

Material Safety Data Sheet

Material Name: Activator Powder

ID: AUTO-018

*** Section 1 - Chemical Product and Company Identification ***

Product Use: Hardener for Gelatin Stencils

Manufacturer Information

Autotype Americas, Inc.
2050 Hammond Drive
Schaumburg, IL 60173

Phone: 847-303-5900

Emergency # 800-424-9300 (CHEMTREC)

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
124-43-6	Urea peroxide	100

Component Information/Information on Non-Hazardous Components

This material is a controlled product under Canadian WHMIS regulations.

*** Section 3 - Hazards Identification ***

Emergency Overview

WARNING! This product is a white powder without an odor. Contact with this material may cause severe irritation or burns to the skin, eyes and mucous membranes. Oxidizing agent, may cause spontaneous ignition of combustible materials.

Potential Health Effects: Eyes

This product may cause severe irritation or burns to the eyes.

Potential Health Effects: Skin

This product may cause severe irritation or burns to the skin.

Potential Health Effects: Ingestion

Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

Potential Health Effects: Inhalation

Inhalation of dusts may cause respiratory irritation possibly severe.

HMS Ratings: Health: 3 Fire: 2 Physical Hazard: 2

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

First Aid: Skin

In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. If irritation persists, repeat flushing and get medical attention. Discard any shoes or clothing items that cannot be decontaminated.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Give 2-4 cupfuls of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air. If symptoms persist, get medical attention.

*** Section 5 - Fire Fighting Measures ***

Flash Point: Not applicable

Upper Flammable Limit (UFL): Not applicable

Auto Ignition: >680°F (>360°C)

Rate of Burning: Not applicable

General Fire Hazards

Oxidizing agent, may cause spontaneous ignition of combustible materials. Containers may rupture or explode when exposed to heat.

Method Used: Not applicable

Lower Flammable Limit (LFL): Not applicable

Flammability Classification: Flammable

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Hazardous Combustion Products

Upon combustion, this product may emit nitrogen oxides, carbon monoxide, ammonia and oxygen.

Extinguishing Media

Use water only.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 3 Fire: 2 Instability: 2

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Stop source of leak if possible. Dike the spilled material, where this is possible.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Eliminate ignition sources including sources of electrical, static or frictional sparks. Ventilate the contaminated area. Sweep up or gather material and place in material in a suitable, labeled containers for disposal.

Evacuation Procedures

Persons not wearing appropriate protective equipment should be excluded from area of spill until clean-up has been completed.

Special Procedures

Follow all Local, State, Federal and Provincial regulations for disposal. Do not allow product to enter sewer or waterways.

*** Section 7 - Handling and Storage ***

Handling Procedures

Avoid breathing dusts from this material. Do not get this material in contact with skin or eyes. Use this product with adequate ventilation. Wash thoroughly after handling.

Storage Procedures

Keep product in original container. Store in a cool, dry, well-ventilated area away from heat, sunlight, moisture and contamination. Do not store around flammable or combustible materials.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of the components listed in Section 2 for this product.

Engineering Controls

Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product. Explosion proof exhaust ventilation should be used.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use of protective coveralls and long sleeves is recommended. Wear rubber or PVC gloves gloves.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of dusts, appropriate NIOSH/MSHA respiratory protection must be provided.

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

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*** Section 9 - Physical & Chemical Properties ***

Appearance:	White powder	Odor:	None
Physical State:	Solid	pH:	5-6
Vapor Pressure:	Not applicable	Vapor Density:	Not applicable
Boiling Point:	Not applicable	Melting Point:	>60°C (140°F)
Solubility (H2O):	500 g/L (Soluble)	Specific Gravity:	Not available

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under at room temperature in closed container under normal storage and handling conditions. Avoid prolonged storage or contact with air, light or storage and use above room temperature. May decompose on contact with air, light, moisture, heat or storage and use above room temperature.

Chemical Stability: Conditions to Avoid

Contact with combustible and incompatible materials, high temperatures, light, ignition sources, dust generation, moisture or exposure to air.

Incompatibility

Acids, reducing agents, heavy metals and alkalis.

Hazardous Decomposition

Upon decomposition, this product may emit nitrogen oxides, carbon monoxide, ammonia and oxygen.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Contact with this material may cause severe irritation or burns to the skin, eyes and mucous membranes.

B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Environmental Fate

No information available for the product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, Federal, and Provincial Environmental Regulations.

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*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Urea hydrogen peroxide
UN/NA #: UN1511 **Hazard Class:** 5.1 **Packing Group:** III
Required Label(s): OXIDIZER; CORROSIVE

TDG Information

Shipping Name: Urea hydrogen peroxide
UN/NA #: UN1511 **Hazard Class:** 5.1, (8) **Packing Group:** III

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

No additional information available.

B: Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

Canadian WHMIS Information

A: General Product Information

Workplace Hazardous Materials Information Systems (WHMIS): This product has been classified in accordance with the hazard criteria of the CPR (Controlled Product Regulations), and the MSDS contains all of the information required by the CPR.



WHMIS Class C: Oxidizing material



WHMIS Class E: Corrosive material

B: Component Analysis - WHMIS Ingredient Disclosure List (IDL)

No components in this product are listed in the WHMIS Ingredient Disclosure List (IDL) at or above the cutoff level.

C: Component Analysis

No information is available.

Additional Regulatory Information

A: General Product Information

No additional information available.

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B: Component Analysis - Inventory

Component	CAS #	CAN	TSCA	EEC
Urea peroxide	124-43-6	NDSL	Yes	EINECS

*** Section 16 - Other Information ***

Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Key/Legend

ppm = parts per million; mg/m³ = milligrams per cubic meter of air; EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; HEPA = High Efficiency Particulate Air; IARC = International Agency for Research on Cancer; NFPA = National Fire Protection Association; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; TLV = Threshold Limit Value; HMIS = Hazardous Materials Identification System; CERCLA = Comprehensive Environmental Response, Compensation and Liability Act; SARA = Superfund Amendments and Reauthorization Act; WHMIS = Workplace Hazardous Material Information System.

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