

Material Safety Data Sheet

X-Tenda Coat Flashing Grade Coating

MSDS No. 303496

Date of Preparation: 3/04/09

Revision: 002

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: X-Tenda Coat Flashing Grade Coating
Chemical Formula: Mixture
General Use: Flashing Coating
Manufacturer: Carlisle SynTec Incorporated, 1285 Ritner Highway, Carlisle, PA 17013, Phone: (800)479-6832
24 Hour Emergency Phone Number: CHEMTREC (USA) 800-424-9300

Section 2 - Hazards Identification

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Warning – Causes serious eye irritaion.
 Warning – Causes mild skin irritation.
 Warning - May cause respiratory irritation.

HMIS
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Potential Health Effects

Primary Entry Routes: Skin contact, eye contact, ingestion, inhalation.

Target Organs:

Acute Effects:

Inhalation: Vapor or spray mist can cause headache, nausea and irritation of the nose, throat and lungs.
Eye: Contact with vapor and/or spray mist may irritate the eyes. Eye contact with liquid may result in severe irritation.
Skin: Slightly irritating to the skin.
Ingestion: May cause abdominal pain, nausea and vomiting.

Carcinogenicity: This product contains calcium carbonate, which contains a trace amount of naturally occurring crystalline silica. Silica is capable of causing lung damage (silicosis) and is considered to be an IARC 2A carcinogen.

NTP Carcinogen: No **IARC Monographs:** Yes **OSHA Regulated:** Yes

Medical Conditions Aggravated by Long-Term Exposure: Persons with pre-existing eye or pulmonary disease may be susceptible to aggravation from exposure.

Chronic Effects: Not established.

Section 3 – Ingredient Information

Ingredient Name	CAS Number	% wt or % vol
Aqueous Acrylic Emulsion	MIXTURE	30 - 60
Calcium Carbonate	471-34-1	10 - 30
Iron Oxide	Mixture	3 - 7
Mica	12001-26-2	1 - 5
Aluminum Trihydroxide	1344-28-1	7 - 13
Isobutane (encapsulated in polymer)	75-28-5	1 - 5

Additional Ingredients (>3%)

Trace Impurities: Quartz (in Mica) CAS # 14808-60-7, Crystalline Silica (in Calcium Carbonate)

Ingredient	TWA	STEL	OSHA PEL	
			TWA	STEL
Aqueous Acrylic Emulsion Ammonia	None established	35 ppm	25 ppm	35 ppm
Calcium Carbonate	15 mg/m ³ total dust 5 mg/m ³ respirable dust	None established	10 mg/m ³	None established
Iron Oxide	6 mg/m ³	None established	10 mg/m ³	None established
Aluminum Trihydroxide	15 mg/ m ³	None established	10 mg/m ³	None established
Mica	0.1 mg/m ³ respirable dust	None established	20 MPPCF respirable dust	3 mg/ m ³
Quartz	0.1 mg/ m ³ respirable dust	None established	0.1 mg/ m ³ respirable dust	None established

Section 4 - First Aid Measures

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention immediately.

Eye Contact: Immediately flush eyes with running water for at least 15 minutes. If redness, itching or a burning sensation develops, see a physician.

Skin Contact: Remove contaminated clothing/shoes and wipe off excess from skin. Wash exposed area with soap and water. If redness, itching or a burning sensation develops, get medical attention.

Ingestion: Do not induce vomiting. Get medical attention immediately.

Note to Physicians: None for this material.

Section 5 - Fire-Fighting Measures

Flash Point: >205°F (>96°C)

Flash Point Method: Seta Flash Closed Cup

Autoignition Temperature: unknown

Flammability Classification:

Extinguishing Media: Use dry chemical, carbon dioxide, foam, waterfog or spray as appropriate for surrounding fire.

Unusual Fire or Explosion Hazards: Use water spray to cool fire exposed structures and to cool fire exposed containers to prevent pressure build-up and possible rupture of container. Materials can splatter above 212°F/100°C.

