



ABC CHEMICAL COMPANY
Chemicals for the International Printing Industry

SAFETY DATA SHEET MANCHEM - POLY PLATE CLEANER

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

PRODUCT NAME MANCHEM - POLY PLATE CLEANER

APPLICATION For use as a plate cleaner in the lithographic printing industry

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2 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact.

CLASSIFICATION R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
2-(2-BUTOXYETHOXY)ETHANOL	203-961-6	112-34-5	5-10%	Xi;R36
METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6		55965-84-9	< 1	T;R23/24/25 C;R34 R43 N;R50/53

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

SPILL CLEAN UP METHODS

Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers. Runoff or release to sewer, waterway or ground is forbidden.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

MANCHEM - POLY PLATE CLEANER**STORAGE PRECAUTIONS**

Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
2-(2-BUTOXYETHOXY)ETHANOL	WEL	10 ppm	67.5 mg/m3	15 ppm	101.2 mg/m3

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

No particular ventilation requirements.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. No specific recommendation made but protection against nuisance mist must be used when the general level exceeds 10mg/m3

HAND PROTECTION

Chemical resistant gloves required for prolonged or repeated contact.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

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 contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. **DO NOT SMOKE IN WORK AREA!**

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
COLOUR	Water-white		
ODOUR	No characteristic odour.		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	100 @ 760 mm Hg	RELATIVE DENSITY	1.04 @ 20
VOLATILE BY VOL. (%)	86	pH-VALUE, CONC. SOLUTION	4.5
FLASH POINT (°C)	N/A		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Strong alkalis.

HAZARDOUS POLYMERISATION

Will not polymerise.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). silicon dioxide

11 TOXICOLOGICAL INFORMATION**INHALATION**

May cause irritation to the respiratory system.

MANCHEM - POLY PLATE CLEANER**INGESTION**

May cause discomfort if swallowed.

SKIN CONTACT

May cause sensitisation by skin contact. The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals after repeated contact.

EYE CONTACT

Splashes may irritate.

HEALTH WARNINGS

This substance is a moderate irritant.

MEDICAL SYMPTOMS

Irritation of eyes and mucous membranes. Skin irritation.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Little danger to the environment. The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. However, this preparation has not been classified as hazardous to the environment using the conventional method calculation. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

DEGRADABILITY

This cleaning preparation does not contain any surfactants.

13 DISPOSAL CONSIDERATIONS**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**

Irritant

CONTAINS

METHYL-2H or METHYL-4 (3:1) Mixture of EC NO 220-239-6

RISK PHRASES

R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S24 Avoid contact with skin.
S37 Wear suitable gloves.
S60 This material and its container must be disposed of as hazardous waste.

DETERGENT LABELLING

Contains 2-BROMO-2-NITROPROPANE-1,3-DIOL, C.I.T. (EC No. 247-500-7) & M.I.T. (EC No. 220-239-6) (3:1 Mix)

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations. The Control of Substances Hazardous to Health Regulations 1988.

EU DIRECTIVES

System of specific information relating to Dangerous Preparations. 2001/58/EC. System of Specific Information relating to Dangerous Preparations. 91/155/EEC

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

GUIDANCE NOTES

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

MANCHEM - POLY PLATE CLEANER**16 OTHER INFORMATION****INFORMATION SOURCES**

Croner's: Dangerous Substances. Croner's: Emergency Spillage Guide. Croner's: Emergency First Aid Guide. Croner's: Substances Hazardous to Health. Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

Section 8 updated Section 9 updated Section 12 updated. This safety data sheet supersedes all issues before 1 November 2007.

ISSUED BY

J Waterfield

REVISION DATE February 08

REV. NO./REPL. SDS GENERATED 5 - July 02 / May 04 / Mar 07

DATE February 08

RISK PHRASES IN FULL

R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R34	Causes burns.
R36	Irritating to eyes.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.