



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polymeric Top Coat Activator™

Company: Specialty Products, Inc. (SPI)

2410 - 104th St Ct S, Ste D
Lakewood, WA 98499

Phone: 253.588.7101

Toll Free: 800.627.0773

Fax: 253.588.7196

EMERGENCY CONTACT: For Spills, Leaks, Fire or Exposure call **CHEMTREC**

Toll Free: 800.424.9300

International Calls: 703.527.3887

Fax: 913.321.1490

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Name</u>	<u>CAS#</u>	<u>% W</u>
Aziridine (Polyfunctional)	064265-57-2	99.7*

*Ingredients not precisely identified are either proprietary or non-hazardous. Values are not product specifications.

*Percent concentrate by weight

SECTION 3: HAZARDS IDENTIFICATION

Physical State: Liquid.

Odor: Mild amine odor.

OSHA/HCS status: This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

Emergency Overview: **WARNING**
Harmful by inhalation. Irritating to eyes and respiratory system. May cause sensitization by inhalation and skin contact. This product is a respiratory irritant and potential respiratory sensitizer. Repeated inhalation of vapor or aerosol at levels above the occupational exposure limit could cause respiratory sensitization. A hyper-reactive response to even minimal concentrations of diisocyanates may develop in sensitized persons. The onset of the respiratory symptoms may be delayed for several hours after exposure.

Reacts slowly with water to produce carbon dioxide which may rupture closed containers. This reaction accelerates at higher temperatures.

General Information: [Read the entire MSDS for a more thorough evaluation of the hazards.](#)



SECTION 4: FIRST AID MEASURES

Eye Contact:	Corrosive to the eye. Immediately flush eyes with running water for a minimum of fifteen minutes. Hold eyelids open during flushing. Seek medical attention immediately.
Skin Contact:	Moderate skin irritant. Skin sensitizer. Wash with soap and water. If redness, itching or burning sensation develops, seek medical attention. Wash contaminated clothing and footwear before reuse.
Ingestion:	Corrosive to the gastrointestinal tract. Irritation or chemical burns of the mouth; pharynx, esophagus and stomach can develop following ingestion. Injury may be severe and cause death. The acute oral toxicity of this material between 500 and 5000 mg/kg. This material is classified as slightly toxic by ingestion. DO NOT induce vomiting. Give 1 to 2 glasses of water to drink. Seek medical attention.
Inhalation:	Respiratory irritant. Respiratory sensitizer. Vapors and/or aerosols may cause irritation to the mucous membranes, eyes, nose and respiratory passages. Symptoms include cough, tightness in chest and or asthmatic wheezing. Remove person to fresh air. If breathing is labored, give oxygen. Consult medical personnel.
Notes to Physician:	Mucosal injury following ingestion of the potentially corrosive material contraindicates the induction of vomiting. Medical personnel should evaluate workers with chronic pulmonary disease, before handling this product. Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for at least 48 hours.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:	> 200° F (93°C)
Products of Combustion:	Oxides of carbon and nitrogen.
<u>Extinguishing Media</u>	Water fog, foam, carbon dioxide, and dry chemical, halogenated agents. Water may be used to cool closed containers to prevent pressure buildup.
Suitable:	Use an extinguishing agent suitable for the surrounding fire.
Not Suitable:	None known.
Special Exposure Hazards:	Heat impurities may increase temperature/build pressure/rupture closed containers, spreading fire, increasing risk of burns/injuries.
Special Protective Equipment for Fire-fighters:	Full protective clothing and approved self-contained breathing apparatus required.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Accidental Release Measures:	For major spills call CHEMTREC Toll Free 1.800.434.9300 or for International call 1.703.527.3887.
Personal Precautions:	Immediately contact emergency personnel. Evacuate the area. Keep upwind to avoid inhalation of vapors. Clean-up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection. Use suitable protective equipment (See SECTION 8-Exposure Controls for details).
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods for Cleaning Up:	Contain spill, soak up material with absorbent and shove in to a chemical waste container.
Preparation of Decontamination Solution:	Prepare a decontamination solution with 1% acetic acid solution or one part white vinegar to four parts water.
Use of Decontamination Solution:	Allow deactivated material to stand for at least 30 minutes before shoveling into drums. Do not tighten the bungs. Mixing with wet earth is also effective, but slower.

