

SAFETY DATA SHEET

According to 453/2010/EU and 1272/2008/EG
2011-05-26



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

1.1. Product identifier

Trade name 500-271
Supplier's product identifier ABC 889A PREDIP/CATALYST PART A - 5 LITRES

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Making printed circuit board
Uses advised against

1.3. Details of the supplier of the safety data sheet

Company Mega Electronics Ltd.,
Mega House, Grip Industrial Estate,
Linton, Cambridge, U.K. CB21 4XN
Contact person John Wells
Telephone 0044 (0) 1223 893900

1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112
For non-emergency poison information, see <http://www.who.int/ipcs/poisons/centre/directory/euro/en/>

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to 1272/2008/EG

This mixture is not classified as hazardous according to 1272/2008/EG.

Classification according to 1999/45/EG

This product is considered not to be attributed any R phrase or any other risk information.

2.2. Label elements

Hazard pictograms Not applicable
Signal words Not applicable
Hazard statements Not applicable

2.2. Label elements(1999/45/EG)

Not applicable
Not applicable
Not applicable

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is composed of a homegenous aqueous solution.

3.2. Mixtures

Constituent	Classification	Concentration
WATER		
CAS No 7732-18-5	-	80 - 100%
EC No 231-791-2	*, -	

SODIUM CHLORIDE		
CAS No 7647-14-5	Eye Irrit 2; H319	15 - 30%
EC No 231-598-3	; -	
HYDROCHLORIC ACID < 10%		
CAS No 7647-01-0	-	< 1%
EC No 231-595-7	*; -	
Index No 017-002-01-X	; -	
		Sum 100%

Explanations to the classifications are given in Section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Generally

No special measures should be needed; If nevertheless symptoms should occur, contact physician.

On breathing

On breathing great amounts of smoke, fog or dust, flush nose, mouth and throat with water; If symptoms occur contact physician.

On contact with the eyes

Precautionally flush the eye with water; If symptoms occur, contact physician.

On skin contact

Normal cleaning of the skin is considered as sufficient; If nevertheless symptoms occur, contact physician.
Remove contaminated clothes.

Prevention of ingestion

No special measure should be needed; To be on the safe side, induce vomiting and contact physician.

4.2. Most important symptoms and effects, both acute and delayed

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: FIREFIGHTING MEASURES

5.0 General measures in case of fire or imminent fire

Call the Fire Department tel 112. At first save persons in danger. Remove gas cylinders, flammable and oxidising material.

5.1. Extinguishing media

Recommended extinction agents

To be extinguished according to the main material on fire.

5.2. Special hazards arising from the substance or mixture

Dangerous combustion gases

Burning emits smoke containing harmful gases (carbon monoxide and carbon dioxide) and, in case of incomplete combustion, aldehydes and other irritant substances.

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Special risks on fire fighting

5.3. Advice for firefighters

Use a self-contained air equipment at fire.

5.4. Other information

Fire properties of this product

Not flammable.

Not oxidising.

Special risks in case of fire

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use allergy-tested protection gloves when sanitizing spill.

Dust filter IIb (P2) may be needed when sanitizing spill.

Avoid emissions into soil, water or air.

On spill in protected water source, immediately call rescue help, tel 112.

Do not inhale the product and avoid contact with skin and eyes.

6.2. Environmental precautions

The product can be released into the environment in the amounts that may possibly be in use.

6.3. Methods and material for containment and cleaning up

Carefully gather the material for waste combustion; Then rinse spillage area with water.

Avoid raising the material into the air.

Contaminated product shall be handled as chemical waste and should be declared as not dangerous goods.

6.4. Reference to other sections

For choice of gloves, c.f. Section 8.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

This product shall be kept out of reach for young children and securely separated from products intended for ingestion.

Keep this product separated from groceries and out of reach of children and pets.

Do not eat, drink or smoke in the location where this product is stored.

7.2. Conditions for safe storage, including any incompatibilities

Store in a well ventilated cupboard approved for acids, not above eye-level.

Store only in the original package.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure limit values

No ingredient (c.f. section 3) has threshold limit values.

