

# Safety Data Sheet

According to Regulation (EU) 2015/830



## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1	<b>Product Name</b>	MN1
1.2	<b>Relevant identified uses of the substance</b>	Marking solution
1.3	<b>Details of the supplier</b>	Universal Marking Systems Ltd. Dukes Mill, Station Approach, Medstead, Alton, Hants, GU34 5EN, England
	Telephone	+44 (0) 1420 565800
	Email	<a href="mailto:Info@ums.co.uk">Info@ums.co.uk</a>
	Web	<a href="http://www.ums.co.uk">www.ums.co.uk</a>
1.4	<b>Emergency Telephone Number</b>	+44(0) 1420 565800

## SECTION 2: HAZARDS IDENTIFICATION

2.1	<b>Classification of the substance or mixture</b>	
	Classification of mixture	EC 1272/2008 (CLP)
	Physical hazards	None
	Health hazards	None
	Environmental Hazards	None
2.2	<b>Label Elements</b>	None
	Hazard pictograms	
	Signal Word	None
	Hazard statement	None
	Precautionary statements	None
	Contains	-
2.3	<b>Other Hazards</b>	This product is low hazard but may cause slight irritation of the skin and eyes.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1	<b>Substances</b>	-
3.2	<b>Mixtures</b>	
	Name of Ingredient	Trisodium orthophosphate
	CAS No	7601-54-9
	Approx. content	<2%
	M-Factor	-
	Classification	Skin Irritant 2; H315 Eye Irritant 2; H319 STOT SE3; H335
3.3	<b>Further Information</b>	Other components are either low hazard or are below the concentration limit for declaration.

## SECTION 4: FIRST AID MEASURES

# Safety Data Sheet

According to Regulation (EU) 2015/830



4.1	<b>Description of First Aid Measures</b>	
	General information	-
	Inhalation	Move affected person to fresh air.
	Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting.
	Eye contact	Rinse cautiously with plenty of water until irritation subsides.
	Skin contact	Wash with plenty of soap and water.
4.2	<b>Most important symptoms &amp; side effects</b>	
	General information	-
	Inhalation	-
	Ingestion	-
	Skin contact	May cause slight irritation.
	Eye contact	May cause slight irritation.
4.3	<b>Indication of any immediate medical attention and special treatment needed</b>	
	Notes for the doctor	-

## SECTION 5: FIREFIGHTING MEASURES

5.1	<b>Suitable extinguishing media</b>	To suit local surroundings (e.g. water spray, carbon dioxide, foam, chemical powder)
5.2	<b>Special hazards arising from the mixture</b>	
	Specific hazards	Decomposition products released in a fire, (e.g. oxides of nitrogen and carbon), should be considered toxic if inhaled.
	Hazardous combustion products	This product is non-combustible.
5.3	<b>Advice for firefighters</b>	
	Protective actions during firefighting	As appropriate for surrounding fire.
	Special protective equipment for firefighters	Fire fighters should wear protective equipment appropriate for surrounding fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	<b>Personal precautions, protective equipment and emergency procedures</b>	Avoid contact with skin and eyes. Wear suitable personal protective equipment (see section 8).
6.2	<b>Environmental precautions</b>	Do not allow large volumes to get into waste water or waterways; if this occurs, inform the relevant water authority at once.
6.3	<b>Methods and material for containment and cleaning up</b>	LARGE LEAKS & SPILLAGES: Adhere to personal protective measures. Take up with absorbent material, e.g. sand, into tightly closable containers. Label container and dispose of as industrial waste. MINOR LEAKS & SPILLAGES: Wear protective gloves and absorb spillage into a damp cloth. Ensure cloth is fully rinsed out afterwards. Wash contaminated area with plenty of water.
6.4	<b>Reference to other sections</b>	See Section 8 for personal protective equipment. See Section 13 for waste disposal.

## SECTION 7: HANDLING AND STORAGE






# Safety Data Sheet

According to Regulation (EU) 2015/830



7.1	<b>Precautions for safe handling</b>	
	Usage precautions	Handle in accordance with good hygiene and safety practice. Wear suitable protective clothing as specified in section 8.
7.2	<b>Conditions for safe storage, including any incompatibilities</b>	
	Storage precautions	Ensure adequate ventilation of the storage area. Keep containers tightly closed, cool and dry when not in use.
	Storage Class	12
7.3	<b>Specific end use(s)</b>	
	Usage description	Marking solution.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIONS

