

# Material Safety Data Sheet

## Stevens OlyBond Classic - Part B SKU# 2087113 - 2087118

DATE OF PREPARATION 03/28/05. ESSENTIALLY SIMILAR TO FORM OSHA-20.

### SECTION I -- PRODUCT IDENTIFICATION

#### MANUFACTURER:

Stevens Roofing Systems, Inc.

Nine Sullivan Road

Holyoke, MA 01040

Product Information: 1-413-552-1000

Emergency Information: CHEMTREC 1-800-424-9300

or 1-703-527-3887

**PRODUCT NAME: Stevens OlyBond Classic (Part B)**

### SECTION II -- HAZARDOUS INGREDIENTS

\*\*\*Exposure Limits\*\*\*

	CAS#	%WT	ACGIH/TLV TWA	OSHA/PEL STEL	
Amine Catalyst Mixture		<1	NE	NE	NE

NA = Not Applicable      ND = Not Determined      NE = Not Established

### SECTION III -- PHYSICAL DATA

<b>Evaporation Rate:</b> NA	<b>Specific Gravity:</b> (H <sub>2</sub> O = 1, at 25° C.) 1.03
<b>Appearance and Odor:</b> Black viscous liquid, slight amine odor.	<b>Viscosity at 25°C:</b> 550 cps
<b>Boiling Point:</b> 212° F (100° C)	<b>% Volatile, by weight:</b> Negligible
<b>Solubility in Water:</b> Slight	<b>Melting/Freezing Point:</b> NA
<b>Vapor Pressure:</b> No data available (mm at 20° C)	<b>pH:</b> No data available

### SECTION IV -- FIRE & EXPLOSION HAZARD

<b>Flash Point:</b> NDA° F, NDA° C (COC) NFPA Combustible Class III B	dioxide, halogenated agents or water. Use cold water spray to cool fire-exposed containers to minimize risk of rupture. A solid stream of water directed into the hot burning liquid could cause frothing. If possible, contain fire run-off water.
<b>Auto Ignition Temperature:</b> NDA	<b>Protective Equipment:</b> Positive-pressure self-contained breathing apparatus with full face-piece and full protective clothing should be worn by fire-fighters.
<b>Flammable Limits (STP):</b> NDA Toxic fumes are released in fire situations.	
<b>Fire Degradation Products:</b> Combustion may produce carbon dioxide, carbon monoxide, nitrogen oxides and silicone oxides.	
<b>Extinguishing Media:</b> Use dry chemical, foam, carbon	

### SECTION V -- HEALTH HAZARD

**Emergency Overview:** Harmful if inhaled. Toxic fumes are released in fire situations.  
Black viscous liquid. Slight amine odor.

HMIS Ratings:      Health 2      Flammability 1      Reactivity 0  
Insignificant = 0      Slight = 1      Moderate = 2      High = 3      Extreme = 4

NFPA Ratings:      Health 2      Flammability 1      Reactivity 0  
Minimal = 0      Slight = 1      Moderate = 2      Serious = 3      Severe = 4

**Potential Health Effects:** The information listed below is based on the individual components of this mixture.

- Inhalation:** Heating, spraying, foaming, or otherwise mechanically dispersing (drumming, venting or

pumping) operations of this blend may generate more vapor or aerosol concentrations of its components. Tertiary amines can produce severe respiratory tract irritation. This will be experienced as a discomfort in the nose, throat and chest. With nasal discharge, cough, headache and difficulty with breathing.

- **Skin Contact:** Prolonged contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
- **Eye Contact:** Will cause irritation on contact. Symptoms from tertiary amine exposure include watering or discomfort of the eyes with marked excess redness and swelling. Severe exposure could produce chemical burns of the cornea. Tertiary amines have also been known to produce a transient blurring of vision against a general bluish haze and the appearance of halos around bright objects (referred to as "blue haze").
- **Ingestion:** Tertiary amines can cause severe irritation and possible chemical burns of the mouth, throat, esophagus and stomach with pain and discomfort in the mouth, throat, chest and abdomen.
- **Carcinogenicity:** The components of this blend are not listed by the NTP, IARC or regulated by OSHA as carcinogens.

#### **Emergency and First Aid Procedures:**

**Eye Contact:** Flush eyes with plenty of water for at least 15 minutes. Use fingers to assure that the eyelids are separated and that the eye is being irrigated. Consult a physician.

**Skin Contact:** Remove all contaminated clothing and shoes. Wash skin with large quantities of water and soap. Wash clothing before wearing again and clean shoes. If redness, itching or a burning sensation develops or persists after the area is washed, consult a physician.

**Ingestion:** If swallowed, do not induce vomiting unless directed to do so by medical personnel. Give large quantities of water for dilution. Never give anything by mouth to an unconscious person. Seek medical attention.

**Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. Call a physician or transport to a medical facility immediately.

#### **NOTE TO PHYSICIAN:**

**Eyes:** Exposure to tertiary amine vapors in this product may cause minor transient edema of the corneal epithelium known as "blue haze".

**Skin:** Thorough cleansing of the entire contaminated area of the body including the scalp and nails is extremely important.

**Ingestion:** Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this product.

**Inhalation:** Tertiary amines produce severe respiratory tract irritation. This will be experienced as a discomfort in the nose, throat and chest, with nasal discharge, cough and difficulty with breathing.

