

Revision Date 05/19/2015

Revision 3



## SAFETY DATA SHEET ACTIVATOR SOLUTION

### 1. IDENTIFICATION

<b>Product Name</b>	ACTIVATOR SOLUTION
<b>Identified uses</b>	Industrial use: Screen printing
<b>Uses advised against</b>	The product should not be used for any purpose, other than that described above.
<b>Supplier</b>	MacDermid Autotype Inc. 1675 Winnetka Circle, Rolling Meadows, IL 60008, USA T: 001 847 818 8262 F: 001 847 818 8280 e: SDS@macdermidautotype.com
<b>Emergency Telephone</b>	800-424-9300 (Chemtrec, 24 hours)

### 2. HAZARD(S) IDENTIFICATION

#### EMERGENCY OVERVIEW

This Product is Hazardous under the OSHA Hazard Communication Standard. This product is hazardous under the Workplace Hazardous Materials Information System (WHMIS)

GHS Pictogram



<b>Signal Word</b>	Danger	
<b>Hazard Statements</b>	H318	Causes serious eye damage.
<b>Precautionary Statements</b>	P280	Wear eye protection.
<b>GHS Classification</b>	Physical and Chemical Hazards	Not classified.
	Human health	Eye Dam. 1 - H318
	Environment	Not classified.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

HYDROGEN PEROXIDE SOLUTION ... %	5-10%
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CAS No.: 7722-84-1

EC No.: 231-765-0

GHS Classification

Ox. Liq. 1 - H271; Acute Tox. 4 - H302; Acute Tox. 4 - H332; Skin Corr. 1A - H314; STOT SE 3 - H335

### 4. FIRST-AID MEASURES

Description of first aid measures

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### Inhalation

Unlikely route of exposure as the product does not contain volatile substances. In case of inhalation of spray mist: Move person into fresh air and keep at rest. Get medical attention if any discomfort continues.

### Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). Give milk instead of water if readily available. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues.

### Skin Contact

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

### Eye Contact

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

### Most important symptoms and effects, both acute and delayed

#### Inhalation

No specific symptoms noted.

#### Ingestion

May cause stomach pain or vomiting.

#### Skin Contact

Prolonged skin contact may cause redness and irritation.

#### Eye Contact

Irritating and may cause redness and pain.

### Indication of any immediate medical attention and special treatment needed

#### Notes To The Physician

No specific first aid measures noted.

## 5. FIRE-FIGHTING MEASURES

#### Auto Ignition Temperature (°C)

Not available.

#### Flammability Limit - Lower(%)

Not available.

#### Flammability Limit - Upper(%)

Not available.

#### Flash point (°C)

Not available.

#### Extinguishing Media

Extinguish with foam, carbon dioxide, dry powder or water fog.

#### Unsuitable extinguishing media

None known.

#### Hazardous combustion products

Fire creates: Oxygen.

#### Protective Equipment For Fire-Fighters

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

## 6. ACCIDENTAL RELEASE MEASURES

#### Personal Precautions

Avoid inhalation of spray mist and contact with skin and eyes. Wear protective clothing as described in Section 8 of this material safety data sheet.

#### Environmental Precautions

Avoid discharge into water courses or onto the ground.

#### Spill Clean Up Methods

Stop leak if possible without risk. Collect spillage with granulates, sawdust, rags or other absorbent.

## 7. HANDLING AND STORAGE

#### Handling

Avoid contact with skin and eyes. Do not eat, drink or smoke when using the product. Promptly remove any clothing that becomes wet. Wash promptly if skin becomes wet.

#### Storage

Store in tightly closed original container in a dry and cool place. Protect from light, including direct sunrays.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
HYDROGEN PEROXIDE SOLUTION ... %	ACGIH	1 ppm				A3
HYDROGEN PEROXIDE SOLUTION ... %	PEL	1 ppm	1.4 mg/m <sup>3</sup>	-	-	
COMPONENT						IDLH
HYDROGEN PEROXIDE SOLUTION ... %						75 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.

### Engineering Measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

### Respiratory Equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Occupational Exposure Limit

### Hand Protection

Wear protective gloves. Butyl rubber gloves are recommended. Neoprene gloves are recommended. Nitrile gloves are recommended.

### Eye Protection

Wear approved, tight fitting safety glasses where splashing is probable.

### Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Colourless liquid.
<b>Color</b>	Colourless.
<b>Odor</b>	No characteristic odor.
<b>Solubility</b>	Miscible with water
<b>Initial boiling point and boiling range</b>	Not available.
<b>Melting point (°C)</b>	Not applicable.
<b>Relative density</b>	1.0 g/ml @ 20 °C (68 °F)
<b>Vapor density (air=1)</b>	Not applicable.
<b>Vapor pressure</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>pH-Value, Conc. Solution</b>	5 - 6
<b>Viscosity</b>	Not available.
<b>Decomposition temperature (°C)</b>	60 °C (140 °F)
<b>Flash point</b>	Not available.
<b>Auto Ignition Temperature (°C)</b>	Not available.
<b>Flammability Limit - Lower(%)</b>	Not available.
<b>Flammability Limit - Upper(%)</b>	Not available.
<b>Oxidising properties</b>	Does not meet the criteria for oxidising.

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts strongly with strong acids, bases, organic chemicals and certain metal combinations.

### Stability

Stable under normal temperature conditions and recommended use.

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None known.

### Conditions To Avoid

Avoid exposure to high temperatures or direct sunlight.

### Materials To Avoid

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

### Hazardous Decomposition Products

None at ambient temperatures.

## 11. TOXICOLOGICAL INFORMATION

### Toxicological information

No data recorded.

## 12. ECOLOGICAL INFORMATION

### Toxicity

The product is not expected to be hazardous to the environment.

### Degradability

The product is biodegradable.

### Bioaccumulative potential

The product is not bio-accumulating.

### Mobility:

Mobile. The product is miscible with water. May spread in water systems.

### Other adverse effects

None known.

## 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Contact specialist disposal companies. Liquid components can be disposed of by incineration. Small quantities in an industrial wastewater stream are easily treated in biological treatment systems.

### Waste Class

Not classified as hazardous waste under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261

## 14. TRANSPORT INFORMATION

### General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

### Transport Labels

No transport warning sign required.

### Environmentally Hazardous Substance/Marine Pollutant

No.

## 15. REGULATORY INFORMATION

### US Federal Regulations

#### Federal Regulations Comments

TSCA: The ingredients of this product are on the TSCA Inventory.

### US State Regulations

#### State Regulations Comments

State and local regulations may apply.

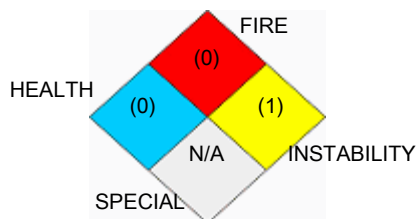
## 16. OTHER INFORMATION

## ACTIVATOR SOLUTION

### HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

HEALTH		1
FLAMMABILITY		0
PHYSICAL		1
PERSONAL PROTECTION		B

### NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



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#### 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.