

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity : **Palette Toner - Blue**

Producer / Distributor :

Jay House Ltd., Fiveways House, Westwells Road,
Rudloe, Corsham, Wiltshire, U.K. SN13 9RG
Emergency Tel: 01225 810596 Fax: 01225 811801

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2. COMPOSITION / INGREDIENT INFORMATION

This is a liquid preparation . The main ingredients are

Chemical Name and Symbol letter	%w/w	R-Phrase	S-Phrase	EINEC No	CAS No
Oxalic Acid	4 %			205-634-3	144-62-7
Xn		R21/22	S2-24/25		
Ammonium Iron 111 Sulphate	<10%				7783-837
Xi		R36/38	S26-36		

3. HAZARD IDENTIFICATION

EC classification : **Preparation Not Classified as Hazardous According the CHIP Regulations**
See paragraph 15

Most important hazards :

Possible irritant to eyes and skin may be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation : Move the victim to fresh air. Put person in half sitting position and let rest. In extreme cases seek medical advice.

Skin contact : Flush with plenty of water. Remove contaminated clothing.

Eye contact : Rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.

Ingestion : Rinse mouth with plenty of water. Give victim considerable amounts of water to drink. Do not induce vomiting. In extreme cases seek medical advice.

Other : No typical symptoms and effects known.

Advice to physician :

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Only use extinguishing media which are compatible with the surrounding materials. Water, water spray, Carbon dioxide, dry powder, foam, sand.

Unsuitable extinguishing media :All extinguishing media are allowed.

Special exposure hazards : When product is involved in a fire, irritating, toxic fumes and smoke may be generated. (ammonia, hydrogen chloride and sulphur oxides may be produced at high temperature) Do not breathe these fumes

Hazardous decomposition/combustion products :-Co Co2 Formic Acid

Protective equipment : Use approved positive pressure self-contained breathing apparatus when product is involved in a fire.

Further instructions : Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions :Wear personal protective clothing. (See paragraph 8).
 When vapours, aerosols or mists are formed, wear suitable respiratory protection.
Environmental precautions :In case of an accident, avoid release of product into the environment. Prevent product getting into sewerage systems or public waterways. Try to collect as much as possible in an approved container for later disposal
Methods for cleaning up :Action may only be taken when fully protected. Contain the area of spillage. Stop the source of leak. Large amounts should be pumped into a container. Small amounts can be collected with absorbing materials. Small remaining leftovers may be washed away with large amounts of water

7. HANDLING AND STORAGE

Handling :Working areas and methods should be organised in such a way that direct contact is avoided.Wear protective clothing. Emergency wash and eye rinse facilities must be accessible. When handling chemicals, do not eat, drink or smoke.
Fire and explosion prevention :This preparation contains a lot of water and does not show any flammable or explosive properties. No special fire and explosion prevention procedures are necessary.
Storage requirements :Store in a dry cool, well ventilated place away from all sources of ignition and heating. Keep the package closed if not in use
Other information :Always store in the original container. Do not use the empty contaminated container for any other purposes

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls :Ensure good ventilation and exhaustion of working area
Exposure limits :- Oxalic Acid EH40 = 1mg/M3
 Ammonium Iron 111 Sulphate
 OEL UK: TWA 1mg (FE) / M3
 STEL 2 mg (FE) / M3

Personal protection :Wear suitable Protective clothes gloves.eye face protector
Inhalation :Normally a local ventilation is sufficient to keep airborne concentration of chemicals at a low level. No special breathing protection is necessary
Skin contact :Wear impervious rubber gloves.
Eye contact :Wear close fitting safety goggles.
Ingestion :When handling chemicals do not eat, drink or smoke.
Other information :Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation. Avoid breathing mist or vapour. Avoid contact with eyes and skin. Handle with care.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Liquid
Colour	: blue
Odour	: Odourless
Boiling point/range	: Not determined
Melting point/range	: Not relevant
Flash point	: Not relevant
Flammability	: Not relevant
Auto ignition temperature	: Not relevant
Explosive limits lower	: Not relevant
Oxidising properties	: Not determined
Vapour pressure (20deg C)	: Not determined
Density (20deg C)	: 1.01
Solubility in water (25deg C)	: Completely
Solubility in other solvents (25deg C)	: Not determined

pH value (25deg C)	: 1.5
pH solution in water	: Not determined
Partition coefficient n-octanol/water	: Not determined
Viscosity	: As water
Other information	: -

10. STABILITY AND REACTIVITY

Stability : The product is stable under normal storage conditions

Conditions to avoid : The product is slightly acidic product and contact with alkaline solutions may liberate fumes.

Materials to avoid : Corrosive to various metals

Hazardous decomposition products Only when the product is involved in a fire, or when it is handled incorrectly, is there a possibility that decomposition products will be generated. (See paragraph 5)

11. TOXICOLOGICAL INFORMATION

Acute toxicity : - Oxalic Acid: Oral RAT LD50 : 375 MG/KG

Ammonium Chloride: To the best of our knowledge the best of our knowledge the chemical physical and toxicological properties have not been thoroughly investigated.

Different routes of exposure, health warnings :

Inhalation : Avoid breathing mist, vapour or aerosols. Ventilate as required to keep concentrations low.

Skin contact : Avoid contact with skin.

Eye contact : Can cause irritation.

Ingestion : May be harmful if swallowed.

Other information : -

Experience with humans :

12. ECOLOGICAL INFORMATION

Information about elimination : No data is available yet

Information about environmental compartments :

Ecotoxicity : - High concentrations of Oxalic acid is dangerous to aquatic life

Other information : -

13. DISPOSAL CONSIDERATIONS

Product or contaminated product Dispose of leftovers, waste or contaminated products in accordance with local and national regulations.

Contaminated package : Contaminated package should be disposed of in accordance with local and national regulations.

Other information : We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together

14. TRANSPORT INFORMATION

Labelled in Accordance with CHIP 96 NON HAZARDOUS
 UN No. :-
 Description : **Palette Toner - Blue**
 Containing :-
 ADR/RID Class :- Item :- TREMCARD: -
 IMDG/ADNR Class :- Page :- EmS :-
 Pack.gr: - MFAG :
 ICAO/IATA Class :- Pass< :- Instr. :-
 Pack.gr: - Cargo<:- Instr. :-

15. REGULATORY INFORMATION

Labelled in Accordance with CHIP 96 NON HAZARDOUS
 Chemical identity : -
 Warning sign EC : - None required
 Symbol(s) : - N/A
 R(isk) phrase(s) : None
 S(afety) phrase(s) : S2 Keep out of the reach of children
 S24/25 Avoid contact with skin and eyes
 Exposure limits :- See Paragraph 8
 Other information :-

16. OTHER INFORMATION

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. This product is made for use with Photographic emulsions only and must be used in conjunction with the appropriate instruction sheet. For further technical advice and information contact the manufacturer. Recipients of our product must take responsibility for observing existing laws and regulations.