



**ABC CHEMICAL COMPANY**  
Chemicals for the International Printing Industry

## SAFETY DATA SHEET METER-X

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

PRODUCT NAME	METER-X		
APPLICATION	For use as a roller cleaner in the lithographic printing industry		
SUPPLIER	ABC CHEMICAL COMPANY DEANFIELD WAY LINK 59 BUSINESS PARK CLITHEROE LANCS BB7 1QU Tel: +44 (0)1200 420180 (09:00-17:00) Fax: +44 (0)1200 426178 info@abcchem.com	MANUFACTURER	Same as supplier

### 2 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Harmful: may cause lung damage if swallowed.

CLASSIFICATION Xn;R65. Carc 3;R40. N;R51/53. R66, R67.

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	1-5%	R10 Xn;R20 Xi;R36/37/38 N;R51/53
DIPROPYLENE GLYCOL MONOMETHYL ETHER	252-104-2	34590-94-8	50-70%	-
MESITYLENE	203-604-4	108-67-8	< 1	R10 Xi;R37 N;R51/53
NAPHTHALENE	202-049-5	91-20-3	1-5%	Carc. Cat. 3;R40 Xn;R22 N;R50/53
SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC	265-198-5	64742-94-5	10-30%	Xn;R65. N;R51/53. R66,R67.

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. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

#### INGESTION

DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

#### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. 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. Contact physician if irritation persists.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Use: Carbon dioxide (CO<sub>2</sub>). Alcohol resistant foam. Dry chemicals, sand, dolomite etc. DO NOT use water if avoidable.

#### SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Containers close to fire should be removed or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control. If risk of water pollution occurs, notify appropriate authorities.

**METER-X****PROTECTIVE MEASURES IN FIRE**

Wear full protective clothing.

**6 ACCIDENTAL RELEASE MEASURES****PERSONAL PRECAUTIONS**

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

**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground.

**SPILL CLEAN UP METHODS**

Avoid contact with skin or inhalation of spillage, dust or vapour. 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. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

**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
1,2,4-TRIMETHYLBENZENE	WEL	25 ppm	125 mg/m3		
DIPROPYLENE GLYCOL MONOMETHYL ETHER	WEL	50 ppm(Sk)	308 mg/m3(Sk)		
NAPHTHALENE		10 ppm	53 mg/m3	15 ppm	80 mg/m3
SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC	SUP	17 ppm	100 mg/m3		

**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits SUP = Supplier's recommendation. Aromatic Naphtha is a complex mixture containing some of the components listed above with recognised WEL values -The exposure limit calculated by the supplier is based on a calculation including all the components of the mixture.

**PROTECTIVE EQUIPMENT****ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

**RESPIRATORY EQUIPMENT**

Respiratory protection must be used if air contamination exceeds acceptable level.

**HAND PROTECTION**

Use protective gloves made of: Polyvinyl alcohol (PVA). Viton rubber (fluor rubber).

**EYE PROTECTION**

Use approved safety goggles or face shield.

**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 with soap & water if skin becomes 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	Blue

**METER-X**

ODOUR	Characteristic		
SOLUBILITY	Miscible with water.		
BOILING POINT (°C)	100 @ 760 mm Hg	RELATIVE DENSITY	0.95 @ 20
VOLATILE BY VOL. (%)	91.0	FLASH POINT (°C)	70 P/M Pinsky-Martens.

**10 STABILITY AND REACTIVITY****STABILITY**

Stable under normal temperature conditions.

**CONDITIONS TO AVOID**

Avoid heat. Avoid contact with oxidisers or reducing agents.

**HAZARDOUS POLYMERISATION**

Will not polymerise.

**HAZARDOUS DECOMPOSITION PRODUCTS**

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**11 TOXICOLOGICAL INFORMATION****INHALATION**

May cause irritation to the respiratory system. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

**INGESTION**

Harmful: may cause lung damage if swallowed. May cause discomfort if swallowed.

**SKIN CONTACT**

Liquid may irritate skin. Product has a defatting effect on skin. Contains ingredients which may penetrate the skin.

**EYE CONTACT**

Splashes may irritate.

Name NAPHTHALENE

Toxicological information

Exposure to high concentrations of naphthalene may cause destruction of red blood cells, anaemia and cataracts. Naphthalene caused cancer in laboratory animal studies, but the relevance of these findings to humans is questionable.

**12 ECOLOGICAL INFORMATION****ECOTOXICITY**

Not known. The product contains substances which are toxic to aquatic organisms and which may cause long term adverse effects in the aquatic 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.

**DEGRADABILITY**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Name SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC

LC 50, 96 Hrs, FISH mg/l 2-5

EC 50, 48 Hrs, DAPHNIA, mg/l 3-10

IC 50, 72 Hrs, ALGAE, mg/l 1-3

**Mobility**

The product is insoluble in water and will spread on the water surface. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

**Degradability**

Inherently biodegradable.

**13 DISPOSAL CONSIDERATIONS****DISPOSAL METHODS**

Incinerate in suitable combustion chamber. Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**

METER-X



UK ROAD CLASS	9		
PROPER SHIPPING NAME	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS PETROLEUM DISTILLATES)		
UN NO. ROAD	3082	UK ROAD PACK GR.	III
ADR CLASS NO.	9	ADR CLASS	Class 9: Miscellaneous dangerous substances and articles.
ADR PACK GROUP	III	HAZARD NO. (ADR)	90 Environmentally hazardous substance; miscellaneous dangerous substances.
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	90G01
RID CLASS NO.	9	RID PACK GROUP	III
UN NO. SEA	3082	IMDG CLASS	9
IMDG PACK GR.	III	EMS	F-A, S-F
MARINE POLLUTANT		UN NO. AIR	3082



AIR CLASS	9	AIR PACK GR.	III
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**15 REGULATORY INFORMATION**

LABELLING



Harmful



Dangerous for the environment

CONTAINS

NAPHTHALENE  
 SOLVENT NAPHTHA (PETROLEUM) HEAVY AROMATIC

RISK PHRASES

R40	Limited evidence of a carcinogenic effect.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S36/37	Wear suitable protective clothing and gloves.
S57	Use appropriate containment to avoid environmental contamination.
S60	This material and its container must be disposed of as hazardous waste.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

DETERGENT LABELLING

15-30%	Aromatic hydrocarbons
5-15%	Non-ionic surfactants

EU DIRECTIVES

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

**METER-X**

## 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.

## GUIDANCE NOTES

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

**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 1 Updated Section 2 updated. Section 3 updated Section 11 updated Section 15 updated. This safety data sheet supersedes all issues before 1 November 2007.

## ISSUED BY

J Waterfield

REVISION DATE January 08

REV. NO./REPL. SDS GENERATED 9- July 02 / Feb 04 / July 05 / Oct 06

DATE January 08

## RISK PHRASES IN FULL

NC	Not classified.
R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R36/37/38	Irritating to eyes, respiratory system and skin.
R37	Irritating to respiratory system.
R40	Limited evidence of a carcinogenic effect.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

## 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.