



SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Arizona Chemical Company
P.O. Box 550850
Jacksonville, FL 32255

24 Hour Emergency Assistance:
Chemtrec: 800/424-9300
Other Information: 800/733-1374

Product Name: SYLVAGEL® 5100
Chemical Identity: Trade Secret
Generic Name: Polyamide
Chemical Family: Polyamide Resins
CAS Number: Confidential (See Section 15).

SECTION 2 COMPOSITION/INFORMATION OF INGREDIENTS

	ACGIH TLV (mg/m ³)		OSHA PEL (mg/m ³)	
	TWA	STEL	TWA	STEL
Particulates not otherwise classified	10	NE	NE	NE
Particulates not otherwise regulated				
Total dust	NE	NE	15	NE
Respirable fraction	NE	NE	5	NE

TLV = Threshold Limit Value
PEL = Permissible Exposure Limit
TWA = Time-weighted average (8 hours)
STEL = Short term (15 minute) exposure limit
NE = Not established

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Amber yellow solid with a mild odor, in tube or prill form.

1. **WARNING! WHEN PRILLS ARE PACKED IN MULTIWALL PAPER BAGS WITH A POLYETHYLENE OR FOIL INNER LINING, THE BAG, ON DISCHARGE OF CONTENTS, CAN ACCUMULATE ELECTROSTATIC CHARGES SUFFICIENT TO IGNITE FLAMMABLE OR COMBUSTIBLE VAPORS.**
2. **MAY FORM FLAMMABLE OR EXPLOSIVE DUST-AIR MIXTURES.**
3. **AVOID BREATHING DUST.**

SECTION 3 HAZARDS IDENTIFICATION CONT'D

POTENTIAL HEALTH EFFECTS:

EYE: If the product is in prill or tube form, it is unlikely to cause mechanical irritation. Resin dust can cause irritation.

SKIN: Prolonged or repeated contact may cause mild irritation.

INHALATION: Inhalation of dust, molten resin vapor or fumes may cause minor irritation of the nose and throat in sensitive individuals. The molten resin vapors or fumes may cause sensitization and the development of an asthmatic reaction in certain sensitive individuals.

INGESTION: Not a probable route of entry into the body.

SUBCHRONIC EFFECTS (Target Organ Effects): No known effects.

CHRONIC EFFECTS: No known effects.

SECTION 4 FIRST AID MEASURES

EYE CONTACT: In case of contact, immediately flush eyes with plenty of water. Call a physician if signs of irritation appear.

SKIN CONTACT:

Solid Resin: As good industrial hygiene practice, at the end of each work shift, wash skin with plenty of soap and water.

Molten Resin: Cool the affected area with cold water, but do not attempt to remove the solidified resin from the skin. Consult a physician immediately for burn treatment.

INHALATION: Remove to fresh air, if effects occur from inhalation of molten resin vapor or fumes or resin dust.

INGESTION: Emergency care should not be needed.

SECTION 5 FIRE FIGHTING MEASURES

Flash point: >500°F (>260°C) (Setaflash Closed Cup)
Upper/lower flammable limits: Unknown
Autoignition temperature: Unknown
Flammability classification: Non-hazardous
Flame propagation rate: Not applicable
Extinguishing media: Water fog, foam, carbon dioxide or dry chemical.
Special precautions: Toxic gases such as carbon monoxide may be released during fire. Use positive-pressure, self-contained breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: When packed in multiwall paper bags with a polyethylene or foil inner lining, the bag, on discharge of contents, can accumulate electrostatic charges sufficient to ignite flammable or combustible vapors. See Handling (Section 7).

SECTION 6 ACCIDENTAL RELEASE MEASURES

In a clean area, recover for reuse. Dispose of contaminated material.

SECTION 7 HANDLING AND STORAGE

When handling molten resin, use adequate ventilation to avoid the accumulation of fumes. Use good housekeeping to prevent dust accumulation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

When the product is packaged in a multiwall paper bag with a polyethylene or foil inner lining, do not pour directly into or in the presence of a substance or mixture which emits flammable or combustible vapors. If using this product near flammables or combustibles, carefully follow either of the following precautions:

(1) (Preferred). In a separate area, empty contents of the bag into a grounded metal container. Then, before transferring contents into a receiver containing the flammable or combustible substance/mixture, make sure that the metal container, the receiver and all addition chutes/funnels have a good common ground.

