



SAFETY DATA SHEET

Section 1: Identification of the Product/Company

Product Identifier: SMART SHIELD

Product Name: ELASTO-PREMIUM, ELASTO-PREMIUM UDT, ELASTO-PREMIUM GLOSS

Product Code: EPM5, EPM1, EPMWC5, EPMWC1, EPMG5, EPMG1

Relevant identified uses of the substance or mixture

Recommended use:

For professional use in the construction industry as an elastomeric coating over masonry and cementitious substrates (wall and roof) to aid in strongly resisting water and moisture intrusion

Uses advised against:

None identified, use only as stated on the label

Details of the supplier of the safety data sheet

Manufacturer:

Emergency Contact

Distributed Through Storm Shield Coating Systems Inc,
Dba Roofprotect Products
2719 Hollywood Blvd Hollywood Fl, 33020.
For Additional Information or Handling

Please call 954-210-9614 Option 1

Section 2: Hazards Identification

Classification of the substance or mixture

This product contains certain ingredients subjected to GHS classification

GHS-US classification

Skin corrosion/irritation:

Category 2, H315

Serious eye damage/eye irritation

Category 1, H318

Carcinogenicity:

Category 2, H351



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Hazardous to Aquatic Environment, Acute: Category 1, H400
Hazardous to Aquatic Environment, Long term: Category 1, H410
Hazardous to Aquatic Environment, Acute: Category 3, H402
Hazardous to Aquatic Environment, Long term: Category 3, H412

Label elements

GHS-US labeling

The substance is classified and labeled according to the Globally Harmonized System (GHS).



GHS09

GHS08

GHS05

Hazard Pictograms (GHS-US)

Signal words (GHS-US):

Danger

Hazards statements (GHS-US):

H315 Causes skin irritation
H351 Suspected of causing cancer
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H402 Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects

Precautionary statements (GHS-US)

Prevention:

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P273 Avoid release to the environment
P280 Wear protective gloves, clothing, and eye/ face protection

Response:

P302+P352: IF ON SKIN: Wash with plenty soap and water



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P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor / physician
P314: Get medical advice/attention if you feel unwell
P321: Specific treatment (see supplemental first aid instructions on this label)
P332+P313: If skin irritation occurs: Get medical advice / attention
P362: Take off contaminated clothing and wash before reuse

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed

Disposal:

P501: Dispose of contents and containers in accordance with local, regional and international regulations

Precautionary statements are listed according to the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS)-Annex III

Other hazards

No other information available

Unknown acute toxicity (GHS-US)

No data available

Section 3: Composition/information on ingredients

Substances

Name	Product Identifier	% by weight	GHS-US classification



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Calcium Carbonate	CAS # 1317-65-3 EINECS # 215-279-6	0-50	Not Classified
Titanium Dioxide	CAS # 13463-67-7 EINECS # 236-675-5	0-25	Carcinogen 2, H351
Zinc Oxide	CAS # 1314-13-2 EINECS # 215-222-5	0-15	Aquatic Acute toxicity 1, H400 Aquatic Chronic toxicity 1, H410
2-Amino-2-methyl propanol	CAS # 124-68-5 EINECS # 204-709-8	0-5	Skin irritant 2, H315 Eye Damage 2, H318 Aquatic Acute toxicity 3, H402 Aquatic Chronic toxicity 3, H412

Amounts specified are typical and do not represent a specification. Any other ingredients are either proprietary, non-hazardous or present in amounts below the reportable limits.

Section 4: First aid measures

Description of necessary first aid measures

First-aid measures general:

Remove contaminated clothing

First-aid measures after inhalation:

If affected, remove to fresh air. Assist in breathing if necessary

First-aid measures after skin contact:

Immediately remove contaminated clothing and shoes. Launder clothing before reuse. Seek medical attention if symptoms of irritation or burns occur.

First-aid measures after eye contact:

Flush with copious amount of water for at least 15 minutes. If irritation develops, seek medical attention.

First-aid measures after ingestion:

Do not induce vomiting. Call a physician or poison control center immediately for further instructions. Never give anything by mouth to an unconscious or convulsing person. If person is conscious, rinse out the mouth with water and give plenty of water to drink. Get medical attention immediately.

