

MATERIAL SAFETY DATA SHEET
Stevens Roofing Systems
STEVENS EV CLEAR CUT EDGE SEALANT

Printed: 08/29/03

Revised: 08/22/03

SECTION I - PRODUCT IDENTIFICATION

Manufacturer: STEVENS ROOFING SYSTEMS
 Carolina Plant
 1535 Elastic Plant Road
 Westfield, NC 27053

Information Phone: 336-351-3131
 Emergency Phone: 413-533-8100
 CHEMTREC Phone: 800-424-9300
 International: 202-483-7616

Product Class: SEALANT
 Trade Name: STEVENS EV CLEAR CUT EDGE SEALANT
 Product Code: 2087035
 C.A.S. Number: MIXTURE
 DOT Hazard Class: 3
 DOT Identification #: UN 1133
 DOT Proper Shipping Name: ADHESIVES
 DOT Packing Group: II
 DOT Required Label: Flammable Liquid

Hazard Ratings: Health - 3
 none -> extreme Fire - 3
 0 ---> 4 Reactivity - 1
 Personal Protection - B

SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Weight %	Exposure Limits		Vapor Pressure
			ACGIH/TLV	OSHA/PEL	mm Hg
Tetrahydrofuran	109-99-9	82.2	200 ppm STEL = 250 ppm	200 ppm	160 @ 77°F

*** No toxic chemical(s) subject to the reporting requirements of SARA Title III, Section 313.

SECTION III - PHYSICAL DATA

Boiling Range: 151°F
 Evaporation Rate: Faster than n-Butyl Acetate
 Appearance and Odor: Hazy liquid with a solvent odor

Vapor Density: Heavier than Air
 Solubility in Water: Negligible
 Specific Gravity: 0.91

SECTION IV - FIRE AND EXPLOSION HAZARD DANGER

Flash Point: 70 F
 Lower Flame Limit: 2% volume in air
 Method Used: TCC
 Upper Flame Limit: 11.8% volume in air

-EXTINGUISHING MEDIA

Use alcohol type or all-purpose foam for large fires. Use CO₂ or dry chemical for small fires.

SECTION IV - FIRE AND EXPLOSION HAZARD DANGER (cont.)

-SPECIAL FIRE-FIGHTING PROCEDURES

Respiratory equipment should be worn to avoid inhalation of concentrated fumes.
 Water spray may be ineffective on the fire, but should be used to cool fire-exposed containers and structures.

Water spray should also be used to disperse vapors, as reignition is possible.

-UNUSUAL FIRE & EXPLOSION HAZARDS

Handle as a flammable liquid. Vapors from this product may travel or move by air currents and form an explosive mixture in air between the upper and lower explosive limit, which can be ignited by many sources such as pilot lights, open flames, electrical motors and switches.

Vapors may settle in low or confined areas, or travel long distances to an ignition source and flash back explosively.

Store in a cool, well-ventilated area.

SECTION V - HEALTH HAZARD DATA

-INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INHALATION: Prolonged inhalation of high vapor concentration may result in a narcotic effect ranging from dizziness, nausea and headaches, to unconsciousness. Can cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain, shortness of breath and coughing.

-SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE

EYE CONTACT: Severe irritation, tearing, redness, burning sensation and blurred vision

SKIN CONTACT: Brief contact may cause slight irritation with itching and local redness.

-SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

SKIN CONTACT: Prolonged or repeated contact can dry and defat skin causing cracking, irritation and dermatitis.

-INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE

INGESTION: Can cause gastrointestinal irritation, vomiting, nausea and diarrhea. Aspiration of material into lungs either during ingestion or vomiting can cause chemical pneumonitis, which can be fatal.

-HEALTH HAZARDS (ACUTE AND CHRONIC)

INHALATION: Dizziness, breathing difficulty, headaches and loss of coordination.

EYE CONTACT: Severe irritation, redness, tearing and blurred vision.

SKIN CONTACT: Can dry and defat skin causing cracks, irritation and dermatitis.

INGESTION: Can cause gastrointestinal irritation, vomiting, nausea and diarrhea.

No chronic health effects.

-CARCINOGENICITY

NTP CARCINOGEN: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

-MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE

Inhalation of material may aggravate asthma and inflammatory of fibrotic pulmonary disease.