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### **SECTION VI -- REACTIVITY DATA**

**Stability:** This is a stable material. Avoid high temperatures, sparks, flame and extended exposure over 110<sup>0</sup> F (45<sup>0</sup> C).

**Hazardous Polymerization:** Will not occur.

**Reactivity:** Incompatible with oxidizing materials, isocyanates and acids.

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### **SECTION VII -- SPILL OR LEAK PROCEDURES**

**Spill/leak Procedures:** Isolate and confine spill area. Remove all sources of flames, heating elements, gas engines, etc. Emergency clean-up personnel should select the specific respirator based on contamination levels found. Air purifying respirator equipped with full-face organic vapor cartridge if vapors are detected, or are irritating. In areas of high concentrations, fresh air-line respirators or self-contained breathing apparatus and protective clothing should be used. Prevent spreading and contamination of surface waters and drinking supplies. Notify local health officials and other appropriate agencies if such contamination should occur.

**Clean up:** With adequate ventilation and appropriate personal protective equipment, cover the area with an inert absorbent material such as clay or vermiculite and transfer to steel waste containers. The spill area should then be washed down with soap and water to dilute and remove remaining traces of material. Ventilate area to remove the remaining vapors.

**Disposal:** Any disposal practice must be in compliance with all federal, state and local laws and regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented in the MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

**DO NOT ALLOW** material to enter sewers, a body of water, or contact the ground. Refer to RCRA 40 CFR 261, and/or any other appropriate federal, state or local requirements for proper classification information.

**Container Disposal:** Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

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### **SECTION VIII -- SPECIAL PROTECTION INFORMATION**

**Ventilation:** Local exhaust ventilation is recommended when working with this product. Uses requiring heating and/or spraying may require more ventilation or personal protective equipment.

**Respiratory Protection:** The specific respirator selected must be based on contamination levels of this blend found in the workplace and must not exceed the working limits of the respirator and be jointly approved by NIOSH and MSHA. Air purifying respirators equipped with full-faced organic vapor cartridge can be used only if isocyanate vapors are not present from the "A" component. In areas of high concentrations, fresh air-line respirators or self-contained breathing apparatus should be used. A positive pressure self contained breathing apparatus can be used in emergencies or other unusual situations.

**Eye Protection:** Fitted chemical goggles or full face shield and safety glasses must be used consistent with splash hazard present. It vapor exposure causes eye discomfort, use a full face-piece respirator or supplied air hood.

**Protective Clothing:** Wear clothing, boots and gloves resistant to permeation of product. Materials may include butyl rubber, nitrile rubber, neoprene and Saranex® coated with Tyvek®.

**Other Protective Equipment:** An eyewash station and safety shower or other drenching facilities are recommended in the work area.

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## SECTION IX -- SPECIAL PRECAUTIONS

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**Storage:** When stored between 15 and 30<sup>0</sup> C (60 and 85<sup>0</sup> F) in sealed containers, typical shelf life is 6 months or more from the date of manufacture. Consult technical data sheet for shelf life requirements affecting performance quality. Opened containers must be handled properly to prevent moisture pickup.

**Handling:** Avoid skin and eye contact. Use personal protective equipment when transferring material to or from drums, totes or other containers. Safety glasses and gloves are the minimum protection. Additional precautions must be used when splash hazards are present. Consult the ISOFOAM® Polyisocyanates Handling and Safety Information when this "B" blend is used in conjunction with the isocyanate "A" blends. If contamination with isocyanates is suspected, do not reseal containers. Do not smoke or use naked lights, open flames, space heaters, or other ignition sources near pouring, frothing or spraying operations.

**Special Emphasis for Spray Applications:** Inspect the application area from the potential to expose other persons or for over-spray to drift onto buildings, vehicles or other property. When spraying building exteriors, persons entering or exiting the building as well as those inside could be exposed to polyisocyanates due to wind conditions, open windows or air intakes. Do not begin application work until these potential problems have been corrected.

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## SECTION X -- TRANSPORTATION

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**DOT Hazard Classification:** Not regulated

**UN #:**

**OSHA Status:** This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status:** On the TSCA inventory.

**CERCLA Reportable Quantity:** None reported.

<b>SARA Title III:</b>	Section 302 Extremely Hazardous Substances:	None
	Section 311/312 Hazard Categories:	Immediate Health Hazard
	Section 313 Toxic Chemicals:	None

**RCRA Status:** If discarded in its purchased form, this product would not be a hazardous waste either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. (40 CFR 261.20-24)

Individual State requirements:

California Proposition 65: Material(s) in this product known to the State of California to cause cancer: None

California Proposition 65: Material(s) in this product known to the State of California to cause birth defects or other reproductive harm: None

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## OTHER

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The information contained in this Material Safety Data Sheet has been prepared in accordance with the OSHA Hazard Communication Standard CFR 1910.1200. This information relates specifically to the product designated and may not be valid for the product when used in combination with any other materials or products or in a particular process. The information is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness, whether originating within the company or not. The user should review this information, satisfy itself as to its suitability and completeness, and pass on the information to its employees or customers in accordance with applicable Federal, State, or Local hazard communications requirements. We do not accept responsibility for any loss or damage which may occur from the use of this information.

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