

Material Safety Data Sheet

Material Name: Autogel

ID: AUTO-017

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

Product Use: Gelatin stencil remover

Synonyms: Reclaimer

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
79-33-4	L-(+)-Lactic acid	15-20
2634-33-5	1,2-Benzisothiazolin-3-one	0.1-1

Component Information/Information on Non-Hazardous Components

This material is a controlled product under Canadian WHMIS regulations.

See Section 8 for applicable exposure limits. See Section 11 for applicable toxicity data.

*** Section 3 - Hazards Identification ***

Emergency Overview

CAUTION Product is a red gel with a soapy odor. Contact with this material may cause irritation to the skin, eyes and mucous membranes.

Potential Health Effects: Eyes

This product may cause irritation to the eyes.

Potential Health Effects: Skin

This product may cause irritation to the skin. This product may cause an allergic skin reaction.

Potential Health Effects: Ingestion

Ingestion of large amounts may produce gastrointestinal disturbances including irritation, nausea, and diarrhea.

Potential Health Effects: Inhalation

If product is inhaled, it may cause moderate irritation to the respiratory system.

Medical Conditions Aggravated by Exposure

Preexisting skin conditions may worsen with exposure to this product.

HMIS Ratings: Health: 2 Fire: 0 Physical Hazard: 1

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

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

First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. Get medical attention or advice.

First Aid: Skin

For skin contact, wash immediately with soap and water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting.

First Aid: Inhalation

If symptoms are experienced, remove source of contamination or move victim to fresh air.

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

Flash Point: Not applicable

Upper Flammable Limit (UFL): Not applicable

Auto Ignition: Not applicable

Rate of Burning: Not applicable

General Fire Hazards

This product is an aqueous mixture which will not burn. If evaporated to dryness, the solid residue may pose a slight fire hazard.

Hazardous Combustion Products

Upon decomposition, this product emits sulfur oxides, nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Extinguishing Media

Use methods for the surrounding fire.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective gear.

NFPA Ratings: Health: 2 Fire: 0 Instability: 1

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. For small spills, flush area with water to dilute. For large spills, absorb with inert material. Shovel material into appropriate container 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, Federal and Provincial regulations for disposal. Do not allow product to enter sewer or waterways.

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

Handling Procedures

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

Storage Procedures

Keep product in original container. Keep this material in a cool, well-ventilated place. Keep the container tightly closed and dry.

*** 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

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

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

Personal Protective Equipment: Skin

Wear normal work clothing (long sleeved shirts and long pants) and impervious (rubber/PVC) gloves.

Personal Protective Equipment: Respiratory

If product is used in a way that would generate mists, vapors or fumes, proper respiratory personal protective equipment must be provided.

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Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

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

Appearance:	Red gel with soapy odor.	Odor:	Soapy
Physical State:	Gel	pH:	<3
Vapor Pressure:	As H ₂ O	Vapor Density:	Not available
Boiling Point:	100°C (212°F)	Melting Point:	As water
Solubility (H₂O):	Complete	Specific Gravity:	Not available
Freezing Point:	As water	Viscosity:	Gel

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

Chemical Stability

Stable under normal conditions. Instability caused by elevated temperatures.

Chemical Stability: Conditions to Avoid

Avoid excessive heat and incompatible materials.

Incompatibility

Oxidizing agents, alkali.

Hazardous Decomposition

Upon decomposition, this product emits sulfur oxides, nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization

Will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

No additional information available.

B: Component Analysis - LD₅₀/LC₅₀

1,2-Benzisothiazolin-3-one (2634-33-5)

Oral LD₅₀ Rat: 1020 mg/kg; Oral LD₅₀ Mouse: 1150 mg/kg

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

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.

B: Component Waste Numbers

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

Disposal Instructions

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

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*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated as a hazardous material for transportation.

TDG Information

Shipping Name: Not regulated as a dangerous good for transportation.

*** 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 D2B: Irritating

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: Canadian Environmental Protection Act (CEPA)

Neither CEPA nor National Pollutant Release Inventory (NPRI) have recognized any components of this product.

Additional Regulatory Information

A: General Product Information

No additional information available.

B: Component Analysis - Inventory

Component	CAS #	CAN	TSCA	EEC
L-(+)-Lactic acid	79-33-4	DSL	Yes	EINECS
1,2-Benzisothiazolin-3-one	2634-33-5	DSL	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.

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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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