



## SAFETY DATA SHEET

### AUTOTYPE DIAZO SYRUP SENSITISER

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

PRODUCT NAME	AUTOTYPE DIAZO SYRUP SENSITISER		
APPLICATION	Sensitiser for AUTOTYPE Autosol Classic emulsion, used in screen printing.		
MANUFACTURER	MacDermid Autotype Inc. 701 Industrial Drive Middletown, DE 19709	SUPPLIER	Screentec Corp.. 930 Westport Crescent, Mississauga, ON L5T 1G1
	T: +1 847-818-8262 F: +1 847-818-8280		T: +1 905-670-7042 F: +1 905-670-7046
EMERGENCY TELEPHONE	Chemtrec: 1-800 424-9300		
CONTAINER SIZE	6.25g & 12.5g bottles		

#### 2 HAZARDS IDENTIFICATION

Harmful if swallowed. Causes burns.

CLASSIFICATION Xn;R22. C;R34.

##### HUMAN HEALTH

Corrosive. Prolonged contact causes serious eye and tissue damage.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
DIPHENYLAMINE-4-DIAZO SULPHATE / PARAFORMALDEHYDE CONDENSATE		71550-43-1	30-60%	Xn;R22. Xi;R36.
PHOSPHORIC ACID ...%	231-633-2	7664-38-2	30-60%	C;R34

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

#### 4 FIRST-AID MEASURES

##### INHALATION

Remove victim immediately from source of exposure. Keep the affected person warm and at rest. Get prompt medical attention.

##### INGESTION

Immediately rinse mouth and drink plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions.

##### SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. 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. Get medical attention immediately. Continue to rinse.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

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

#### 6 ACCIDENTAL RELEASE MEASURES

##### PERSONAL PRECAUTIONS

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

## AUTOTYPE DIAZO SYRUP SENSITISER

### ENVIRONMENTAL PRECAUTIONS

Do not allow ANY environmental contamination.

### SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area.

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

### STORAGE PRECAUTIONS

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

### STORAGE CLASS

Corrosive storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
PHOSPHORIC ACID ...%	WEL		1 mg/m3		2 mg/m3

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

### PROTECTIVE EQUIPMENT



### PROCESS CONDITIONS

Provide eyewash, quick drench.

### ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapors.

### RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

### HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

### EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

### OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

### HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! 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. When using do not eat, drink or smoke.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	RELATIVE DENSITY	1.55
COLOUR	Brown	pH-VALUE, CONC. SOLUTION	2-3
ODOUR	Mild	FLASH POINT (°C)	N/A
BOILING POINT (°C)	>100	VOLATILE ORGANIC COMPOUND (VOC)	N/A
VAPOUR PRESSURE	N/A		
VISCOSITY	20-50 Ps		
AUTO IGNITION	N/A		
TEMPERATURE (°C)			

## 10 STABILITY AND REACTIVITY

## AUTOTYPE DIAZO SYRUP SENSITISER

## STABILITY

Stable under normal temperature conditions.

## CONDITIONS TO AVOID

Avoid contact with: Alkaline substances, heating and moisture.

## HAZARDOUS DECOMPOSITION PRODUCTS

By heating, vapors/gases hazardous to health may be formed.

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50                      Phosphoric acid = 1530 mg/kg (oral rat)

## INHALATION

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

## INGESTION

May cause burns in mucous membranes, throat, oesophagus and stomach.

## SKIN CONTACT

May cause serious chemical burns of the skin.

## EYE CONTACT

Causes burns.

## 12 ECOLOGICAL INFORMATION

## ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

LC 50, 96 Hrs, FISH mg/l                      100-1000 ppm

## MOBILITY

The product is soluble in water.

## BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

## DEGRADABILITY

The product is expected to be biodegradable.

## 13 DISPOSAL CONSIDERATIONS

## DISPOSAL METHODS

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

## 14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	Corrosive Liquids NOS (Phosphoric Acid)		
PROPER SHIPPING NAME	EC No 231-633-2		
UN NO. ROAD	1760	UK ROAD PACK GR.	III
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2X
CEFIC TEC(R) NO.	80GC9-II+III	RID CLASS NO.	8
RID PACK GROUP	III	UN NO. SEA	1760
IMDG CLASS	8	IMDG PACK GR.	III
EMS	F-A, S-B	MARINE POLLUTANT	No.

REVISION DATE: 01/01/2009

REV. NO./REPL. SDS GENERATED : 3

**AUTOTYPE DIAZO SYRUP SENSITISER**

UN NO. AIR	1760	AIR CLASS	8
AIR PACK GR.	III		

**15 REGULATORY INFORMATION**

## LABELLING



Corrosive



Harmful

## CONTAINS

DIPHENYLAMINE-4-DIAZO SULPHATE / PARAFORMALDEHYDE CONDENSATE  
PHOSPHORIC ACID 40%

## RISK PHRASES

R22 Harmful if swallowed.  
R34 Causes burns.

## SAFETY PHRASES

S23 Do not breathe vapor/spray.  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S38 In case of insufficient ventilation, wear suitable respiratory equipment.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).  
S60 This material and its container must be disposed of as hazardous waste.

## STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

## APPROVED CODE OF PRACTICE

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

## GUIDANCE NOTES

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

**16 OTHER INFORMATION**

REVISION DATE	01/01/2009 – Date revision
REV. NO./REPL. SDS GENERATED	SDS #3 – Replaces SDS #2
RISK PHRASES IN FULL	
R22	Harmful if swallowed.
R34	Causes burns.
R36	Irritating to eyes.

**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.