

## SAFETY DATA SHEET

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

PRODUCT NAME Photo Emulsion Reducer

SUPPLIER Intaglio Printmaker  
9 Playhouse Court  
62 Southwark Bridge Road  
London SE1 0AT  
UK  
Tel: +44 207 928 2633  
[info@intaglioprintmaker.com](mailto:info@intaglioprintmaker.com)

## 2 HAZARDS IDENTIFICATION

Harmful by inhalation and in contact with skin.

CLASSIFICATION (1999/45) Xn;R20/21.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content %	Classification (67/548/EEC)
2-BUTOXYETHYL ACETATE	203-933-3	112-07-2	60-100%	Xn;R20/21

The Full Text for all R-Phrases is Displayed in Section 16

## 4 FIRST-AID MEASURES

## INHALATION

Move into fresh air and keep at rest. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

## INGESTION

Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT induce vomiting. Get medical attention immediately.

## SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

## EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention if any discomfort continues.

## 5 FIRE-FIGHTING MEASURES

## EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

## SPECIAL FIRE FIGHTING PROCEDURES

None.

## UNUSUAL FIRE &amp; EXPLOSION HAZARDS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

## SPECIFIC HAZARDS

None.

## 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

Use protective gloves, goggles and suitable protective clothing. Do not smoke, use open fire or other sources of ignition.

## ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains, water courses or onto the ground.

## SPILL CLEAN UP METHODS

Absorb in vermiculite, dry sand or earth and place into containers. Confirm disposal procedures with environmental engineer and local regulations.

**7 HANDLING AND STORAGE**

**USAGE PRECAUTIONS**

Observe good chemical hygiene practices. Provide good ventilation. Avoid inhalation of vapours/spray and contact with skin and eyes. Container must be kept tightly closed.

**STORAGE PRECAUTIONS**

Store in a cool and well-ventilated place. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHYL ACETATE	WEL	20 ppm(Sk)		50 ppm(Sk)		

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT**



**PROCESS CONDITIONS**

Use engineering controls to reduce air contamination to permissible exposure level.

**ENGINEERING MEASURES**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

**HAND PROTECTION**

Use suitable protective gloves if risk of skin contact.

**EYE PROTECTION**

Wear approved safety goggles.

**HYGIENE MEASURES**

When using do not eat, drink or smoke.

**PERSONAL PROTECTION**

Wear suitable protective clothing as protection against splashing or contamination.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Liquid
COLOUR	Colourless
ODOUR	Ether
BOILING POINT (°C)	192
RELATIVE DENSITY	1.0@ 20 deg C
FLASH POINT (°C)	78

**10 STABILITY AND REACTIVITY**

**STABILITY**

Stable under normal temperature conditions and recommended use.

**CONDITIONS TO AVOID**

Avoid exposure to high temperatures or direct sunlight.

**MATERIALS TO AVOID**

Oxidising material.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**11 TOXICOLOGICAL INFORMATION**

**GENERAL INFORMATION**

Knowledge about health hazard is incomplete. Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

**INHALATION**

Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system. Risk of corneal damage. CNS depressant.

**INGESTION**

May irritate and cause stomach pain, vomiting and diarrhoea. May cause nausea, headache, dizziness and intoxication.

**SKIN CONTACT**

Irritating to skin.

**EYE CONTACT**

Irritating to eyes.

**MEDICAL SYMPTOMS**

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

**SPECIFIC EFFECTS**

May cause damage to the liver and kidneys.

**12 ECOLOGICAL INFORMATION**

**ECOTOXICITY**

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

**13 DISPOSAL CONSIDERATIONS**

**GENERAL INFORMATION**

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**DISPOSAL METHODS**

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

**14 TRANSPORT INFORMATION**

**GENERAL**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**15 REGULATORY INFORMATION**

**LABELLING**



Harmful

**CONTAINS**

2-BUTOXYETHYL ACETATE

**RISK PHRASES**

R20/21

Harmful by inhalation and in contact with skin.

**SAFETY PHRASES**

S36/37

Wear suitable protective clothing and gloves.

S51

Use only in well-ventilated areas.

S60

This material and its container must be disposed of as hazardous waste.

**UK REGULATORY REFERENCES**

The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations. Health and Safety at Work Act 1974.

**EU DIRECTIVES**

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**STATUTORY INSTRUMENTS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Control of Substances Hazardous to Health.

**APPROVED CODE OF PRACTICE**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.

## GUIDANCE NOTES

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

## NATIONAL REGULATIONS

Workplace Exposure Limits 2005 (EH40) The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002. No. 1689.

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**16 OTHER INFORMATION**

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REVISION DATE 21/07/2009

REV. NO./REPL. SDS GENERATED 1

## RISK PHRASES IN FULL

R20/21 Harmful by inhalation and in contact with skin.

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.