

SAFETY DATA SHEET

F9100 SUPER ARMOR MOISTURE CURE PRESERVATION COATING

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

F9100 SUPER ARMOR MOISTURE CURE PRESERVATION COATING

1.2 Relevant identified uses of the substance or mixture and uses advised against

Clear moisture cure liquid rubber for preserving masonry and porous substrates

1.3 Details of the supplier of the safety data sheet

Company Name: Pro Guard Coatings, Inc.

Address: One Industrial Way

Address: Denver, PA 17517

Tel: 717-336-7900

Fax: 717-336-7320

1.4 Emergency telephone number

In case of emergency Tel. Chemtrec: 800-424-9300

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification in accordance with the Dangerous Preparations Directive 1999/45/EC

Xi; R36/38

R43

R10

R67

N; R51/53

Classification in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Skin Sens. 1 H317
STOT SE Cat. 3 H336
Aquatic Chronic Cat, 2 H411
Flammable Liquid Cat. 3, H226

2.2 Label elements

Labelling in accordance with the Classification Labelling and Packaging Regulation EC (no) 1272/2008



WARNING

H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
P280 Wear protective gloves/protective clothing/eye protection/face protection.
H336 May cause drowsiness or dizziness
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container as hazardous waste
P210 Keep away from heat/sparks/open flames/hot surfaces – no smoking
P271 Use only outdoors or in a well ventilated area
P403 + P233 Store in a well ventilated area

2.3 Other hazards

No physical hazards are anticipated.
Expected to be irritant.

SECTION 3: Composition

3.1 Substances

Not applicable, product is a mixture.

3.2 Mixtures

A mixture of polymers, solvents and additives.

Name	CAS No.	Concentration % w/w	Classification
Polyester Resin Modified	N/A	>25%	Not Classified
Hydroxy terminated linear polyester polyol	N/A	<5.0%	Not Classified
4-Chloro-alpha...alpha...alpha - trifluorotoluene	98-56-6	>20.0%	Xi; R36/38, R43 DSD 67/548/EEC Skin Irrit. 2 H315, Eye Irrit. 2 H319 Skin Sens. 1 H317 CLP 1272/2008

See section 16 for full description of R phrases and H statements.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

EYE CONTACT: Rinse thoroughly with water for several minutes, whilst gently holding the eyelids open. Obtain medical attention if signs of discomfort.

INHALATION: Remove from exposure and keep warm and at rest. If breathing becomes difficult call a doctor. If breathing stops, begin artificial respiration and seek immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash off with soap and water. Seek medical attention if irritation occurs. Wash contaminated clothing before re-use.

INGESTION: If swallowed, rinse mouth with water. Do NOT induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

EYES: Redness, watering

INHALATION: Irritation of the mouth, nose and throat, coughing.

INGESTION: Irritation of the mouth and throat. Nausea, discomfort.

SKIN: Redness, irritation, rash. Chronic exposure may result in allergic skin reactions.

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Small fires: Foam, CO₂, dry chemical

Large fires: Water fog, foam, CO₂, dry chemical

5.2 Special hazards arising from the substance or mixture

Decomposition products will include oxides of carbon and nitrogen, incomplete combustion products.

5.3 Advice for fire fighters

Prevent run-off from fire from entering water courses and sewers. Firefighters should use standard protective equipment and in enclosed spaces, positive pressure self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed containers.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove all ignition sources and evacuate unnecessary personnel from the area. Ventilate the area if possible. Wear suitable protective clothing including solvent resistant gloves and coveralls. If vapour concentrations are high, respiratory protective equipment may be required. See section 8 for more information.

6.2 Environmental precautions

Prevent entry into sewers and watercourses. If product enters sewers or watercourses, inform the appropriate environmental authorities.

6.3 Methods and materials for containment and clearing up

Small spills: Remove all ignition sources. Absorb spillage in a non-combustible absorbent, e.g. sand or vermiculite, and place in a suitable container for disposal.

Large spills: Remove all ignition sources. Contain spill and cover if possible to reduce evaporation. Mix spillage with a suitable non-combustible absorbent, e.g. sand or earth, and place in a suitable container for disposal.

6.4 References to other sections

See sections 8 and 13 for further advice on protective clothing and disposal.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Use only in well ventilated areas. Avoid contact with all ignition sources, including hot surfaces.

7.2 Conditions for safe storage, including any incompatibilities

Store in a well-ventilated, bonded area, away from all ignition sources. Keep out of direct sunlight. Vapours are heavier than air and may accumulate in low-lying areas and below ground areas such as ducts and sewers.

7.3 Specific end uses(s)

No industrial or sector specific guidance available.

SECTION 8. Exposure Controls/Personal Protection

8.1 Control parameters

No exposure limits available.

8.2 Exposure controls

Engineering controls

Adequate ventilation should be provided so that exposure limits are not exceeded. Use explosion-proof ventilation equipment.