Hazardous Combustion Products:

Fire-Fighting Instructions: Do not enter any enclosed or confined fire space without full protective equipment, including self-contained breathing apparatus (pressure-demand MSHA/NIOSH approved or equivalent) to protect against the hazardous effects of combustion products and oxygen deficiency.

Fire-Fighting Equipment:

Section 6 - Accidental Release Measures

Spill /Leak Procedures:

Small Spills: Wear skin, eye and respiratory protection during clean up. Evacuate area of all non-essential personnel. Shut off or remove all ignition sources. Ventilate spill area. Dike, and contain and/or absorb with inert material (sand, earth or other suitable non-combustible material) to prevent entry into storm drains, sewers and other unauthorized treatment/drainage systems and natural waterways. If spill occurs near air inlets or inside, turn off heating or air-conditioning equipment to prevent contaminating buildings.

Large Spills: Use same procedure as small spill.

Containment: Scoop up and place in approved containers for proper disposal. Cover with lid.

Regulatory Requirements: Follow applicable OSHA regulations

Section 7 - Handling and Storage

Handling Precautions: Avoid prolonged skin or eye contact. Avoid breathing of vapors and mists. Do not cut, grind, weld, or drill on or near this container. This coating may contain materials classified as nuisance particulates/dust, which may be present at hazardous levels only during spray operations or sanding/abrading of the dried film. Do not take internally. Use only in a well ventilated area. Keep out of the reach of children.

Storage Requirements: Keep from freezing. Keep container cool and dry. Keep container tightly closed when not in use. Do not get in eyes, on skin or on clothing. Avoid subjecting this product to extreme temperature variations. Containers, even those that have been emptied, will retain product residue and vapors and are subject to proper waste disposal, as above.

Section 8 - Exposure Controls / Personal Protection

Hazardous Ingredients:

Ingredient	TWA	STEL	TWA	STEL
Aqueous Acrylic Emulsion Ammonia	None established	35 ppm	25 ppm	35 ppm
Calcium Carbonate	15 mg/m ³ total dust 5 mg/m ³ respirable dust	None established	10 mg/m ³	None established
Iron Oxide	6 mg/m ³	None established	10 mg/m ³	None established
Aluminum Trihydroxide	15 mg/ m ³	None established	10 mg/m ³	None established
Mica	0.1 mg/m ³ respirable dust	None established	20 MPPCF respirable dust	3 mg/ m ³
Quartz	0.1 mg/ m ³ respirable dust	None established	0.1 mg/ m ³ respirable dust	None established

Engineering Controls: Use local exhaust ventilation with a minimum capture velocity of 100 ft/min (.05 m. sec.) at the point of vapor evolution. Refer to the current edition of industrial ventilation: a manual of recommended practice published by the American Conference of Governmental Industrial Hygienists for Information on the Design, Installation, Use and Maintenance of Exhaust Systems.

Administrative Controls:

Respiratory Protection: Wear a NIOSH approved respirator appropriate for the vapor of mist concentration at the point of use. Appropriate respirators may be full-face piece or a half mask air purifying cartridge respirator equipped for organic vapors/mists, a self-contained breathing apparatus in the pressure demand mode, or a supplied air respirator. Refer to OSHA standard 29 CFR 1910.134 for additional information.

Protective Clothing/Equipment: The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation. NOTE that PVA degrades in water. Use Chemical Goggles if splashing may occur or during spray operations wear a face shield, unless a full-face piece respirator is used. Do not wear contact lenses as they may contribute to the severity of injury to the eye from exposure to liquid and/or vapors and spray mist. A long sleeved shirt, trousers, safety shoes and gloves should be worn. Impervious clothing should be worn as needed and protective clothing should be selected and used in accordance with "Guidelines for the Selection of Chemical Protective Clothing" published by ACGIH (American Conference of Governmental Industrial Hygienists). Inspect protective gloves and clothing for holes before each use, and discard upon evidence of holes, cracks or leaks.

Safety Stations: An eyewash station and safety shower should be available & ready for use.

