

MATERIAL SAFETY DATA SHEET

Business Hours 8:00 am - 5:00 pm
Emergency Telephone Number
972/442-6545

HARDCAST PRODUCTS
CARLISLE COATINGS AND WATERPROOFING, INC.
Subsidiary of Carlisle Corporation
900 Hensley Lane Wylie, Texas 75098

FOR TRANSPORTATION EMERGENCIES
CALL CHEMTREC 800/424-9300

SECTION I

PRODUCT NAME & SYNONYMS FLEX GRIP 550	CHEMICAL FAMILY Synthetic Resins	HMIS RATINGS HEALTH 1 FLAMMABILITY 0 REACTIVITY 0
PRODUCT USE Duct Sealer	FORMULA Mixture	

SECTION IIA - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	%	OSHA PEL			LD50 of	LC50 of
			TWA	STEL	Ceiling	Ingredient	Ingredient
Methanol	67-56-1	1-3	200ppm	250 ppm	None	oral-rat: 1 HL LCLo:	
						5628 mg/kg	64,000

SECTION IIB - ADDITIONAL INGREDIENTS (> 3%)

Resins	CAS #	Proprietary	Chlorinated paraffin	CAS # 63449-39-8 Blend
Resins	CAS #	Proprietary	Kaolin	CAS # 1332-58-7
Calcium Carbonate	CAS #	1317-65-3	Water	CAS # 7732-18-5

SECTION III - PHYSICAL DATA

SPECIFIC GRAVITY 1.27	BOILING POINT 212°F (100°C)	% VOLATILES BY WT 38%	VAPOR DENSITY (Air = 1) Not Established
VAPOR PRESSURE Not Established	FREEZING POINT 32°F (0°C)	SOLUBILITY IN WATER Appreciable	EVAPORATION RATE Not Established
pH 9.0 - 10.0	PHYSICAL STATE Mastic	ODOR THRESHOLD Not Established	VOC 70 gms/liter (water excluded)

ODOR & APPEARANCE

Gray gunnable sealant with characteristic odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY Not Flammable	IF YES, UNDER WHAT CONDITIONS		
FLASHPOINT None	AUTOIGNITION TEMPERATURE Not Applicable	LOWER FLAMMABLE LIMIT Not Applicable	UPPER FLAMMABLE LIMIT Not Applicable

HAZARDOUS COMBUSTION PRODUCTS

Combustion may yield normal combustion byproducts: carbon dioxide, carbon monoxide, or nitrous oxides.

EXTINGUISHING MEDIA

None needed for liquid. For dry film, use water, foam, Carbon dioxide, or dry chemical

SPECIAL FIREFIGHTING PROCEDURES

Follow normal fire fighting procedures. Firefighters should wear self-contained breathing apparatus, especially in enclosed areas. Cool drums and minimize vapor with water spray.

UNUSUAL FIRE & EXPLOSION HAZARDS

This product is not sensitive to physical shock or static discharge. Emulsion will not burn.
Exposure of closed container to temperatures above the boiling point could cause pressure buildup and container rupture. Dry mastic is capable of burning.

SECTION V - REACTIVITY DATA

This product is chemically stable. Hazardous polymerization will not occur.	CONDITIONS TO AVOID Freezing or boiling.
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INCOMPATIBILITY

Materials that react with water such as concentrated acids, calcium carbide, sodium.

DECOMPOSITION PRODUCTS

Combustion may yield carbon dioxide, carbon monoxide, or nitrous oxides.

SECTION VI - TOXICOLOGICAL PROPERTIES

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Due to concentration, ingestion, skin contact, or inhalation of sufficient quantities to induce symptoms unlikely.
Eye Contact: This material may cause eye irritation. Direct contact with liquid may cause stinging, tearing, redness.
Skin Contact: This material is not expected to be a skin irritant. Skin absorption is unlikely. If left on skin, a film will form. Based on method of removal, irritation may result.

Inhalation of sufficient quantities to induce symptoms unlikely.

Inhalation: Breathing high concentrations of vapors may cause nausea & irritation of nose, throat, & respiratory tract.

Respiratory symptoms associated with preexisting lung disorders may be aggravated by exposure to this mat'l.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

EXPOSURE LIMITS	SENSITIZATION TO PRODUCT	IRRITANCY OF PRODUCT	SYNERGISTIC PRODUCTS
None established	May cause skin sensitization in some individuals.	May irritate skin, eyes, and respiratory tract.	None known
CARCINOGENICITY	MUTAGENICITY & TUMORIGENICITY	REPRODUCTIVE TOXICITY	TERATOGENICITY
No evidence	No evidence	No evidence	No evidence

SECTION VII - PREVENTIVE MEASURES

EYE PROTECTION

Safety Glasses, Goggles, Face Shield recommended

GLOVES

Hycron, neoprene, or nitrile gloves recommended.

RESPIRATOR

No special protection necessary

FOOTWEAR

No special protection necessary

OTHER

Avoid unnecessary contact with this and any other chemical. Wash thoroughly after handling all chemicals.

No special protection necessary. Source of clean water should be available for flushing eyes and washing skin.

ENGINEERING CONTROLS

No special control measures necessary under normal conditions of use.

LEAK OR SPILL PROCEDURE

Contain & remove with inert absorbent material.

Prevent spills, runoff, and washings from entering public sewers and open bodies of water.

WASTE DISPOSAL

Dispose of in accordance with all local, state, and federal regulations.

HANDLING PROCEDURES & EQUIPMENT

Normal use condition doesn't produce respirable Silica. However, sanding, grinding and burning might release respirable Silica.

Keep out of reach of children. Launder contaminated clothing.

Wash with soap and water after use, especially before eating or drinking.

STORAGE REQUIREMENTS

Store in a cool, dry location away from heat. Keep containers tightly closed and store with adequate ventilation.

Do not pressurize, cut weld or grind the containers or empty containers which may contain residual product & vapors.

SPECIAL SHIPPING INFORMATION

Avoid freezing & subjecting this product to temperature extremes. Class 60 Item Number 4620 Sub 5

SECTION VIII - FIRST AID MEASURES

EYE CONTACT

Immediately flush with running water for at least 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT

Wash exposed area with soap and water. Get medical attention if irritation persists.

INHALATION

Remove to fresh air. If symptoms persist, seek medical attention. If necessary, give artificial respiration.

INGESTION

Do not induce vomiting. Get medical attention.

SECTION IX - REGULATORY INFORMATION

This product doesn't contain the following toxic chemicals subject to the reporting requirements of SARA 313 of the Emergency Planning & Community Right-to-Know Act of 1986 & of 40CFR 372.

CHEMICAL NAME	CAS #	%
Methanol	67-56-1	1-3
PA, FL, MA, MN, NJ, WA:		
CHEMICAL NAME	CAS #	%
Methanol	67-56-1	1-3