Skin contact may aggravate an existing dermatitis.

-EMERGENCY AND FIRST AID PROCEDURES

INHALATION EXPOSURE: Move person to fresh air. If breathing stops, apply artificial respiration and seek medical attention immediately. If breathing is difficult, oxygen may be given by qualified personnel.

EYE CONTACT: Flush with large quantities of water for 15 minutes and seek medical attention without delay,

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preferably from an ophthalmologist.

SKIN CONTACT: Remove contaminated clothing. Wash affected area thoroughly with soap and water.

Consult a doctor. Wash clothing before reuse.

INGESTION: DO NOT INDUCE VOMITING; this can cause chemical pneumonitis and pulmonary edema.

Consult a physician immediately.

NOTE TO PHYSICIAN: There is no specific antidote. Treatment of overexposure should be directed at the control symptoms and the clinical condition of the patient. If it is considered necessary to evacuate the stomach contents, this should be done by means least likely to cause aspiration.

SECTION VI - REACTIVITY DATA

-STABILITY

Unstable

Stable

-HAZARDOUS POLYMERIZATION

May occur

Will not occur

-INCOMPATIBILITY (MATERIALS TO AVOID)

Alkaline materials, strong acids, and oxidizing materials

-CONDITIONS TO AVOID

Excessive heat, poor ventilation, corrosive atmospheres, excessive aging

-HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide, carbon dioxide, oxides of nitrogen, and possibly acrolein

= SECTION VII - SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Eliminate ignition sources, provide ventilation, dike the spill area, and add absorbent earth or sawdust to spilled material. Clean-up personnel should wear rubber gloves and respiratory protection. Prevent spill from entering drains, sewers, streams or other bodies of water. Notify authorities as required.

-WASTE DISPOSAL METHOD

Collect absorbent material into metal waste containers and dispose of in accordance with all local, state and federal hazardous waste regulations pertaining to the listed hazardous chemical.

SECTION VIII - SPECIAL PROTECTION INFORMATION

-RESPIRATORY PROTECTION

If spraying this material, use NIOSH approved cartridge respirator or gas mask suitable to keep airborne mists and vapor concentrations below the time weighted threshold limit values. When using in a poorly ventilated and confined space, use fresh air supplying respirator or a self-contained breathing apparatus.

-VENTILATION

General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below the TLV. Ventilation equipment should be explosion proof.

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-PROTECTIVE GLOVES

Wear impermeable chemical handling gloves for skin protection.

-EYE PROTECTION

Use chemical safety glasses, goggles or face shield for protection. Eye wash stations should be in working area.

-OTHER PROTECTIVE EQUIPMENT

Use impermeable clothing whenever possible to prevent skin contact. Safety showers and eye wash stations should be in working area.

-WORK/HYGIENIC PRACTICES

Handle all chemicals with caution and care. Always wash before eating, smoking or using toilet facilities. As with all chemicals, caution must be exercised through the prudent use of protective equipment and handling procedures to minimize exposure.

SECTION IX - SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a well-ventilated area, away from heat, sparks and open flames. Use non-sparking utensils when handling liquid materials. Use proper grounding procedures when transferring material. Keep containers closed when not using.

-OTHER PRECAUTIONS

Smoking in area where this material is stored or used should be strictly prohibited. Tools used with this material should be made from sparkless materials such as copper, brass or aluminum. Plastic utensils should not be used because they may generate static electricity that may spark.

Note: This information is accurate to the best knowledge of Stevens Roofing Systems, but is furnished without any expressed or implied warranties

SECTION X - ADDITIONAL REGULATORY INFORMATION

-SARA TITLE III SECTION 313

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent by Weight
109-99-9	TETRAHYDROFURAN	82.2

-SARA TITLE III/CERCLA

"Reportable Quantities" (RQs) and/or "Threshold Planning Quantities" (TPQs) exist for the following ingredients.

CAS #	Chemical Name	Percent by Weight	SARA/CERCLA RQ (lb)	RCRA Code	SARA EHS TPQ (lb)
109-99-9	TETRAHYDROFURAN	82.2	1,000	U213	Not Listed

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SECTION XI - DISCLAIMER

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Stevens Roofing Systems. The data on this sheet relates only to the specific material designated herein. Stevens Roofing Systems assumes no legal responsibility for use or reliance upon these data.