Contaminated Equipment: Comments: Promptly remove contaminated clothing and launder before wearing again. Discard contaminated leather articles.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Appearance and Odor: Highly thixotropic liquid with a faint ammoniacal odor

Vapor Pressure: 17 mm Hg at 68 °F (20 °C) water

Vapor Density (Air=1): Lighter than air

Specific Gravity (H₂O=1, at 4 °C): 1.15

Water Solubility: Soluble

Boiling Point: 212°F(100°C)

Coating VOC: 7 g/l

Material VOC: 4 g/l

Evaporation Rate: Slower than ether

Flash Point: >205° F (>96° C)

Autoignition Temperature: Unknown

Section 10 - Stability and Reactivity

Stability: Stable

Possibility of hazardous reactions: Will not occur.

Chemical Incompatibilities: Avoid strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite or calcium hypochlorite.

Conditions to Avoid: Avoid temperatures above 350°F/177°C, the onset of polymer decomposition. Thermal decomposition is dependant on time and temperature.

Hazardous Decomposition Products: Thermal decomposition may yield acrylic monomer, carbon monoxide and carbon dioxide. Unidentified organic compounds in fumes and smoke may be formed during combustion.

Section 11 - Toxicological Information

Toxicity Data:

Eye Effects: Eye irritant – Rabbit:
Inconsequential irritation.

Skin Effects: Skin irritant – Rabbit: Practically non-irritating. Dermal LD50-Rabbit: >5000 mg/kg.

Reproductive: This product has not been tested. No data available.

Ingestion: Oral LD50 Rat: >5000 mg/kg.

Acute Inhalation Effects: Headache, nausea, abdominal pain and irritation of the nose, throat and lungs.

Acute Oral Effects: This product has not been tested. No data available.

Chronic Effects: Not established. The effects of overexposure are based on the toxicity profiles for a number of acrylic emulsions that are compositionally similar to this emulsion.

Carcinogenicity:

NTP Carcinogen: No

IARC Monographs: Yes

OSHA Regulated: Yes

Mutagenicity: This product has not been tested. No data available.

Teratogenicity: This product has not been tested. No data available.

Section 12 - Ecological Information

Ecotoxicity: Inherent biodegradability (OECD 302B): This type of product is not biodegradable but readily bioeliminable. Emulsion polymer biodegradation is generally considered limited and dependent on polymer size and origin of treatment sludge. However, most of these polymers readily absorb onto water treatment sludge and therefore would be bioeliminable from effluents.

Activated sludge respiratory inhibition (OECD 209): >100mg/l (Non-inhibiting)

Algae (Seleanastrum Capricornutum), 74 hour EC50:>100ppm (non-toxic)

Rainbow Trout (Oncorhynchus Mykiss), 95 hour LC50: >100ppm (non-toxic)

Daphnia Magna, 47 hour EC50: >100ppm (non-toxic)

Microtox, 15 minute EC50: >300ppm (non-toxic)

Soil Absorption/Mobility: This product has not been tested. No data available.

Section 13 - Disposal Considerations

Disposal: Dispose of unused product or contaminated product and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state and local regulatory agencies to ascertain proper disposal procedures. Incineration is acceptable and the preferred method of disposal, however; nitrogen oxide emissions controls may be required to meet specifications. Chemical and biological degradation is possible. Empty containers will retain product residue and vapors are subject to proper waste disposal, as above.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): NOT REGULATED

Section 15 - Regulatory Information

EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification : Not classified

CERCLA Hazardous Substance (40 CFR 302.4) listed/unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ): None Known.

SARA 311/312 Codes:

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910.1200)

State Regulations: California Proposition 65: These chemicals are not listed in the California Proposition 65 to be carcinogens or reproductive toxicants.

Canadian WHMIS: Does not classify as hazardous

Canadian Environmental Protection Act (CEPA): No Information.

Section 16 - Other Information

Prepared By: Research and Development

Revision Notes: General revision

Additional Hazard Rating Systems:

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