



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

## SAFETY DATA SHEET

### SMASH

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

PRODUCT NAME	SMASH		
PRODUCT NO.	SMASH		
APPLICATION	For use as a blanket treatment in the lithographic printing industry		
SUPPLIER	ABC CHEMICAL COMPANY	MANUFACTURER	ABC CHEMICAL COMPANY
	CASTLE HILL		CASTLE HILL
	TODMORDEN		TODMORDEN
	LANCS OL14 5TD		LANCS OL14 5TD
	01706 818800		01706 818800
	01706 819554		01706 819554

#### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
1,2,4-TRIMETHYLBENZENE	202-436-9	95-63-6	< 1	R10 Xn;R20 Xi;R36/37/38 N;R51,R53
AROMATIC NAPHTHA	265-199-0	64742-95-6	1-5%	Xn;R20,R65. Xi;R36/37/38. N;R51/53. R10.
CUMENE	202-704-5	98-82-8	< 1	R10 Xn;R65 Xi;R37 N;R51,R53
DICHLOROMETHANE	200-838-9	75-09-2	70-90%	Carc3;R40
MESITYLENE	203-604-4	108-67-8	< 1	R10 Xi;R37 N;R51,R53

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

#### 3 HAZARDS IDENTIFICATION

Limited evidence of a carcinogenic effect. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
CLASSIFICATION Carc 3;R40. R52/53.

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. Perform artificial respiration if breathing has stopped. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

##### INGESTION

Remove victim immediately from source of exposure. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

##### SKIN CONTACT

Remove affected person from source of contamination. Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention promptly if symptoms occur after washing.

##### EYE CONTACT

Remove victim immediately from source of exposure. 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 and get medical attention.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

##### SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. Cool containers exposed to flames with water until well after the fire is out. If risk of water pollution occurs, notify appropriate authorities.

## SMASH

### UNUSUAL FIRE & EXPLOSION HAZARDS

May develop highly toxic or corrosive fumes if heated. May form explosive or toxic mixtures with air.

## 6 ACCIDENTAL RELEASE MEASURES

### SPILL CLEAN UP METHODS

Wear necessary protective equipment. Ventilate well. 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. Wear full protective clothing for prolonged exposure and/or high concentrations.

### STORAGE PRECAUTIONS

May attack some plastics, rubber and coatings. Store in tightly closed original container in a cool, dry well-ventilated place.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
CUMENE	OES	25 ppm(Sk)	125 mg/m3(Sk)	50 ppm(Sk)	250 mg/m3(Sk)
DICHLOROMETHANE	MEL	100 ppm(Sk)	350 mg/m3(Sk)	300 ppm(Sk)	1060 mg/m3(Sk)

### INGREDIENT COMMENTS

OES = Occupational Exposure Standard.

### PROTECTIVE EQUIPMENT



### ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

### RESPIRATORY EQUIPMENT

Supplied-air respirator. Self-contained breathing apparatus.

### HAND PROTECTION

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

### EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

### HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap & water if skin 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	Viscous Liquid		
COLOUR	White / off-white		
ODOUR	Chlorinated hydrocarbons.		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	42 760 mm Hg	RELATIVE DENSITY	1.3 20
VOLATILE BY VOL. (%)	96.5	FLASH POINT (°C)	n/a

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under normal temperature conditions.

### CONDITIONS TO AVOID

Avoid heat. Avoid contact with oxidisers or reducing agents.

**SMASH****HAZARDOUS POLYMERISATION**

Will not polymerise.

**HAZARDOUS DECOMPOSITION PRODUCTS**Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Hydrogen chloride (HCl). Phosgene (COCl<sub>2</sub>).**11 TOXICOLOGICAL INFORMATION****HEALTH WARNINGS**

**INHALATION.** May cause irritation to the respiratory system. Solvent vapours are hazardous and may cause nausea, sickness and headaches. **SKIN CONTACT.** Acts as a defatting agent on skin. May cause cracking of skin, and eczema. **EYE CONTACT.** May cause severe irritation to eyes. **INGESTION.** May cause stomach pain or vomiting.

**TARGET ORGANS**

Skin. Eyes. Respiratory system, lungs.

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

Not known.

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

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

**14 TRANSPORT INFORMATION**

PROPER SHIPPING NAME      DICHLOROMETHANE

**14 TRANSPORT INFORMATION**

ADR CLASS NO.	6.1	UN NO. ROAD	1593
ADR PACK GROUP	15(c)	ADR CLASS	Class 6.1: Toxic substances.
HAZCHEM CODE	2[Z]	ADR LABEL NO.	6.1A
RID CLASS NO.	6.1	CEFIC TEC(R) NO.	720
UN NO. SEA	1593	RID PACK GROUP	15(c)
IMDG PACK GR.	III	IMDG CLASS	6.1
ICAO CLASS	6.1	UN NO. AIR	1593
		AIR PACK GR.	III

**15 REGULATORY INFORMATION****LABELLING**

Harmful

**CONTAINS**

DICHLOROMETHANE

**RISK PHRASES**

R40	Limited evidence of a carcinogenic effect.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S36/37	Wear suitable protective clothing and gloves.
S60	This material and its container must be disposed of as hazardous waste.

**EU DIRECTIVES**

System of specific information relating to Dangerous Preparations. 2001/58/EEC.

## SMASH

### APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply.

### GUIDANCE NOTES

Occupational Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

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## 16 OTHER INFORMATION

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### 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

This data sheet supercedes all issues before 01/Jan/04

REVISION DATE January 04

REV. NO./REPL. SDS GENERATED 4 - 08/02

DATE January 04

### RISK PHRASES IN FULL

R10 Flammable.

R20 Harmful by inhalation.

R36/37/38 Irritating to eyes, respiratory system and skin.

R37 Irritating to respiratory system.

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.