8.1	<b>Control Parameters</b>	
	Occupational exposure limits	No Workplace Exposure Limits (WEL) assigned.
8.2	<b>Exposure controls</b>	
	Appropriate engineering controls	Ensure adequate ventilation of working area. Provide local exhaust ventilation if necessary.
	Individual protection measures	Observe normal standards for handling chemicals. Wash hands before breaks and after work. Wear personal protective equipment appropriate to the task (see below). Personal protective equipment should be selected as appropriate for the identified hazard(s). It should be regularly inspected for soundness against leaks, bad fitting and possible chemical penetration. Recommended safe use periods should never be exceeded. Ensure the availability of eyewash bottles/stations.
		Not required.
		Lightweight chemical resistant gloves for normal use. PVC gloves for dealing with large leaks or spillages.
		None required for normal use. Protective overalls for dealing with large leaks or spillages.
		Not required.
		Safety glasses with side shields.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# Safety Data Sheet

According to Regulation (EU) 2015/830



9.1	<b>Information on basic physical and chemical properties (typical data)</b>	
	Appearance	Liquid supplied in 1 litre and 125 ml plastic bottles.
	Colour	-
	Odour	-
	Odour threshold	-
	pH	Approx. 11.8
	Melting point	-
	Initial boiling point and range	100° C approx.
	Flash point	Non-combustible
	Evaporation rate	-
	Evaporation factor	-
	Upper/lower flammability or explosive limits	Non-combustible
	Vapour pressure	-
	Vapour density	-
	Relative density	Approx. 1
	Bulk density	Not applicable
	Solubility(ies)	Miscible with water
	Partition coefficient	-
	Auto-ignition temperature	Non-combustible
	Decomposition temperature	-
	Viscosity	-
	Oxidising properties	Not oxidising.

## SECTION 10: STABILITY AND REACTIVITY

10.1	<b>Reactivity</b>	Stable under normal use and storage conditions.
10.2	<b>Chemical stability</b>	Stable in normal use.
10.3	<b>Possibility of hazardous reactions</b>	May react with acids.
10.4	<b>Conditions to avoid</b>	None
10.5	<b>Incompatible materials</b>	None known
10.6	<b>Hazardous decomposition product(s)</b>	May generate toxic fumes if involved in a fire.

## SECTION 11: TOXICOLOGICAL INFORMATION

# Safety Data Sheet

According to Regulation (EU) 2015/830



11.1	<b>Information on toxicological effects</b>	
	Toxicological effects	This is a low hazard product.
	Acute toxicity	LD50 rat (oral) 7400 mg/kg data for Trisodium orthophosphate RTECS GE7350000
	Skin corrosion/irritation	May cause slight skin irritation.
	Serious eye damage/irritation	May cause slight eye irritation.
	Respiratory sensitisation	Not sensitising.
	Inhalation	Not hazardous.
	Ingestion	Not hazardous.
	Skin contact	May cause slight skin irritation.
	Eye contact	May cause slight eye irritation.

## SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Ecotoxicity</b>	No data available.
12.2	<b>Toxicity</b>	Low environmental toxicity.
12.3	<b>Persistence and degradability</b>	No data available.
12.4	<b>Mobility in soil</b>	Product is miscible with water.
12.5	<b>Results of PBT and vPvB assessment</b>	No data available.
12.6	<b>Other adverse effects</b>	None

## SECTION 13: DISPOSAL CONSIDERATIONS

13.1	<b>Waste treatment methods</b>	
	General information	In accordance with national (i.e. Hazardous Waste Regulations in the UK) and local authority regulations, e.g. incineration. Treat empty containers in the same way as the product or if possible wash out thoroughly and recycle.
	Disposal methods	In the UK, product and contaminated packaging can be disposed of as normal industrial waste.

## SECTION 14: TRANSPORT INFORMATION

14.1	<b>UN Number</b>	The product is not hazardous for transport.
14.2	<b>UN proper shipping name</b>	-
14.3	<b>Transport hazard classes</b>	-
14.4	<b>Packing group</b>	-
14.5	<b>Environmental hazards</b>	-
14.6	<b>Special Precautions for user</b>	-
14.7	<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	-

# Safety Data Sheet

According to Regulation (EU) 2015/830



## SECTION 15: REGULATORY INFORMATION

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	
	National regulations	Ensure compliance with all relevant national regulations.
	EU legislation	In accordance with EC Regulation No. 1272/2008
	Guidance	Follow all relevant guidance.
	German Water Hazard Class (WGK)	1
15.2	<b>Chemical safety assessment</b>	Not available.

## SECTION 16: OTHER INFORMATION

16.1	<b>General Information</b>	Suppliers' safety data sheets for components. ECHA Classification & Labelling Inventory
16.2	<b>Hazard statements in full</b>	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation.

### Disclaimers

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