Most important and effects, both acute and delayed

Symptoms:

None expected due to the non-classification of the product.



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Indication of any immediate medical attention and special treatment needed
Treat symptomatically

Section 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water spray, foam, dry powder

Unsuitable extinguishing media:

None known

Special hazards arising from the substance or mixture

Fire hazard:

Poses no fire related hazard. No particular hazards known

Explosion hazard:

Non-explosive

Reactivity:

Will not facilitate or support combustion of other materials.

Advice for firefighters

Firefighting instructions:

Not required

Protection during firefighting:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Additional information

Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

General measures:

Wear protective equipment as described under Section 8 and follow the advice of safe handling and use given under Section 7. Emergency procedures are not required.

For non-emergency personnel

Protective equipment:

Wear chemical resistance (impervious) gloves



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Emergency procedures:

High risk of slipping due to spillage/leakage of product

For emergency responders

Protective equipment:

Not Applicable

Emergency procedures:

Not Applicable

Environmental precautions

Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (e.g. sand, sawdust, etc.).

Dispose of absorbed material in accordance with regulations.

For large amounts: Pump off products

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for disposal information

Precautions for safe handling

Precautions for safe handling:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

Hygiene measures:

General occupational hygiene measures are required to ensure safe handling of the product. These measures involve good personal and house-keeping practices. Wash hands after use if contaminated. Avoid wearing contaminated clothing. In dusty environment, wear dust mask, protective goggles and gloves.

Conditions for safe storage, including any incompatibilities

Storage conditions:

Store protected against freezing

Incompatible products:

See section 10

Incompatible materials:

See section 10

Storage area:

The product should be stored in a cool, dry and well-ventilated area, at ambient temperature directly out of the sunlight.



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Section 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits:

Chemical Name	CAS #/EINECS#	EXPOSURE LIMITS
Titanium Dioxide	13463-67-7 / 236-675-5	OSHA PEL 15 mg/m ³ ACGIH TLV 10 mg/m ³
Calcium Carbonate	1317-65-3 / 215-279-6	OSHA PEL 5 mg/m ³ ACGIH TLV 10 mg/m ³
Zinc Oxide	1314-13-2 / 215-222-5	NIOSH TWA 5 mg/m ³ ACGIH TLV 2 mg/m ³

Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas.

Personal protective equipment:

Wear fire-proof clothing, protective goggles and gloves. Wear respiratory protection in a poor ventilated environment.

Hand protection:

Wear chemically resistant protective gloves

Eye protection:

Chemical goggles or safety glasses with side-shields should be worn especially in a splashing environment. Use contact lenses solely is not recommended.

Respiratory protection:



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Wear respiratory protection if ventilation is inadequate.

Thermal hazard protection:

Wear suitable protection clothing

Other information:

Hands or face should be washed before breaks and at the end of and shift. Avoid contact with skin and eyes.

Section 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	Liquid
Appearance:	Viscous dispersion
Color:	White or Colored
Odor:	Slight amine
Odor threshold:	Not available
pH:	>8.0
Relative evaporation rate (butyl acetate=1):	<1 Slower
Melting point:	>32 ° F
Boiling point:	>212 ° F
Auto-ignition temperature:	Not available
Decomposition temperature:	Not Determined
Flammability (solid, gas):	Not Applicable
Vapor pressure:	>1 mm Hg @ 20 ° C
Flash Point:	Not Applicable
Flash Point Method:	Not Applicable
Relative vapor density @ 20 ° C:	Heavier than air
Relative density:	1.30-1.50
Density:	10.83-12.5 lbs / gal
Solubility:	Diluted with water
Log Pow:	Not available
Log Kow:	Not available
Viscosity, kinematic:	Not available
Viscosity, dynamic:	Not available
Explosive properties:	Non-explosive
Oxidizing properties:	None known
Explosive limits:	Not Applicable

Other information:

No further relevant information available



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Section 10: Stability and reactivity

Reactivity

Not applicable

Chemical Stability

Product is stable under normal storage conditions

Conditions to Avoid

Avoid extreme heat and freezing conditions

Incompatible Materials

No materials to be especially mentioned.

Hazardous Decomposition Products

None under normal use.