SECTION 7: HANDLING AND STORAGE

General:	Store in cool, well ventilated area away from heat.
Handling:	Normal handling - see section 9 for protective equipment recommended.
Storage:	Keep container tightly sealed. Store in cool, well ventilated area away from heat, sources of ignition, direct sunlight, and acidic materials, anhydrides and strong oxidizers.
Other Precautions:	Wear skin, eye and respiratory protection during cleanup. Contain spill, soak up material with absorbent and shovel in to a chemical waste container. Decontaminate with 1% acetic acid solution or one part white vinegar to four parts water.
Contaminated Packaging:	Discarded product is not a hazardous waste under RCRA, but may be regulated by other jurisdictions. Incinerate in approved facility. DO NOT incinerate closed containers. Dilute with clean, low viscosity fuel.
Exotoxicological Information:	Not Determined.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult local authorities for acceptable exposure limits.

Preventive Measures:	Conditions of use, adequacy of engineering or other control measures, and actual exposures will dictate the need for specific protective devices at your workplace. Medical supervision of all employees who handle or come in contact with respiratory sensitizers is recommended. Persons with respiratory problems including asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases or recurrent skin eczema or skin allergies should be evaluated for their suitability of working with this product. Once a person is diagnosed as sensitized, no further exposure to the material that caused the sensitization should be permitted.
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Engineering Controls:	Use permitted ventilation adequate to maintain safe levels. Provide general dilution or local exhaust ventilation to remove solid airborne particles of over spray during spraying application.
Eye Protection:	Safety glasses with side shields.
Hands Protection:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Use nitril or neoprene gloves.
Skin Protection:	Use arm covers and apron. Additional protections, such as full body suit and boots may be required depending on conditions. Remove contaminated clothing and wash separately from other laundry before reuse.
Respiratory Protection:	If spraying use organic cartridge NIOSH approved. If rolling or brushing none needed.
Work Hygienic Practices:	Follow the usual precautionary measures for handling chemicals. Keep away from food and beverages. Immediately remove all soiled and contaminated clothing. Avoid contact with eyes, skin and clothing. Wash hands after use. Wash all contaminated clothing and shoes before reuse.
Other Protection:	Consult your supervisor or S.O.P. for special handling instructions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State:	Liquid.
Color:	Pale yellow
Odor:	Mild amine odor

Important Health, Safety and Environmental Information

pH:	No Data
Boiling Point:	No Data
Evaporation Rate:	Not Data
Specific Gravity:	1.07
Molecular Weight:	Not Determined
Solubility (water):	Dispersible
Flash Point:	> 200°F (93°C)

Other Information

Volatile Organic Compounds (VOC):0.50 grams/liter

SECTION 10: STABILITY AND REACTIVITY

Stability & Reactivity:	Stable under normal conditions, may react with severe water or acids. Unstable or elevated temperatures and pressures.
Incompatibility with Various Substances:	Acid contamination, heat, direct sunlight, ultraviolet radiation, stong oxidizing conditions and freezing conditions.
Hazardous Decomposition or by-Products:	Oxides of carbon and nitrogen.



Hazardous Polymerization: May occur if mixed with acid materials.

Conditions to avoid: Acidic contamination, heat, direct sunlight, ultraviolet radiation, strong oxidizing conditions and freezing conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Ingestion: Low oral toxicity. Ingestion may cause irritation of the gastrointestinal tract.

