skin contact.

**VENTILATION:** Provide sufficient ventilation during operations which cause vapour formation.

**PROTECTIVE GLOVES:** Use impervious gloves.

**EYE PROTECTION:** Approved chemical safety goggles or face protection.

**OTHER PROTECTION:** Wear personal protective equipment appropriate to the quantity of material handled.

**HYGIENIC WORK PRACTICES:** **SKIN PROTECTION** - use appropriate barrier cream to prevent defatting and cracking of skin.

## 9. PHYSICAL AND CHEMICAL PROPERTIES:

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**APPEARANCE:** Red mobile liquid.

**ODOUR/TASTE:** Chloroform odour.

**DENSITY/SPECIFIC GRAVITY (g/ml):** ~ 1.03 - 1.09                      **Temperature (°C):** 20

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## 10. STABILITY AND REACTIVITY:

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**STABILITY:** Stable under normal conditions of use.

**HAZARDOUS DECOMP. PRODUCTS:** Thermal decomposition may release noxious, toxic or corrosive gases or vapours. - possibly phosgene and hydrogen chloride.

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## 11. TOXICOLOGICAL INFORMATION:

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**INGESTION:** May cause nausea, vomiting, dizziness and depression of CNS.

**EYES:** Irritating to eyes.

**OTHER HEALTH EFFECTS:** Chloroform component of the preparation has been found to cause cancer in laboratory animals.  
Target organs are kidneys and liver, foetotoxic and fertility effects have also been observed.

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## 12. ECOLOGICAL INFORMATION:

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**ECOLOGICAL INFORMATION:** No specific information available, but material is expected to have adverse effect on the environment.

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## 13. DISPOSAL CONSIDERATIONS:

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**DISPOSAL METHODS:** This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.

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## 14. TRANSPORT INFORMATION:

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**GENERAL:** Not classified as hazardous for transport.

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## 15. REGULATORY INFORMATION:

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**LABEL FOR SUPPLY:**



**RISK PHRASES:** R-40 Limited evidence of a carcinogenic effect.

**SAFETY PHRASES:** P-10 For use in industrial installations only.  
S-36/37 Wear suitable protective clothing and gloves.  
S-60 This material and its container must be disposed of as hazardous waste.

**UK REGULATORY REFERENCES:** Classification, Packaging and Labelling Regulations 1984. Chemicals (Hazard Information & Packaging) Regulations 1993.  
Regulatory requirement mandates selection of P10 phrase.

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**16. OTHER INFORMATION:**

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**INFORMATION SOURCES:** This product has been classified in accordance with CHIP3 regulations.

**REVISION COMMENTS:** Edition 01; Revised item(s):

**ISSUED BY:** MK

**SDS No.:** M009

**DATE:** 12/07/02

**DISCLAIMER:** The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.

**R-PHRASES (Full Text):** R-11 Highly flammable. R-22 Harmful if swallowed. R-38 Irritating to skin. R-40 Limited evidence of a carcinogenic effect. R-48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.