Section 11: Toxicological information

Information on toxicological effects

TOXICITY MEASURES:

Chemical Name	LD50/LC50
Titanium Dioxide	Oral LD50: Rat >10,000 mg/kg GHS LC50 (vapor): Rat 55 mg/L
Zinc Oxide	Oral LD50: Mouse 7,950 mg/kg Inhalation LC50 : Mouse 2,500 mg/L
Calcium Carbonate	Oral LD50: Rat 6,450 mg/kg
2-Amino-2-methyl propanol	Oral LD50: Rat 2,900 mg/kg Dermal LD50: Rabbit >2,000 mg/kg

Primary routes of exposure:

Routes of entry are ingestion and inhalation, but may include eye or skin contact.

Acute toxicity:

Assessment of acute toxicity: Virtually non-toxic after a single ingestion. Virtually non-toxic after a single skin contact. Virtually non-toxic after inhalation. Ingestion may cause gastrointestinal disturbances.

Chronic toxicity:

No delayed chronic test data are known



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Other information:

The product is considered to be harmless to health if used in the correct manner

Section 12: Ecological information

All work practices must be aimed at eliminating environmental contamination.

Toxicity

As far as present knowledge, the product in general is non-toxic but contains small quantities of 2-Amino-2-methyl propanol and zinc oxide that is toxic to aquatic life

Persistence and degradability

The product can be virtually eliminated from water by abiotic processes e.g. adsorption onto activated sludge.

Bioaccumulation:

Accumulation in organisms is not to be expected

Mobility

No data available

Other adverse effects

Not determined for this product

Section 13: Disposal considerations

Waste treatment methods

Regional legislation (waste):

Dispose of waste and unused contents in accordance with national and local regulations.

Waste disposal recommendations:

Ensure the use of properly authorized waste management companies where appropriate or uncertain.

Section 14: Transport information

The product is not covered by the international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID) and therefore no classification is required.



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Section 15: Regulatory information

U.S. Federal Regulations

U.S. OSHA Regulatory Status:

This material is not classified as hazardous under OSHA regulations

U.S SARA Reporting Requirements:

The following components of this product are subject to reporting requirements of sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act.

CHEMICAL	SECTION 302 EHS (TPQ) (40 CFR 355, Appendix A)	SECTION 304 RQ (40 CFR Table 302.4)	SECTION 313 TRI (40 CFR 372.65)

Not considered hazardous

A Section 311/312 (40 CFR 370) Hazard Categories:

ACUTE: No; CHRONIC: No; FIRE: No; REACTIVE: No; SUDDEN RELEASE: No

Toxic Substances Control Act (TSCA):

All components of this product are included on the TSCA inventory

U.S. CERCLA Reportable Quantity (RQ):

This product is not listed under CERCLA

U.S. Clean Air Act Threshold Quantity (TQ):

This product is not listed.

U.S. Clean Water Act Requirements:

This product is not listed

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65):

This product contains crystalline silica, quartz and may also contain trace amounts of other chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

DSL:

All chemical substances in this product comply with CEPA 1999 and NSNR and are on or exempted from listing on the Canadian Domestic Substances List (DSL).

European Inventory of Existing Chemicals (EINECS):

All of the components of this product are included on EINECS.

Section 16: Other information

Indication of changes:

Other information:

Full text of H phrases:



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NFPA health hazard: 1-May be irritating

NFPA fire hazard: 0-Not combustible

NFPA reactivity: 0-Normally stable, even under fire exposure conditions, and not reactive with water

Notice to Reader

The information provided herein is believed to be accurate at the time of preparation or prepared from sources deemed to be reliable, but it is the full responsibility of the user to investigate and comprehend other pertinent sources of information, to comply with all laws and procedures applicable to the safe handling and use of the product and to determine the suitability of the product for its intended use. Acrylux Paint Manufacturing Co., makes no warranty, expressed or implied, concerning the product or merchantability or fitness for any purpose or concerning the accuracy of any information provided by Acrylux Paint Manufacturing Co., except that the product shall conform to Acrylux Paint Manufacturing Co.,.

Distributed Through Storm Shield Coating Systems Inc,
Dba Roofprotect Products
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