-OR-

(2) Place or lay the bag in or on a well-grounded transfer container or chute. Before transferring the contents via the grounded container or chute to a receiver containing the flammable or combustible substance/mixture, make sure that the transfer container or chute and receiver have a good common ground.

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SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION
=====**EYES:**

Solid Resin: Use safety glasses. An eye wash is recommended.

Molten Resin: Use chemical safety goggles. An eye wash is recommended.

SKIN:

Solid Resin: As good industrial hygiene practice, impervious (for example, nitrile) gloves are recommended.

Molten Resin: Heat-resistant gloves and other protective clothing should be worn to prevent body contact. A safety shower is recommended.

INHALATION:

Solid Resin: For normal operations, no respiratory protection is required. A dust mask is recommended if resin dust becomes airborne.

Molten Resin: An air purifying respirator designed for organic vapors should provide adequate protection.

ENGINEERING CONTROLS: Use adequate ventilation. In process operations capable of generating static electricity and/or dust clouds; grounding, venting, and explosion relief provisions must be used.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES
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Appearance/state: Amber solid
Odor: Mild
Ph: Not applicable
Vapor Pressure: <0.001 mm Hg at 20°C (68°F)
Vapor density: Not applicable.
Boiling point: Not applicable
Melting point: 83°C
Solubility in water: <0.1% at 25°C (77°F)
Specific gravity: <1.00 at 25°C/25°C (water=1.00)
Evaporation rate: Approx. 0 (n-BuAc=1)
% Volatile by weight: <1, EPA Method 24

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SECTION 10 STABILITY AND REACTIVITY
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Chemical stability: Stable under normal temperatures and pressures.

Conditions to avoid: Formation of dust clouds. This product is not reactive with water.

Chemicals to avoid: None known.

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SECTION 10 STABILITY AND REACTIVITY CONT'D
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Hazardous Polymerization: Will not occur under normal temperatures and pressures.

Hazardous Decomposition Products: Thermal decomposition products include toxic oxides of carbon.

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SECTION 11 TOXICOLOGICAL INFORMATION
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The total product is not on the International Agency for Research on Cancer (IARC) or National Toxicology Program (NTP) or OSHA lists of carcinogens or potential carcinogens.

TOXICITY DATA: The following data on test animals indicates that chemically similar products have low acute toxicity potential.

ROUTE-SPECIES	TEST	DOSAGE	UNITS	IRRITATION DATA
Oral-rat	LD50	>5000	mg/kg	Skin - rabbit - non-irritating Eye - rabbit - minimally irritating

OTHER: Molten resin can cause thermal burns.

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SECTION 12 ECOLOGICAL INFORMATION
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There is no data available for this product.

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SECTION 13 DISPOSAL CONSIDERATIONS
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Dispose of waste by incineration or landfill in accordance with all local, state and federal regulations.

Resource Conservation and Recovery Act (RCRA): This product is not included in the lists of hazardous substances (40 CFR 261.33), nor does it exhibit the characteristics of hazardous waste (40 CFR 261.20-24).

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SECTION 14 TRANSPORT INFORMATION
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DOT - Department of Transportation Hazardous Materials Regulations

DOT Hazard Class: Not applicable
DOT Proper Shipping Name: Not applicable
Technical Name: Not applicable
DOT Identification Number: Not applicable
Surface Freight Classification: Plastic Synthetic

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SECTION 15 REGULATORY INFORMATION
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Toxic Substances Control Act (TSCA): This product is on the TSCA Inventory.

SARA, Title III, Section 313 (40 CFR 372): This product contains the following substances which are reportable under SARA Toxic Chemical Release Reporting Regulations:

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt%</u>
None		

SARA, Section 311/312 Hazard Classification: This product has the following hazard categories: None

New Jersey Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List or are Trade Secret:

<u>Chemical Name</u>	<u>CAS or NJTS#</u>	<u>Wt%</u>
Trade Secret	NJTS # 7366	100

Pennsylvania Worker and Community Right To Know Act: This product contains the following substances which appear on the Hazardous Substance List:

<u>Chemical Name</u>	<u>CAS #</u>	<u>Wt%</u>
None		

International Inventory Status: This product is either listed on or exempt from the following international inventories: Europe EINECS and Philippines PICCS.

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SECTION 16 OTHER INFORMATION
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Hazard Ratings: NFPA 1 Health 1 Fire 0 Reactivity

Revision Note: Revision 1. Revised MSDS number and Section 9, 11, and 15.

Prepared by: C. P. Smith

Title: Sr. Product Regulatory Specialist

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END OF MSDS