



# Metal Roof Primer

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: N/A

Date of issue: 04/12/2023

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** Metal Roof Primer

**Product Code:** 21140-G

#### Intended Use of the Product

Quick-drying, rust inhibitive primer. For professional use only.

#### Name, Address, and Telephone of the Responsible Party

##### **Manufacturer**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

##### **Supplier**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

Garland Canada, Inc.  
209 Carrier Drive  
Toronto, Ontario M9W 5Y8  
T-416-747-7995  
F-416-747-1980  
www.garlandco.com

#### Emergency Telephone Number

**Emergency Number:** 1-800-262-8200 (CHEMTREC)

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### **Classification (GHS-US)**

Acute Tox. 4 (dermal)	H312
Acute Tox. 4 (inhalation)	H332
Skin Irrit. 2	H315
Skin Sens. 1	H317
Eye Irrit. 2A	H319
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

#### Label Elements

##### **GHS-US Labeling**

##### **Hazard Pictograms (GHS-US)**

:



##### **Signal Word (GHS-US)**

:

Warning

##### **Hazard Statements (GHS-US)**

:

H312: Harmful in contact with skin

H332: Harmful if inhaled

H315: Causes skin irritation

H319: Causes serious eye irritation

H317: May cause an allergic skin reaction

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

##### **Precautionary Statements (GHS-US)**

:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash hands thoroughly after handling.

P271: Use only outdoors or in a well-ventilated area.

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IF ON SKIN: Wash with plenty of water.

# Metal Roof Primer

## Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

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P312: Call a POISON CENTER/doctor if you feel unwell.  
P321: Specific treatment (See Section 4 of this SDS).  
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable fore breathing.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P391: Collect spillage.  
P501 - Dispose of contents/container to an approved landfill.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### Component

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Zinc Phosphate	(CAS No) 7779-90-0	10-25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-N-octyl-4-isothiazoline-3-one	(CAS No) 26530-20-1	0.1-1.0	Acute Tox. 4 (dermal), H312 Acute Tox. 4 (inhalation), H332 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### SECTION 4: FIRST AID MEASURES

#### Description of First Aid Measures

**General:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** If breathing becomes difficult, remove victim to fresh air. If necessary, use artificial respiration to support vital functions. Seek medical attention.

**Skin Contact:** Wash skin thoroughly after handling. Seek medical attention if irritation develops and persists. Remove contaminated clothing. Launder contaminated clothing before re-use.

**Eye Contact:** If product enters the eyes, open eyes while under gentle running water for at least 15 minutes. Seek medical attention.

**Ingestion:** If product is swallowed, call physician or poison control center for most current information. If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. Seek medical advice. Take a copy of the label and/or MSDS with the victim to the health professional.

#### Most Important Symptoms and Effects Both Acute and Delayed

**General:** No further relevant information available.

#### Indication of Immediate Medical Attention and Special Treatment Needed

**General:** No further relevant information available.

### SECTION 5: FIRE-FIGHTING MEASURES

#### Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media:** Not available.

#### Special Hazards Arising From the Substance or Mixture

**Hazardous Combustion Products:** Not available.

**Fire and Explosion Hazards:** None.

#### Advice for Firefighters

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**Fire Fighting Procedures:** Exercise caution when fighting any chemical fire.

**Protection During Firefighting:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Use personal protective equipment. Personnel should be trained for spill response operations.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Keep out of waterways.

### Methods and Materials for Containment and Cleaning Up

**For Containment and Cleaning Up:** Contain spill if safe to do so. Prevent entry into drains, sewers, and other waterways. Soak up with a noncombustible absorbent material and place in an appropriate container for disposal. Dispose of in accordance with applicable Federal, State, and local procedures (see Section 13, Disposal Considerations).

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**General Handling:** Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin and eyes. Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Avoid breathing vapors/mists generated by this product. Use in a well-ventilated location. Remove contaminated clothing immediately.

### Conditions for Safe Storage

**General:** Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	WEEL
Zinc Phosphate	7779-90-0	Not Listed	Not Listed	Not Listed
2-N-octyl-4-isothiazoline-3-one	26530-20-1	Not Listed	Not Listed	Not Listed

## Control Parameters

**Appropriate Engineering Controls:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided above. Use local exhaust ventilation to control airborne vapor. Ensure eyewash/safety shower stations are available near areas where this product is used.

