



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name SYLVAGEL™ IM800
Version # 01
Revision date 12-18-2011
Product Code 2000777, 2000778
Synonym(s) Polyamide Resin
Manufacturer information Arizona Chemical Company, LLC
Building 100
4600 Touchton Road East, Suite 1200
Jacksonville, FL 32246 United States
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Phone 877-273-2267
Phone 904-928-8700
Emergency-US CHEMTREC 800-424-9300

2. Hazards Identification

Emergency overview WARNING! Causes eye irritation. Causes skin irritation.
OSHA regulatory status This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).
Potential health effects
Routes of exposure Skin contact. Eye contact.
Eyes Causes eye irritation.
Skin Irritating to skin.
Inhalation Inhalation of vapors/fumes generated by heating this product may cause respiratory irritation with throat discomfort, coughing or difficulty breathing.
Ingestion Irritating to mouth, throat, and stomach. Do not ingest.
Signs and symptoms Irritation of eyes and mucous membranes. Irritant effects.

3. Composition / Information on Ingredients

Hazardous components	CAS #	Percent
Poly[oxy(methyl-1,2-ethanediyl)], a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)-	9046-10-0	<10
Non-hazardous components	CAS #	Percent
Polyamide Resin	1093269-05-6	>90

4. First Aid Measures

First aid procedures
Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Skin contact Wash off immediately with plenty of water. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash before reuse.
Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
Ingestion Rinse mouth thoroughly. Do not induce vomiting without advice from poison control center. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

General advice Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire Fighting Measures

Flammable properties Not flammable by OSHA criteria. Not combustible by OSHA criteria.

Extinguishing media

Suitable extinguishing media Water fog. Water spray, dry chemical, carbon dioxide.

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

Protection of firefighters

Specific hazards arising from the chemical Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Fire fighting equipment/instructions Wear suitable protective equipment. Move containers from fire area if you can do so without risk.

6. Accidental Release Measures

Personal precautions Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Keep out of low areas.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas.

Methods for cleaning up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use.

7. Handling and Storage

Handling Avoid release to the environment. Observe good industrial hygiene practices. Follow all MSDS/label precautions even after container is emptied because they may retain product residues. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment. Do not use in areas without adequate ventilation. Wash thoroughly after handling.

Storage Keep containers closed when not in use. Store at ambient temperature and atmospheric pressure. Use care in handling/storage.

8. Exposure Controls / Personal Protection

Engineering controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye / face protection Safety glasses. Avoid contact with eyes. Chemical goggles are recommended. Eye wash fountain is recommended.

Skin protection Avoid contact with the skin. Wear suitable protective clothing and gloves.

Respiratory protection No personal respiratory protective equipment normally required. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygiene considerations Avoid contact with eyes. Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Eye wash fountain and emergency showers are recommended. Launder contaminated clothing before reuse.

9. Physical & Chemical Properties

Appearance Liquid. Viscous.

Physical state Liquid.

Form	Liquid. Viscous.
Color	Light yellow.
Odor	Mild. Amine-like.
pH	Not available.
Vapor pressure	< 0.001 mm Hg at 20°C
Melting point/Freezing point	Not available.
Solubility (water)	< 0.1 % at 25°C
Specific gravity	0.94 at 25°C/25°C; (water=1)
Relative density	0.94 at 25°C/25°C; (water=1)
Flash point	> 201 °F (> 94 °C) Cleveland Open Cup
Evaporation rate	0 approx.; (n-BuAc=1)
Viscosity	60000 cP at 23°C
Percent volatile	0 % Estimated
Other data	
Chemical family	Polyamide Resin
Density	940 kg/m ³ at 25°C
Flammability	Non flammable.
Flammability class	Combustible IIIB estimated
Weighted solids	100 %

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
Conditions to avoid	Strong oxidizing agents.
Incompatible materials	This product may react with strong oxidizing agents.
Hazardous decomposition products	Upon decomposition this product emits acrid dense smoke with carbon dioxide, carbon monoxide, water and other products of combustion.

11. Toxicological Information

Toxicological data

Product

SYLVAGEL™ IM800

Test Results

Acute Dermal LD50 Rabbit: 32656.25 mg/kg estimated
Acute Oral LD50 Rat: 3121.7483 mg/kg estimated

Components

Polyamide Resin (1093269-05-6)
Poly[oxy(methyl-1,2-ethanediyl)],
a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)- (9046-10-0)

Test Results

Acute Oral LD50 Rat: > 5000 mg/kg Data is for similar product.
Acute Dermal LD50 Rabbit: 2090 mg/kg
Acute Oral LD50 Rat: 480 mg/kg

Sensitization	Not available.
Acute effects	Not classified.
Local effects	Irritating to eyes. Irritating to skin.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Skin corrosion/irritation	

Irritating to skin.

Product

SYLVAGEL™ IM800

Test Results

6.5 - 8 Draize
Result: Corrosive
Species: Rabbit
Organ: Skin
Comments: Polyamine

Serious eye damage/eye irritation

Irritating to eyes.

Product

SYLVAGEL™ IM800

Test Results

Draize
Result: Positive
Species: Rabbit
Organ: Eye
Severity: Severe
Comments: Polyamine

12. Ecological Information

Ecotoxicological data

Product

SYLVAGEL™ IM800

Test Results

EC50 Daphnia: 234.375 mg/l 48 hours estimated
IC50 Algae: 2109.375 mg/l 72 hours estimated
LC50 Fish: 1562.5 mg/l 96 hours estimated

Components

Poly[oxy(methyl-1,2-ethanediyl)],
a-(2-aminomethylethyl)-w-(2-aminomethylethoxy)- (9046-10-0)

Test Results

EC50 Daphnia: 15 mg/l 48 hours
IC50 Algae: 135 mg/l 72 hours
LC50 Fish: > 100 mg/l 96 hours

* Estimates for product may be based on additional component data not shown.

Ecotoxicity

Contains a substance which causes risk of hazardous effects to the environment.

Environmental effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Persistence and degradability

Not available.

13. Disposal Considerations

Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport Information

DOT

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2))

Not regulated

DEA Essential Chemical Code Number

Not regulated

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

Not regulated

DEA Exempt Chemical Mixtures Code Number

Not regulated

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - No
 Fire Hazard - No
 Pressure Hazard - No
 Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

Further information HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings
 Health: 2
 Flammability: 1
 Physical hazard: 0

NFPA ratings
 Health: 2
 Flammability: 1
 Instability: 0

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