

REVISION DATE: 21/01/2010

SAFETY DATA SHEET

Aqua ProMarker

MSDS compiled by Reagent Chemical Services Ltd.
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1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	Aqua ProMarker		
APPLICATION	Coloured Marker Pen		
SUPPLIER	LETRASET LIMITED Kingsnorth Industrial Estate Wotton Road Ashford Kent TN23 6FL +44 (0) 1233 624421 +44 (0) 1233 658877 info@letreset.com	MANUFACTURER	LETRASET LIMITED Kingsnorth Industrial Estate Wotton Road Ashford Kent TN23 6FL +44 (0) 1233 624421 +44 (0) 1233 658877 info@letreset.com

2 HAZARDS IDENTIFICATION

CLASSIFICATION -

3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION COMMENTS

These products are classed as articles and therefore are not required to have Safety Data Sheets as described by current REACH Regulations. Information contained herein is given as general advice referring to the chemical components of the product and any harmful effects they may cause to users or handlers.

4 FIRST-AID MEASURES

GENERAL INFORMATION

The dyes used in the inks are present in very low amounts in aqueous medium and themselves are classified as non-hazardous even as concentrated raw materials. Due to the nature of the product and its intended use no harmful effects are expected, the following is given as advice only. CAUTION! First aid personnel must be aware of own risk during rescue! When breathing is difficult, properly trained personnel may assist the casualty by administering oxygen. Place unconscious person on the side in the recovery position and ensure breathing can take place. Do not give victim anything to drink if they are unconscious. If medical attention is required take this information sheet with the casualty.

INHALATION

Unlikely route of exposure during normal use. If vapours are produced during a fire or production then remove victim from source of exposure if safe to do so. Provide warmth, rest and fresh air. Obtain medical attention in case of serious exposure or if discomfort continues.

INGESTION

Unlikely route of exposure during normal use, however if raw materials are ingested during handling or manufacture of products obtain medical assistance after ingestion of large amounts or if discomfort continues. If components of the product are accidentally ingested during normal use seek medical attention if any discomfort continues. Wash out mouth thoroughly with water, DO NOT INDUCE VOMITING.

SKIN CONTACT

In case of contact with large amounts of the raw materials, remove contaminated clothing as a general precaution, wash before re-use. Wash skin thoroughly with soap and water. In serious cases or if discomfort continues obtain medical attention.

EYE CONTACT

Promptly wash eyes with plenty of water or eyewash solution while lifting the eyelids. Remove contact lenses if possible. Get medical attention if any discomfort continues. If eye is damaged through contact with the nib of the pens obtain medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, dry powder, carbon dioxide or alcohol resistant foam. Do not use water jet.

SPECIFIC HAZARDS

In case of fire, toxic and corrosive vapours or fumes may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen chloride (HCl). Nitrous gases (NO_x). Sulphur dioxide. Based on hazardous properties of the individual chemical ink components.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

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Aqua ProMarker**PERSONAL PRECAUTIONS**

The article itself does not require any special protective equipment but take into account the nature of other substances in the spillage area which may have an effect on the health and safety of spill treatment personnel. If raw materials are spilled wear personal protective equipment as described in section 8 of this datasheet. Avoid inhalation of vapours and contact with skin and eyes.

ENVIRONMENTAL PRECAUTIONS

Do not allow to enter drains, sewers or watercourses. Avoid unauthorised discharge to land.

SPILL CLEAN UP METHODS

There are no specific instructions for cleaning product spillages. Return any undamaged items to storage, others should be disposed of according to local regulations. Treat spillages of the raw materials according to their own safety data sheets. Contain spillages wherever possible and prevent materials from contaminating land and water.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

No specific usage precautions noted. Read and follow manufacturer's recommendations. Avoid inhalation, skin and eye contact when handling raw materials.

STORAGE PRECAUTIONS

Avoid extreme temperatures, advisable to store between 5 and 30 C. Store away from direct sunlight and moisture. Avoid sources of ignition.

STORAGE CLASS

Unspecified storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**INGREDIENT COMMENTS**

This advice is based on exposure to the hazardous properties of the chemical components. Personal protection should not be required for normal use of the product.

ENGINEERING MEASURES

If vapours, mists or dusts are generated during the manufacture or handling of this product then ensure sufficient ventilation and extraction facilities are in place to avoid occupational exposure.

RESPIRATORY EQUIPMENT

Wear suitable respiratory equipment during manufacture of the product if vapours, mists or dusts are generated. Consult with the supplier as to the compatibility of the equipment with the chemical of concern.

HAND PROTECTION

Not required during normal use of the product. Wear protective gloves when handling the raw material components. Nitrile gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Not generally required during normal use however wear approved safety goggles during the manufacture process.

OTHER PROTECTION

Wear suitable protective clothing during manufacture, if there is a risk of splashing then wear a face shield. Wear plastic apron and full length gloves if handling large amounts. Have facilities in place to wash eyes in case of contact. If handling large amounts it is recommended to have a safety shower.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash skin with soap and water after contact during normal use of the product.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Plastic marker pen.
COLOUR	Various

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with moisture. Extreme temperatures

HAZARDOUS DECOMPOSITION PRODUCTS

Fire may create Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen chloride (HCl). Nitrous gases (NO_x). Sulphur dioxide.

11 TOXICOLOGICAL INFORMATION

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Aqua ProMarker**TOXICOLOGICAL INFORMATION**

The product does not contain any classified preparations.

GENERAL INFORMATION

The product should not have any toxicological properties during its intended use, the following information based on the hazardous properties of the individual components is given as general advice.

INHALATION

Vapours or mists in high concentration may cause irritation to the respiratory system.

INGESTION

Ingestion of large amounts of raw materials may cause discomfort and nausea. Ingestion of marker pen components may cause blockage in airway or digestive system.

SKIN CONTACT

May cause slight irritation on individuals with sensitive skin after frequent or prolonged contact.

EYE CONTACT

May cause temporary eye irritation.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Do not allow unauthorised disposal of raw materials or finished product.

MOBILITY

The product will float on water surfaces and be dispersed by water systems. The individual raw materials are water soluble and will travel in water systems.

DEGRADABILITY

The product is not readily biodegradable.

13 DISPOSAL CONSIDERATIONS**DISPOSAL METHODS**

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

15 REGULATORY INFORMATION**RISK PHRASES**

NC Not classified.

SAFETY PHRASES

NC Not classified.

16 OTHER INFORMATION**GENERAL INFORMATION**

The precautionary measures and information contained herein have been based on the properties of the component materials. The product is a finished article which contains chemical constituents but is itself not classified and requires no hazard labelling or Safety Data Sheet according to EU regulations.

INFORMATION SOURCES

Raw material safety data sheets provided by Clariant. Product composition data.

REVISION COMMENTS

Change to section 1

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REV. NO./REPL. SDS GENERATED 1

SAFETY DATA SHEET STATUS

Approved.