

EverGuard Steep Slope H2O Bonding Adhesive

Material Safety Data Sheet

Updated: 8/08



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GAF Materials Corporation
Material Safety Data Sheet
MSDS # 2102
MSDS Date: August 2008

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: EverGuard[®] Steep Slope H2O Bonding Adhesive (C-174070)

TRADE NAME: N/A

CHEMICAL NAME / SYNONYM: N/A

CHEMICAL FAMILY: Adhesive

MANUFACTURER: GAF Materials Corporation

ADDRESS: 1361 Alps Road, Wayne, NJ 07470

24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 9300

INFORMATION ONLY: 800 – 766 – 3411

PREPARED BY: Randy Redwine

APPROVED BY: Phil Curry

NFPA Hazard Rating

HMIS Hazard Rating

Health	1	Health	1
Flammable	0	Flammable	0
Reactive	0	Reactive	0
Special Hazards	-	Personal Protection	X

OSHA HAZARDOUS: Yes No

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Decabromodiphenyl Oxide	1163-19-5	1 – 5%	NE	NE	WEEL: 5 mg/m3
Alumina Trihydrate	21645-51-2	1 – 5%	NE	NE	NE
Antimony Oxide	1309-64-4	1 – 5%	5 mg/m3	5 mg/m3	REL: 5 mg/m3

OCCUPATIONAL EXPOSURE LIMITS

CHEMICAL NAME	CAS #	% (BY WT)	OSHA	ACGIH	OTHER
Non-Hazardous Ingredients	N/A	85 – 97%	NE	NE	NE

SECTION 3: HAZARDS IDENTIFICATION

PRIMARY ROUTE OF EXPOSURE: Eyes, Skin, Inhalation, Ingestion

SIGNS & SYMPTOMS OF EXPOSURE

EYES: May cause slight irritation to eyes on contact.

SKIN: May cause slight irritation to skin.

INGESTION: May cause gastrointestinal tract irritation if swallowed. Not expected under normal conditions of use.

INHALATION: Inhalation of mist or spray may cause irritation of the respiratory tract and nasal passages.

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

CARCINOGENICITY: See Section 11.

SECTION 4: FIRST AID MEASURES**FIRST AID PROCEDURES**

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes.

SKIN: Wash affected area immediately with soap and water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. If symptoms develop and persist, get medical attention.

INGESTION: DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms develop and persist.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 5: FIRE FIGHTING PROCEDURES

SUITABLE EXTINGUISHING MEDIA:	Use media appropriate for surrounding material.
HAZARDOUS COMBUSTION PRODUCTS:	Oxides of carbon, oxides of nitrogen, irritating organic vapors. Hydrogen bromide (HBr).
RECOMMENDED FIRE FIGHTING PROCEDURES:	N/A
UNUSUAL FIRE & EXPLOSION HAZARDS:	N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:	Prevent product from entering drains or open waters. Small spills can be absorbed with vermiculite, clay or other suitable non-biodegradable absorbent material, scooped up and placed in containers. For large spills dike ahead and collect liquid.
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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE:	Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not taste or swallow. Do not breathe mist or vapors. Keep container closed. Wash thoroughly after handling.
OTHER PRECAUTIONS:	N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS / VENTILATION:	Use local exhaust ventilation if the potential for airborne exposure exists.
RESPIRATORY PROTECTION:	Use a NIOSH approved respirator if ventilation is inadequate. Observe OSHA regulations for respiratory use (29 CFR 1910.134).
EYE PROTECTION:	Full face protection should be used if the potential for splashing or spraying of product exists.
SKIN PROTECTION:	Use impermeable gloves as necessary to prevent skin contact.
OTHER PROTECTIVE EQUIPMENT:	Use protective clothing as necessary to prevent skin contact.

WORK HYGIENIC PRACTICES: Wash exposed skin prior to eating, drinking, or smoking and at the end of each shift.

EXPOSURE GUIDELINES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR:	Off-White liquid with a characteristic odor.		
FLASH POINT:	N/A	LOWER EXPLOSIVE LIMIT:	N/A
METHOD USED:	N/A	UPPER EXPLOSIVE LIMIT:	N/A
EVAPORATION RATE:	0.36	BOILING POINT:	Approx. 100 °C (212 °F)
pH (undiluted product):	7 – 9	MELTING POINT:	0 °C (32 °F)
SOLUBILITY IN WATER:	Miscible	SPECIFIC GRAVITY:	1.10 at 20 °C
VAPOR DENSITY:	N/A	PERCENT VOLATILE:	N/A
VAPOR PRESSURE:	N/A	MOLECULAR WEIGHT:	N/A
VOC WITH WATER (LBS/GAL):	N/A	WITHOUT WATER (LBS/GAL):	< 0.10%

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: **STABLE X** **UNSTABLE**

CONDITIONS TO AVOID (STABILITY): Storage with incompatible materials.

INCOMPATIBILITY (MATERIAL TO AVOID): Keep away from strong oxidizing agents, strong Lewis or mineral acids.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Oxides of carbon. Hydrogen bromide (HBr). Thermal decomposition can lead to release of irritating gases and vapors.

HAZARDOUS POLYMERIZATION: None under normal processing.

SECTION 11: TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL
INFORMATION:**

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Decabromodiphenyloxide 1163-19-5	No	No	No
Alumina trihydrate 21645-51-2	No	No	No
Antimony oxide 1309-64-4	No	Group 2B	Yes

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Decabromodiphenyloxide 1163-19-5	Irritant, Thyroid
Alumina trihydrate 21645-51-2	Irritant, Lung, Respiratory
Antimony oxide 1309-64-4	Cardiac, Developmental, Eyes, Gastrointestinal, Irritant, Kidney, Liver, Lung, Mutagen, Nervous System, Reproductive, Sensory, some evidence of carcinogenicity

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of according to Federal, State and local governmental regulations. Processing, use or contamination of this product may change the hazard classification and waste management options.

RCRA HAZARD CLASS: This product may contain traces of arsenic, lead and may be classified as a hazardous waste (waste number(s) D004, D008) under EPA RCRA (40 CFR 261.24). However this product is only classifiable as hazardous waste if it exhibits the characteristics of toxicity as shown by the toxicity

characteristic leaching procedure (TCLP). Under RCRA, it is the responsibility of the end user of this product to determine whether it meets this criteria at the time of disposal.

SECTION 14: TRANSPORTATION INFORMATION

U.S. DOT TRANSPORTATION

PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: N/A
OTHER: N/A

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

CERCLA: N/A

SARA

311/312 HAZARD CATEGORIES: Immediate Health Hazard, Delayed Health Hazard

313 REPORTABLE INGREDIENTS: Decabromodiphenyloxide (CAS# 1163-19-5). Antimony oxide (CAS# 1309-64-4).

CALIFORNIA PROPOSITION 65: This product contains a chemical known to the state of California to cause cancer and birth defects, or other reproductive harm.

Other state regulations may apply. Check individual state requirements. The following components appear on one or more of the following state hazardous substances lists:

Chemical Name	CAS #	CA	MA	MN	NJ	PA	RI
Decabromodiphenyl Oxide	1163-19-5	No	No	Yes	Yes	Yes	No
Alumina Trihydrate	21645-51-2	No	No	No	No	No	No

Antimony Oxide	1309-64-4	Yes	Yes	Yes	Yes	Yes	Yes
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SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: N/A
DATE OF PREVIOUS MSDS: N/A
CHANGES SINCE PREVIOUS MSDS: New MSDS

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.