


Prepared in accordance with 1907/2006/EC, Article 31

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

1.1 Product identifier	AU500 Au Plating Solution 100mL
1.2 Relevant identified uses of the substance or mixture and uses advised against	SU3 Industrial uses
1.3 Details of the supplier of the safety data sheet	Trace2o Ltd, The Technology Centre, Wagtech Court, Station Road, Thatcham, Berkshire. RG19 4HZ. Tel: +44 (1635) 866772. Fax: +44 (1635) 873509. Email: technical@trace2o.com
1.4 Emergency telephone number	Contact Trace2o UK at +44 (1635) 866772 between 0830 and 1700 UK time Mon-Fri. Information provided by Trace2o is for guidance on the nature of hazards only and does not constitute medical advice.

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Classification according to Regulation (EC) No 1272/2008	 GHS07 H303; H315; H319; H333
2.2 Label elements	The mixture is classified and labelled according to the CLP regulation.
2.3 Other hazards	N/A

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures (Dangerous components)				
Substance	Amount (% w/w)	CAS No.	EC No.	Symbol letter(s) and Risk phrases
Citric acid	15-20	77-92-9	201-069-1	H303; H315; H319; H333

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures	
General information	In case of concerning symptoms, consult a physician. Show this data sheet.
Skin contact	Wash skin with soap and water, and rinse thoroughly. Seek medical advice if symptoms persist.
Eye contact	Flush eyes with copious amounts of water for at least fifteen minutes. SEEK MEDICAL ADVICE IMMEDIATELY.
Inhalation	Remove person to fresh air. If required, provide artificial respiration. Keep person warm. SEEK MEDICAL ADVICE IMMEDIATELY.
Ingestion	Wash out mouth with water. Then drink 1-2 glasses of water. Do not induce vomiting. SEEK MEDICAL ADVICE IMMEDIATELY.
4.2 Most important symptoms and effects, both acute and delayed	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.
4.3 Indication of any immediate medical attention and special treatment needed	None available.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishing media	Product is non-flammable. Use suitable extinguishing media for the surrounding fire.
5.2 Special hazards arising from the substance or mixture	May release toxic gases in case of fire – hydrogen chloride (HCl), metal oxide
5.3 Advice for firefighters	Wear self-contained breathing apparatus. Wear full protective suit.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Wear personal protective equipment whilst handling product. Keep unprotected people away. Ensure adequate ventilation. Ensure that appropriate risk assessment is carried out before use.
6.2 Environmental precautions	Dispose of product and waste packaging in accordance with local regulations. Do not allow product to reach sewage system or water bodies.
6.3 Methods and material for containment and cleaning up	Isolate and ventilate hazard area. Wear appropriate personal protective equipment. Spills should be taken up with a suitable absorbent (sand, diatomite, acid binders, universal binders, sawdust) and placed in approved containers. Use neutralising agent. Flush area with copious amounts of water. Collect waste water for approved disposal.
6.4 Reference to other sections	See section 8 of SDS for detailed information on personal protective equipment.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling	Keep containers tightly sealed. Avoid contact with skin and eyes. Ensure adequate ventilation at the workplace. Avoid inhalation of vapour or mist. Do not use unless adequately trained in safe handling.
7.2 Conditions for safe storage, including any incompatibilities	Store in original container, in a cool, dry, dark place. Keep lid tightly closed. Containers with seal broken should be resealed or stored upright to prevent leakage. Store away from strong bases. Store in a locked cabinet or with access restricted to technical experts or their assistants.
7.3 Specific end use(s)	No data available.

SECTION 8 – EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters	N/A		
8.2 Exposure controls			
Engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands after use.		
Personal protective equipment			
Eye/face protection	Safety glasses with side shield	Skin protection	Handle with gloves. Use proper glove removal technique.
Respiratory protection	None required provided use is as directed	Thermal protection	None required

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties			
Appearance, odour, and odour threshold (if relevant):	Liquid, yellow, odourless	pH:	No data available
Melting/freezing point (°C):	≈ 0°C	Initial boiling point & range (°C):	≈ 100°C
Flash point (°C):	No data available	Evaporation rate:	No data available
Flammability (solid, gas):	No data available	Upper/lower flammability or explosive limits:	No data available
Vapour pressure:	No data available	Vapour density:	No data available
Relative density:	No data available	Solubility(ies):	No data available
Partition coefficient: n-octanol/water;	No data available	Auto-ignition temperature:	No data available
Decomposition temperature:	No data available	Viscosity:	No data available
Explosive properties:	No data available	Oxidising properties:	No data available
9.2 Other Information	No data available		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity	No data available
10.2 Chemical stability	Stable if stored and used as directed.
10.3 Possibility of hazardous reactions	No data available
10.4 Conditions to avoid	No data available
10.5 Incompatible materials	Bases, oxidising agents.
10.6 Hazardous decomposition products	Hydrogen chloride, metal oxide

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects			
Inhalation	Irritating to respiratory system.	Ingestion	Harmful if swallowed.
Eye contact	Risk of serious damage.	Skin contact	Irritating to skin.
Carcinogenicity/mutagenicity	No data available	Sensitisation	No data available
Chronic effects	No data available	Other	No data available

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity	No data available	12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available	12.4 Mobility in soil	No data available
12.5 Results of PBT and vPbB assessment	No data available	12.6 Other adverse effects	May be harmful to aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Offer to licensed disposal company for disposal in accordance with local regulations.
Packagings	Dispose of as unused product.

SECTION 14 - TRANSPORT INFORMATION

14.1 UN number	N/A	14.2 UN proper shipping name	N/A
14.3 Transport hazard class(es)	N/A	14.4 Packing group	N/A
14.5 Environmental hazards	N/A	14.6 Special precautions for user	N/A
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	N/A	Additional information	N/A

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	No data available
15.2 Chemical safety assessment	No data available

SECTION 16 - OTHER INFORMATION

Hazard Statement Index	H303 = May be harmful if swallowed H315 = Causes skin irritation	H319 = Causes serious eye irritation H333 = May be harmful if inhaled
Precautionary Statement Index	P233 = Keep container tightly closed P261 = Avoid breathing mist/spray P270 = Do not eat, drink or smoke when using this product P281 = Use personal protective equipment as required P302+352 = IF ON SKIN: Wash with soap and water P305+351+338 = IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing	P234 = Keep only in original container P262 = Do not get in eyes, on skin, or on clothing P273 = Avoid release to the environment P301+330+331 = IF SWALLOWED: Rinse mouth. Do NOT induce vomiting P304+340 = IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P308+313= IF exposed or concerned: Get medical advice/attention
Restrictions		
Revision Date	26-07-18	
Disclaimer	To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.	