

Citrox Rust Remover

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Citrox

APPLICATION Rust Remover

SUPPLIER Gateros Plating
6 Gorseley Leys, DE12 6JE
T: 01283763502
E: dan@gaterosplating.co.uk

2 HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed.
CLASSIFICATION Xn;R21/22

3 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO. 607-006-00-8
EC No. 205-634-3
CAS-No. 144-62-7

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. In case of severe exposure or if any discomfort continues get medical attention.

INGESTION

Do not induce vomiting. Immediately rinse mouth and drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Immediately remove contaminated clothing and wash before re-use. Wash the skin immediately with soap and water. In serious cases or if discomfort continues obtain medical attention.

EYE CONTACT

Promptly wash eyes with plenty of water or eye wash solution while lifting the eyelids. If possible remove any contact lenses and continue to wash. Get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Combustible. Water spray, foam, dry powder or carbon dioxide.

SPECIFIC HAZARDS

In case of fire, toxic and corrosive gases may be formed. Carbon monoxide (CO). Formic acid.

PROTECTIVE MEASURES IN FIRE

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

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

Small Spillages Mix with sand. Large Spillages Contain and mix spillage with sand or earth. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid spread of dust.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name Std TWA - 8 hrs STEL - 15 min Notes
OXALIC ACID LRG OES 1 mg/m³ 2 mg/m³

ENGINEERING MEASURES

Provide adequate ventilation, including appropriate local extraction, to ensure workplace exposure limits are not exceeded.

RESPIRATORY EQUIPMENT

In case of inadequate ventilation use suitable respirator.

HAND PROTECTION

Wear protective gloves. Rubber or plastic. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Frequent change is advisable.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear suitable protective clothing as protection against splashing or contamination. Provide eyewash station and safety shower.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE Solid

COLOUR White

ODOUR Odourless

SOLUBILITY Soluble in water

MELTING POINT (°C) 101 RELATIVE DENSITY 1.65

BULK DENSITY 0.9 kg/l pH-VALUE, DILUTED SOLUTION Approx. 1 1%

SOLUBILITY VALUE (g/100g H₂O@20°C) 10.2

10 STABILITY AND REACTIVITY

STABILITY

Stable.

MATERIALS TO AVOID

Oxidising agents. Bases. Ammonia. Silver compounds.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 7500 (Anhydrous) mg/kg (oral rat)

INHALATION

Dust may irritate respiratory system or lungs. May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

Irritation of the mouth, the oesophagus and the gastrointestinal tract. Rapid absorption. Nausea, vomiting. Ingestion of large amounts may be fatal.

SKIN CONTACT

Irritating to skin. May cause serious chemical burns of the skin.

EYE CONTACT

Irritating to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Although not classified as environmentally hazardous, harmful effects cannot be excluded in the event of improper handling or disposal.

BIOACCUMULATION

Low bioaccumulation potential.

DEGRADABILITY

The product is moderately biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION

UK ROAD CLASS 8
PROPER SHIPPING NAME CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S.
UN NO. ROAD 3261 UK ROAD PACK GR. III

ADR CLASS NO. 8 ADR CLASS Class 8: Corrosive substances.
ADR PACK GROUP III HAZARD No. (ADR) 80
ADR LABEL NO. 8 HAZCHEM CODE 2X

CEFIC TEC(R) NO. 80GC4-II+III RID CLASS NO. 8
RID PACK GROUP III UN NO. SEA 3261
IMDG CLASS 8 IMDG PACK GR. III
EMS F-A, S-B MFAG See Guide
MARINE POLLUTANT No.

UN NO. AIR 3261
AIR CLASS 8 AIR PACK GR. III

15 REGULATORY INFORMATION

LABELLING
Harmful

RISK PHRASES
R21/22 Harmful in contact with skin and if swallowed.
SAFETY PHRASES
S2 Keep out of the reach of children
S24/25 Avoid contact with skin and eyes.

STATUTORY INSTRUMENTS
Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

APPROVED CODE OF PRACTICE
Classification and Labelling of Substances and Preparations Dangerous for Supply. COSHH essentials: Easy steps to control chemicals.
Control of Substances Hazardous to Health Regulations.

GUIDANCE NOTES
Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37.
NATIONAL REGULATIONS
Control of Substances Hazardous to Health Regulations 2002 (as amended)

16 OTHER INFORMATION
REVISION COMMENTS