### Personal Protective Equipment

**Eye/face Protection :** Safety glasses or chemical goggles as appropriate to prevent eye contact.

**Skin Protection:** Use body protection appropriate to prevent contact (e.g. lab coat, overalls).

**Respiratory Protection :** No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**Hand Protection:** Wear impervious gloves such as vinyl to minimize contact with skin.

**Environmental Exposure Controls:** No specific controls are needed.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Color	: Viscous liquid, Red in color
Odor Threshold	: Not applicable
pH	: Not available
Melting Point	: No test data available
Freezing Point	: 32°F / 0°C
Boiling Point (760 mm Hg)	: 212-212°F / 100/100°C
Density	: Not available
Flash Point – Closed Cup	: Not available
Evaporation Rate (Butyl Acetate =	: Not available
Flammability (solid, gas)	: Not applicable
Flammability Limits in Air	: Lower: No test data available; Upper: No test data available
Vapor Pressure	: >1 mmHg

# Metal Roof Primer

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Vapor Density (Air = 1)	: Lighter than air
Specific Gravity (H <sub>2</sub> O = 1)	: Not available
Solubility in Water (by wt)	: Dispersible
Explosion Limits	: Not available
Volatiles	: Not available
VOC	: <65 g/L

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Not available.

**Chemical Stability:** Stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur under normal conditions.

**Conditions to Avoid:** No data available

**Incompatible Materials:** No materials to be especially mentioned.

**Hazardous Decomposition Products:** Acrylic monomers

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity

##### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Zinc Phosphate	> 5,000 mg/kg Rat	No data	No Data
2-N-octyl-4-isothiazoline-3-one	550 mg/kg Rat	690 mg/kg Rat	0.27 mg/L/4 hr Rat

#### Chronic Toxicity

**Suspected Cancer Agent:** None of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are not considered to be, nor suspected to be a cancer-causing agent by these agencies.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

Ecotoxicity effects

#### Zinc Phosphate

Microtox Data

*Oncorhynchus mykiss* LC50= 0.09 mg/L – 96 hr

#### Persistence/Degradability:

Not available

#### Bioaccumulation/ Accumulation:

Not available

#### Mobility in Environmental Media:

Not available

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal Recommendations:** Dispose of in accordance with local, state, and federal regulations.

**Unused and Contaminated Product:** Empty containers should be taken for local recycling, recovery or waste disposal.

### SECTION 14: TRANSPORT INFORMATION

#### In Accordance with DOT

Proper Shipping Name : Not regulated

#### In Accordance with IMDG

Proper Shipping Name : Not regulated

#### In Accordance with IATA

Proper Shipping Name : Not regulated

#### In Accordance with Mexico

Proper Shipping Name : Not regulated

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## SECTION 15: REGULATORY INFORMATION

### International Inventories

All of the components in the product are on the following Inventory lists:

Chemical Name	TSCA	ENCS	CHINA	KECL	PICCS	AICS
Zinc Phosphate	X	X	X	X	X	X
2-N-octyl-4-isothiazoline-3-one	X	X	X	X	X	X

TSCA Complies

ENCS Complies

CHINA Complies

KECL Complies

PICCS Complies

AICS Complies

### USA

#### Federal Regulations:

##### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372.

Chemical Name	SARA 313 - Threshold Values
Zin Phosphate (77790-90-0)	1.0%

##### SARA 311/312

Acute Health: Yes

Chronic Health: No

Fire: No

Reactivity: No

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains no HAPs.

#### State Regulations:

##### California Proposition 65

This product does not contain a chemical(s) known to the State of California to cause cancer.

##### Canada

This product has been classified in accordance with the hazard criteria of WHMIS 2015.

## SECTION 16: OTHER INFORMATION

Revision Date : 04/12/2023

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document : The Garland Company, Inc.  
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Cleveland, Ohio 44105-2197  
T-1800-762-8225  
F-216-641-0633

*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*