8.2. Exposure controls

Do not let this product unnecessarily get in touch with humans or animals and handle it in all respects with respect to that it may be harmful.

Preventive measures

Ventilation demands

Handle in locality with modern standard of ventilation.

General advises for prevention of harm

Handle the substance as potentially harmful to the health.

Keep out of reach for children and pets.

Personal protection devices

General

Maintenance and service of personal protective equipment shall be included in the works plan for internal supervise. All controls and measures shall be documented.

Clothing

For appropriate choice of clothing consultation of company healthcare or other expertise is recommended:

Normal working clothing of cotton or synthetic material is sufficient; Clothing contaminated with this product shall immediately be washed; Avoid contact with the skin.

Respiratory protection

Breathing protection shall only be needed in extreme working situations. Consult the manufacturer if that

is the case.

Dust filter IIb(P2) may be needed.

Hand protection

Not indicated

Eye protection

Use safety glasses, safety goggles, face-shield.

Eye protection shall be used in case of risk for direct contact or splashes.

Skin protection

Not indicated

Environmental exposure controls

For limitation of environmental exposure, see section 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

a) Appearance	State of aggregation: Solved in water Colour:
b) Odour	Mild
d) pH	0-2
m) Relative density	1.18 kg/L
n) Solubility	Solubility in water unlimited soluble
s) Explosive properties	C.f. section 2 and 10

SECTION 10: STABILITY AND REACTIVITY

Stability

The product is stable.

SECTION 11: TOXICOLOGICAL INFORMATION

General or unspecific toxicity

The product is not classified to be toxic.

Toxicokinetics, metabolism and distribution

acute effects

Not classified as an urgently toxic substance.

Dangers to the health

The product is not classified as harmful to the health.

repeated dose toxicity

As far as we know no chronic effects have been reported for this product.

carcinogenicity

As far as we know no carcinogenic effects have been reported for this product.

CMR effects

As far as we know no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

sensitisation

Hypersensitivity reactions cannot be excluded for sensitive persons.

Corrosive and irritating effects

The product is not corrosive. Minor irritation cannot be excluded for sensitive persons.

Other toxicologic information.

Synergism and antagonism

As far as we know no synergistic effects have been reported for this product or any of its ingredients.

Effect on judgement and other psychic effects

As far as we know this product does not affect the judgement if used as intended.

Effect on the human micro flora

Effects on the micro flora of humans is unproven or negligible.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity**General information**

This product contains of easily degradable naturally occurring or nature identic substances from mainly renewable sources, whereby the global environmental load may be considered to be negligible. In the local environment minor ecological effects may occur at larger emissions.

Mobility**General information on mobility in nature**

Information about mobility in the nature is missing but there is no reason to suppose the product to be ecologically harmful for this reason.

Persistence and degradability

The product is degradable in the nature.

Bioaccumulative potential

This product or its ingredients does not accumulate in nature.

Other adverse effects**Affection of the vicinal environment**

This product is rapidly degraded but emission of larger quantities under a short period may affect the local environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste handling for the product**General advises for waste handling**

The product is not classified as dangerous waste.
Also consider local rules for waste handling.

Recycling of the product

This product is not normally recycled.

Transportation of waste**Classification of waste according to ADR-S Supplement S (Updated: SRVFS 2005:8)**

Waste class J(0) - Not dangerous to the environment or health.

SECTION 14: TRANSPORT INFORMATION

Not classified as dangerous goods

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical safety assessment

Chemical safety report according to REACH Bilaga I is not required for this product.

SECTION 16: OTHER INFORMATION

Directions for use

Directions for use is distributed with the product

Warning for misuse

This product is not expected to cause severe harm for humans or the environment, however the manufacturer, the distributor or the supplier cannot be responsible for using it otherwise than stated in the user's manual.

Full texts for hazard statements mentioned in section 3, and other hazard information

XH299 Not assigned physical hazard

Revisions of this document

The first edition of this document was set 2011-05-26

This edition was set 2011-05-26.

Recalculated to GHS/CLP 2011-05-26.

Disclaimer

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