

(In compliance with EC/1907/2006 Article 31 and Annex II)

Revision Date: 23/10/2012

Revision Number: 0

Material/Trade Name: PALETTE TONER - RED

1 – Identification of Substance/Mixture and of the Company/Undertaking

Material/Trade Name : Palette Toner - Red
Material type : Photographic process reagent
Company : Jay House Ltd
Address : 6B Park Lane Industrial Estate
Park Lane
Corsham
SN13 9LG
Telephone : 01249 714555
Fax : 01249 714999
Internet : info@fotospeed.com

2 – Hazards Identification

Classification of the substance or mixture

Not classified as hazardous to health according to Regulation (EC) No.1272/2008 and European Directive 67/548/EEC as amended

According to Regulation (EC) No.1272/2008

Aquatic Chronic (Category 2)

H411

Toxic to aquatic life with long lasting effects

According to European Directive 67/548/EEC as amended

N; Dangerous for the environment

R51/53

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3 – Composition/Information on Ingredients

CAS No.	EC No.	Index No.	Classification	Concentration
Ammonium chloride				
12125-02-9	235-186-4	017-014-00-8	Acute Tox. 4, Eye Irrit. 2 H302, H319 Xn; R22, Xi; R36	10% w/w
Copper Sulphate				
7758-98-7	231-847-6	029-004-00-0	Acute Tox. 4, Eye Irrit. 2, Skin Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1 H302, H319, H315, H400, H410 Xn; R22, Xi; R36/38, N; R50/53	4% w/w
Tri-potassium Citrate				
6100-05-6	-	-	-	24% w/w

4 - First-aid Measures

Inhalation:

Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention. Show this safety data sheet to medical personnel.

Eyes

Irrigate with water for at least 15 minutes. Take care not to wash chemical from one eye to another. If irritation persists, obtain medical attention.

Skin

Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. If irritation persists, obtain medical attention.

Ingestion

Do NOT induce vomiting. Give plenty of water to drink. If feeling unwell seek prompt medical attention.

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5 - Fire-fighting Measures

Suitable Extinguishers

Use media such as alcohol/aqueous foam, dry chemical, or carbon dioxide or water spray/fog which are suitable and appropriate for any surrounding fire.

Unsuitable Extinguishers

None.

Hazardous Decomposition

Sulphur oxides, Borane/boron oxides, Copper oxides. Carbon oxides, Potassium oxides.

Special Procedures/information for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Use water spray to cool containers. Prevent runoff from fire control from entering waterways. Large fires should only be dealt with by trained personnel.

6 - Accidental Release Measures

Personal Protection and Precautions

Use suitable personal protective equipment (refer to Section 8 for details). Avoid breathing vapours. Ensure adequate ventilation.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or watercourses.

Containment, Cleaning up and Disposal Considerations

Absorb in inert material such as sand or non-combustible absorbent granules

Scoop up and place in plastic container to await transfer

Refer to Section 13 for further information regarding disposal.

7 - Handling and Storage

Handling

Avoid inhalation of vapour or mist.

Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from sources of ignition and heating.

8 - Exposure Controls/Personal Protection

Occupational Exposure Limit: 10 mg/m³ 8hrTWA WEL Ammonium chloride

Respiratory Protection

Use in well ventilated areas. Use mechanical ventilation if possible.

Hand Protection

Wear polythene, PVC or nitrile gloves to Standard EN 374 (breakthrough time for total immersion in excess of 8 hours).

Eye Protection

Wear suitable eye protection such as safety glasses or goggles to Standard BS EN 166 if splash or eye contact likely.

Skin Protection

Wear suitable overalls or apron and change if contaminated. After contact with skin wash off immediately. Wash hands before breaks and immediately after using the product.

9 - Physical & Chemical Properties

Appearance : Liquid

Odour : None

pH : 4.8

Boiling point/range : 100°C

Melting point/range : n/e

Flash point : n/e

Flammability : NON FLAMMABLE

Autoflammability : n/e

Explosive properties : n/e

Oxidising properties : None

Vapour pressure : n/e

Relative density : n/e

Solubility : Miscible in water

Partition Coefficient : n/e

Vapour Density : n/e

Viscosity : As water

Evaporation rate : n/e

(n/e = not established)

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10 - Stability and Reactivity

Chemical Stability

Stable at normal temperatures and under recommended storage conditions.

Conditions to Avoid

None

Materials to Avoid

Strong acids, Strong bases, Strong oxidizing agents. Powdered metals, hydroxylamine, Magnesium and Strong reducing agents.

Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly. If product involved in fire decomposition products include potassium oxide, Bromine & cyanide.

11 - Toxicological Information

Acute toxicity

Low toxicity by all routes. For pure Ammonium Chloride and Copper sulphate;

LD₅₀ oral, rat (acute lethal effects) >200, ≤2000mg/kg.

Skin corrosion/irritation

Not expected to cause any acute skin corrosion or irritation at concentrations present in product

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Not expected to have sensitisation potential

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No components of this product present (as supplied) at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available

Potential health effects

Inhalation May be harmful if inhaled and may cause respiratory tract irritation.

Ingestion harmful if swallowed.

Skin May be harmful if absorbed through the skin and repeated exposure may cause skin dryness or cracking.

Eyes Causes serious eye irritation.

Signs and Symptoms of Exposure

Systemic copper poisoning may include: capillary damage, headache, cold sweat, weak pulse, and kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis, and coma. Death may occur from shock or renal failure. Chronic copper poisoning is typified by hepatic cirrhosis, brain damage and demyelination, kidney defects, and copper deposition in the cornea as exemplified by humans with Wilson's disease. It has also been reported that copper poisoning has led to hemolytic anemia and accelerates arteriosclerosis.

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12 - Ecological Information**Toxicity**96hLC₅₀ (fish) >1, ≤10mg/l48hEC₅₀ (daphnia) >1, ≤10mg/l72hLC₅₀ (algae) >1, ≤10mg/l**Persistence and degradability**

No data available.

Mobility in soil

No data available.

PBT and vPvB assessment

No data available.

Bioaccumulative potential

No data available.

Other adverse effects

Toxic to aquatic life with long lasting effects.

13 -Disposal Considerations**Product**

Material is classified as hazardous waste under the Hazardous Waste Regulations 2005 as amended). Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packagingDispose of as unused product.

14 -Transport Information**ADR/RID**

Not classified as hazardous for transport

IMDG

Not classified as hazardous for transport

IATANot classified as hazardous for transport

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15 - Regulatory Information

Label Elements

Pictogram



Signal word

Warning

Hazard statement(s)

H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release to the environment

Other Regulations

Health & Safety at Work etc. Act 1974

Control of Substances Hazardous to Health Regulations 2002 (as amended)

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008 (as amended)

EH40/2005 Workplace Exposure Limits (as amended)

Environmental Protection Act 1990

Hazardous Waste Regulations 2005 (as amended)

16 - Other Information

Text of H-code(s) and R-phrase(s) mentioned in Section 3

H302 Harmful if swallowed.

H315 Causes skin irritation.

H411 Toxic to aquatic life with long lasting effects

R22 Harmful if swallowed

R36/38 Irritating to eyes and skin.

R50/53 Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Recommended restrictions on use

Use in accordance with manufacturer's technical instructions.

Revision History

First Issue

Further Information

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling these products. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Jay House Ltd. (Jay House). However, Jay House makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.