Inhalation: This product is a respiratory irritant and potential respiratory sensitizer. Repeated inhalation of vapor or aerosol at levels about the occupational exposure limit could cause respiratory sensitization. Symptoms may include irritation to the eyes, nose, throat, and lungs, possibly combined with dryness of the throat, tightness of chest and difficulty in breathing. The onset of the respiratory symptoms may be delayed for several hours after exposure. A hyper-reactive response to even minimal concentrations of MDI may develop in sensitized persons.

Eyes: Irritating to eyes.

Skin: Irritating to skin. May cause sensitization by skin contact. Animal studies have shown that respiratory sensitization can be induced by skin contact with known respiratory sensitizers including diisocyanates. These results emphasize the need for protective clothing including gloves to be worn at all times when handling these chemicals or in maintenance work.

Potential Chronic Health Effects

Mutagenic Effects: Positive mutagenicity activity has been reported on the aziridine compounds.

Carcinogenic Effects: This product contains no components present at concentrations equal to or greater than 0.1% listed by IARC, OSHA, NTP or ACGIH or a carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

NOT DETERMINED

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed.



SECTION 14: TRANSPORTATION INFORMATION

EMERGENCY CONTACT: For Spills, Leaks, Fire or Exposure call **CHEMTREC**
Toll Free: 800.424.9300
International Calls: 703.527.3887

U.S. DOT: Not Regulated.
Proper Shipping Name: Not Regulated
Other Requirements: Not Regulated

OSHA Classification: This product complies with OSHA
TSCA Regulations: (Toxic Substance Control Act) All ingredients are on the TSCA Chemical Substance Inventory
EPCRA Section 313 (40 CFR 372): This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

This product does not contain nor is it manufactured with ozone depleting substances.

SECTION 15: REGULATORY INFORMATION

United States

This material is classified as hazardous under OSHA Hazard Communication Standard (29 CFR 1910.1200).

OSHA Classification: Not Regulated

TSCA Regulations: TSCA 8(b) inventory: All ingredients are on the TSCA inventory or are not required to be listed on the TSCA inventory. This Product does not contain nor is it manufactured with ozone depleting substances.

EPCRA Section 313 (40 CFR 372) This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.

Canada

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulations) and the MSDS (Material Safety Data Sheet) contains all the information required by the CPR.

WHMIS (Canada): WHMIS Class D-2A: Material causing other toxic effects (very toxic).
WHMIS Class D-2B: Material causing other toxic effects (toxic).

Other Regulations/Legislation: Florida Hazardous Substance List, Rhode Island Hazardous Substance List, Minnesota Right-to-know, California Prop 65.
WARNING: This product contains a chemical known to the state of California to cause cancer.

SECTION 16: OTHER INFORMATION

Label requirements: Harmful by inhalation. Irritating to eyes and respiratory system. May cause sensitization by inhalation and skin contact. This product is a respiratory irritant and potential respiratory sensitizer. Repeated inhalation of vapor or aerosol at levels above the occupational exposure limit could cause respiratory sensitization. A hyper-reactive response to even minimal concentrations of diisocyanates may develop in sensitized persons. The onset of the respiratory symptoms may be delayed for several hours after exposure.



MATERIAL SAFETY DATA SHEET

POLYMERIC TOPCOAT ACTIVATOR™

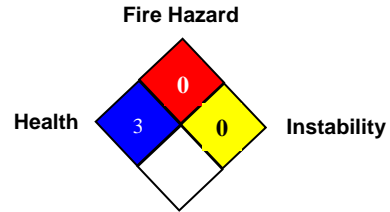
Revised Date: 8/31/04

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HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

Health	3
Fire Hazard	0
Reactivity	0

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)



For Your Protection:

The information and recommendations in this publication is to the best of our knowledge, reliable. The toxicity and risk characteristics of products made by SPI will necessarily differ from the toxicity and risk characteristics that occur when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. The user is responsible to comply with all applicable federal, provincial or municipal laws and regulations. SPI MAKES NO WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Preparation Information:

This MSDS supersedes ALL previous MSDS versions.