Respiratory protection

Use only in well-ventilated area. If exposure levels are likely to exceed the OEL then suitable respiratory protection will be required.

Hand Protection

Wear suitable chemical resistant gloves recommended for use with hydrocarbon solvent. Nitrile gloves may be suitable, but glove manufacturers' specifications should always be checked first. Natural rubber gloves are not suitable. Change gloves in accordance with manufacturer recommendations. If gloves are damaged during use, remove immediately and wash hands before replacing with new gloves.

Eye protection

Wear suitable eye protection, meeting the requirements of BS EN166 3, when handling this product.

Skin protection

Aprons or coveralls are recommended. These should be changed after use or if contaminated. Wash before re-use.

Environmental Exposure Controls

Take suitable measures to prevent entry into drains, sewers and watercourses.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Clear viscous liquid
Odor:	Mild solvent odor
Odor threshold:	No data available
pH:	Not applicable
Melting point:	No data available
Boiling point:	No data available
Flashpoint:	109°F
Evaporation rate:	No data available
Flammability (gas, solid):	Not applicable
Upper/lower flammability limits	Not applicable
Vapor pressure:	No data available
Vapor density:	Heavier than air
Relative density:	11.2 lbs./gallon
Solubility in water:	Insoluble
Solubility in other solvents:	No data available
Partition coefficient (log Kow):	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	Not classified as explosive
Oxidizing properties:	Not classified as oxidizing.

9.2 Other information

VOC content: 12 g/l

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not considered a reactive material.

10.2 Chemical stability

This material is stable under expected conditions of use.

10.3 Possibility of hazardous reactions Hazardous polymerization will not occur.

10.4 Conditions to avoid

Avoid heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Strong oxidizers.

10.6 Hazardous decomposition products

Material does not decompose under normal conditions of use. See section 5 for fire decomposition products.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made, based upon consideration of its major components.

- (a) **acute toxicity** Not expected to be acutely toxic, based on consideration of the components. Acute Toxicity Estimate (ATE) > 2000 mg/kg
- (b) **skin corrosion/irritation** Expected to be irritating to skin, based on consideration of the components.
- (c) **serious eye damage/irritation** Expected to be irritating to eyes, based on consideration of the components.
- (d) **respiratory/skin sensitization** Expected to be sensitizing, based on consideration of the components.
- (e) **germ cell mutagenicity** Not expected to be mutagenic.
- (f) **carcinogenicity** Contains no components considered to be carcinogenic above thresholds of concern.
- (g) **reproductive toxicity** Contains no components considered to be hazardous to reproduction above thresholds of concern.
- (h) **STOT-single exposure** Not expected to cause organ damage. The solvents present may cause narcotic effects if inhaled or ingested in large quantities.
- (i) **STOT-repeated exposure** Not expected to cause organ damage from prolonged or repeated exposure.
- (j) **aspiration hazard** Not expected to be an aspiration hazard.

SECTION 12: Ecological Information

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

12.1 Toxicity

This product contains components that are considered to be toxic to aquatic organisms and may cause longterm adverse effects in the aquatic environment. Once cured the toxicity of the product is expected to decrease.

12.2 Persistence and degradability

This product is not expected to be readily biodegradable.

12.3 Bioaccumulative potential

This product is expected to have a low bioaccumulation potential.

12.4 Mobility in soil

Cured product is expected to be immobile.

12.5 Results of PBT and vPvB assessment

None of the components are known to be PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Recover and recycle product if possible. If recovery and recycling are not possible, dispose of by incineration.

Empty containers may contain flammable residues. Do not puncture, cut or grind. Empty containers should be disposed of as hazardous waste.

Disposal should be in accordance with local and national regulations.

SECTION 14: Transport Information

	ADR	IMDG	ICAO
14.1 UN Number	1287	1287	1287
14.2 UN Proper shipping name	RUBBER SOLUTION	RUBBER SOLUTION	RUBBER SOLUTION
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	III	III	III
14.5 Environmental hazards	NONE	NONE	NONE
14.6 Special precautions for user	NONE	NONE	NONE
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	NONE	NONE	NONE

SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information:

This is a new SDS.

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
 CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
 DSD Dangerous Substances Directive 67/548/EEC
 DPD Dangerous Preparations Directive 1999/45/EC
 EC European Community/Commission
 PBT Persistent, Bio-accumulative and Toxic
 REACH Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) no 1907/2006 vPvB very Persistent, very Bio-accumulative

References:

ECHA CHEM database
Suppliers' SDSs for component substances

Method used for classification of mixtures:

Ingredient based approaches

R Phrases and H Statements used in Section 3

R10 Flammable
R36/38 Irritating to eyes and skin
R37 Irritating to respiratory system
R38 Irritating to skin
R43 May cause sensitization by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 Harmful: may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R68 Possible risk of irreversible effects

H226 Flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H335 May cause respiratory irritation
H341 Suspected of causing genetic defects

EUH066 Repeated exposure may cause skin dryness or cracking

Training requirements for workers No special requirements.