



SAFETY DATA SHEET
AUTOTYPE ACTIVATOR POWDER

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

PRODUCT NAME AUTOTYPE ACTIVATOR POWDER
CHEMICAL NAME Contains hydrogen peroxide of crystallisation.
APPLICATION Fixing agent for gelatine photostencil films
SUPPLIER Screentec Corp. MANUFACTURER MacDermid Autotype.
930 Westport Crescent 701 Industrial Dr,
Mississauga, ON L5T 1G1 Middletown, DE 19709
T: +1 905-670-7042 T: +1 847-818-8262
F: +1 905-670-7046 F: +1 847-818-8280
EMERGENCY TELEPHONE Chemtrec: +1 800-424-9300

2 HAZARDS IDENTIFICATION

Contact with combustible material may cause fire. Causes burns.

CLASSIFICATION C;R34. O;R8.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
UREA HYDROGEN PEROXIDE	204-701-4	124-43-6	60-100%	C;R34. O;R8.

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

EC No. 204-701-4
CAS-No. 124-43-6

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

Extinguish with alcohol-resistant foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control. Containers close to fire should be removed or cooled with water.

UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING!

SPECIFIC HAZARDS

By fire, toxic gases may be formed (COx, NOx).

AUTOTYPE ACTIVATOR POWDER

PROTECTIVE MEASURES IN FIRE

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

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

Keep combustibles away from spilled material. Shovel into dry containers. Cover and move the containers. Flush the area with 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. Flammable solid storage. Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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.

ENVIRONMENTAL EXPOSURE CONTROLS

10 mg/m3 as dust

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Crystalline powder		
COLOUR	White / off-white		
ODOUR	No characteristic odour.		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	N/A	MELTING POINT (°C)	d >60
RELATIVE DENSITY	0.65 20	VAPOUR DENSITY (air=1)	N/A
VAPOUR PRESSURE	N/A	pH-VALUE, CONC. SOLUTION	5 - 6
VISCOSITY	N/A		

AUTOTYPE ACTIVATOR POWDER

DECOMPOSITION TEMPERATURE (°C)	60	FLASH POINT (°C)	N/A
AUTO IGNITION TEMPERATURE (°C)	N/A	FLAMMABILITY LIMIT - LOWER(%)	N/A
FLAMMABILITY LIMIT - UPPER(%)	N/A	SOLUBILITY VALUE (g/100g H2O@20°C)	50
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 alkalies.

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

By fire, toxic gases (CO, CO₂, NO_x) may be formed. 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

Corrosive. Even small amounts may cause serious damage. Swallowing concentrated chemical may cause severe internal injury. Causes burns.

SKIN CONTACT

Causes burns.

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 POWDER

WASTE CLASS
EWC 09 01 99

14 TRANSPORT INFORMATION



UK ROAD CLASS	5.1		
PROPER SHIPPING NAME	UREA HYDROGEN PEROXIDE		
UN NO. ROAD	1511	UK ROAD PACK GR.	III
ADR CLASS NO.	5.1	ADR CLASS	Class 5.1: Oxidising substances.
ADR PACK GROUP	III	HAZARD No. (ADR)	58
ADR LABEL NO.	5.1 & 8	HAZCHEM CODE	1X
CEFIC TEC(R) NO.	51GOC2-I+II+III	RID CLASS NO.	5.1
RID PACK GROUP	III	UN NO. SEA	1511
IMDG CLASS	5.1	IMDG PACK GR.	III
EMS	F-A, S-Q	MARINE POLLUTANT	No.
UN NO. AIR	1511	AIR CLASS	5.1
AIR SUB CLASS	8	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Corrosive



Oxidising

CONTAINS

UREA HYDROGEN PEROXIDE

RISK PHRASES

R8 Contact with combustible material may cause fire.
R34 Causes burns.

SAFETY PHRASES

S3/7 Keep container tightly closed in a cool place.
S17 Keep away from combustible material.
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.
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.

16 OTHER INFORMATION

REVISION DATE 010/01/2009

REV. NO./REPL. SDS
GENERATED 1

RISK PHRASES IN FULL

R34 Causes burns.
R8 Contact with combustible material may cause fire.