



SAFETY DATA SHEET AUTOTYPE ACTIVATOR SOLUTION

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

| | | | |
|---------------------|--|--------------|--|
| PRODUCT NAME | AUTOTYPE ACTIVATOR SOLUTION | | |
| CHEMICAL NAME | Hydrogen Peroxide Solution | | |
| APPLICATION | Fixing agent for gelatine photostencil films | | |
| SUPPLIER | Screentec Corp. 930 Westport Crescent, Mississauga, ON L5T 1G1 T: +1 905-670-7042 F: +1 905-670-7046 | MANUFACTURER | MacDermid Autotype, Inc. 701 Industrial Drive, Middletown, DE 19709 T: +1 847-818-8262 F: +1 847-818-8280 |
| EMERGENCY TELEPHONE | Chemtrec: 1-800-424-9300 | | |

2 HAZARDS IDENTIFICATION

Irritating to eyes.

CLASSIFICATION Xi;R36.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|----------------------------------|-----------|-----------|---------|-------------------------|
| HYDROGEN PEROXIDE SOLUTION ... % | 231-765-0 | 7722-84-1 | 5-10% | R5 O;R8 C;R35 Xn;R20/22 |

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

4 FIRST-AID MEASURES

INHALATION

Consult a physician for specific advice. Move the exposed person to fresh air at once.

INGESTION

Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and take these instructions.

SKIN CONTACT

Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

The product is non-combustible.

SPECIAL FIRE FIGHTING PROCEDURES

No specific fire fighting procedure given.

UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING!

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

AUTOTYPE ACTIVATOR SOLUTION

PERSONAL PRECAUTIONS

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

ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

SPILL CLEAN UP METHODS

Small quantities may be flushed to drains with plenty of water.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes.

USAGE DESCRIPTION

Refer to Product Data Sheet and Usage Instructions

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry and cool place. Oxidising material - Keep away from flammable and combustible materials. Keep away from direct sunlight, heat or chemical contamination Do NOT rebottle used solution

STORAGE CLASS

Oxidiser storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | TWA - 8 hrs | | STEL - 15 min | | Notes |
|----------------------------------|-----|-------------|-----------|---------------|-----------|-------|
| | | | | | | |
| HYDROGEN PEROXIDE SOLUTION ... % | WEL | 1 ppm | 1.4 mg/m3 | 2 ppm | 2.8 mg/m3 | |

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Protective gloves should be used if there is a risk of direct contact or splash. PVC or rubber gloves are recommended.

EYE PROTECTION

Wear goggles/face shield.

PERSONAL PROTECTION

Wear suitable protective overalls.

SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--------------------|--------------------------|--------------------------------|-------|
| APPEARANCE | Colourless liquid | | |
| COLOUR | Colourless | | |
| ODOUR | No characteristic odour. | | |
| SOLUBILITY | Soluble in water | | |
| BOILING POINT (°C) | 100 | MELTING POINT (°C) | N/A |
| RELATIVE DENSITY | 1.0 20 | VAPOUR DENSITY (air=1) | N/A |
| VAPOUR PRESSURE | AS WATER | pH-VALUE, CONC. SOLUTION | 5 - 6 |
| VISCOSITY | N/A | DECOMPOSITION TEMPERATURE (°C) | 60 |
| FLASH POINT (°C) | N/A | | |

AUTOTYPE ACTIVATOR SOLUTION

| | | | |
|---------------------------------|-----|---|----------|
| AUTO IGNITION TEMPERATURE (°C) | N/A | FLAMMABILITY LIMIT - LOWER(%) | N/A |
| FLAMMABILITY LIMIT - UPPER(%) | N/A | SOLUBILITY VALUE (g/100g H ₂ O@20°C) | COMPLETE |
| VOLATILE ORGANIC COMPOUND (VOC) | 0 | | |

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid exposure to high temperatures or direct sunlight. Avoid contact with oxidisers or reducing agents. Avoid contact with acids and alkalis.

HAZARDOUS POLYMERISATION

Will not polymerise.

MATERIALS TO AVOID

Strong acids. Bases, alkalies (inorganic). Strong oxidising substances. Strong reducing agents. Powdered metal. Other metals or alloys.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxygen.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 H₂O₂ = 4060 mg/kg (ipr-rat)

TOXIC DOSE 2 - LD 50 H₂O₂ = 1232 mg/kg (oral rat)

INHALATION

Not relevant at normal room temperatures. When heated, irritating vapours may be formed.

INGESTION

Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating and may cause redness and pain. Risk of corneal damage.

HEALTH WARNINGS

May cause chemical burns in mouth and throat.

12 ECOLOGICAL INFORMATION

LC 50, 96 Hrs, FISH mg/l 16.4

EC 50, 48 Hrs, DAPHNIA, mg/l 2.4

MOBILITY

The product is soluble in water.

BIOACCUMULATION

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

DEGRADABILITY

The product is biodegradable.

WATER HAZARD CLASSIFICATION

WGK 2

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste is classified as hazardous waste.

DISPOSAL METHODS

Contact specialist disposal companies.

AUTOTYPE ACTIVATOR SOLUTION

WASTE CLASS
EWC 09 01 99

14 TRANSPORT INFORMATION

GENERAL The product is not hazardous for shipment.

15 REGULATORY INFORMATION

LABELLING



Irritant

RISK PHRASES

R36 Irritating to eyes.

SAFETY PHRASES

S23 Do not breathe vapour/spray.

S25 Avoid contact with eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S38 In case of insufficient ventilation, wear suitable respiratory equipment.

S60 This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

REVISION DATE 01/01/2009

REV. NO./REPL. SDS 1
GENERATED

RISK PHRASES IN FULL

R20/22 Harmful by inhalation and if swallowed.

R35 Causes severe burns.

R37 Irritating to respiratory system.

R5 Heating may cause an explosion.

R8 Contact with combustible material may cause fire.

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 with 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.