Rust-Go® 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: 07/09/2015

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Rust-Go Primer

Product Code: 1524

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 91st Street
Cleveland, Ohio 44105-2197
T-800-762-8225
F-216-641-0633
www.garlandco.com

Supplier

The Garland Company, Inc.
3800 East 91st 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)

Flam. Liq. 2	H225
Flam. Liq. 3	H226
Acute Tox. Oral 4	H302
Asp. Tox. 1	H304
Skin Irrit. 2	H315
Eye Irrit. 2A	H319
STOT SE 3	H335
STOT SE 3	H336
Muta. 1B	H340
Carc. 1B	H350
Aqua. Tox. 3	H402
Aqua. Chronic 2	H411

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :

GH502 GH507 GH508 GH509

Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) :

H225 - Highly flammable liquid and vapor
H226 - Flammable liquid and vapor
H302 - Harmful if swallowed
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness

H340 - May cause genetic defects
H350 - May cause cancer
H402 - Harmful to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from open flames, sparks. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical, lighting, ventilating equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing mist, spray, vapors.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, eye protection, face protection.
P281 - Use personal protective equipment as required.
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352 - If on skin: Wash with plenty of water.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for 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.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment (see details on this label).
P330 - Rinse mouth.
P331 - Do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P337 + P313 - If eye irritation persists: Get medical advice/attention.
P370+P378 - In case of fire: Use powder, water spray, foam, carbon dioxide to extinguish.
P391 - Collect spillage.
P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to in accordance with local, regional, and national regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Dimethyl Carbonate	(CAS No) 616-38-6	10-20	Flam. Liq. 2, H225
Tert-Butyl Acetate	(CAS No) 540-88-5	5-15	Flam. Liq. 2, H225

Petroleum Naphtha, Light Aromatic	(CAS No) 64742-95-6	1-5	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
n-Butyl acetate	(CAS No) 123-86-4	1-5	Flam. Liq. 3, H226 STOT SE 3, H336 Aqua. Tox. 3, H 402
2-Pentanone	(CAS No) 107-87-9	1-5	Flam. Liq. 2, H225 Acute Tox. Oral 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
1,2,4-Trimethylbenzene	(CAS No) 95-63-6	1-5	Flam. Liq. 3, H226 Asp. Haz. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Acute Tox. Inhal. 4, H332 STOT SE 3, H335 Aqua. Tox. 2, H411

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: Move to fresh air.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

Ingestion: Do not induce vomiting. Consult a physician.

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: Foam, Dry chemical, Dry powder, Carbon dioxide (CO2), Water fog.

Unsuitable Extinguishing Media: Do not use a solid water stream as it may scatter and spread fire.

Special Hazards Arising From the Substance or Mixture

Hazardous Combustion Products: Carbon monoxide, Carbon dioxide (CO2), Hydrocarbons.

Fire and Explosion Hazards: Flammable. Keep product and empty container away from heat and sources of ignition.

Advice for Firefighters

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: Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation. Take precautionary measures against static discharges.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

Methods and Materials for Containment and Cleaning Up

For Containment and Cleaning Up: Dike with inert absorbent material. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal. Keep in suitable and closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

General Handling: Handle in accordance with good industrial hygiene and safety practice. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation.

Conditions for Safe Storage

General: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. For safety reasons in case of fire, cans should be stored separately in closed containments. Keep in properly labeled containers. Keep out of the reach of children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Tert-Butyl Acetate (540-88-5)		
USA ACGIH	ACGIH TWA (mg/m^3)	TWA: 200 ppm
USA OSHA	OSHA PEL (ppm)	TWA: 200 ppm TWA: 950 mg/m3
Mexico	OEL STEL (mg/m^3)	STEL: 200 ppm STEL: 950 mg/m3
Ontario	Ontario TWAEV	TWA: 200 ppm

N-Butyl Acetate (123-86-4)		
USA ACGIH	ACGIH TWA (mg/m^3)	TWA: 150 ppm STEL: 200 ppm
USA OSHA	OSHA PEL (ppm)	TWA: 710 mg/m3 TWA: 150 ppm
Mexico	OEL STEL (mg/m^3)	STEL: 200 ppm STEL: 950 mg/m3 TWA: 150 ppm TWA: 710 mg/m3
Ontario	Ontario TWAEV	STEL: 200 ppm STEL: 950 mg/m3 TWA: 710 mg/m3 TWA: 150 ppm

2-Pentanone (107-87-9)		
USA ACGIH	ACGIH TWA (mg/m^3)	TWA: 150 ppm STEL: 75 ppm
USA OSHA	OSHA PEL (ppm)	TWA: 200 ppm TWA: 750 mg/m3 STEL: 250 ppm STEL: 875 mg/m3
Mexico	OEL STEL (mg/m^3)	STEL: 200 ppm STEL: 700 mg/m3
Ontario	Ontario TWAEV	STEL: 150 ppm

Chemical Name	NIOSH IDLH
2-Pentanone	1,500 ppm
tert-Butyl Acetate	1,500 ppm
n-Butyl Acetate	1,700 ppm
Petroleum Naphtha, Light Aromatic	1,100 ppm

Control Parameters

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Do not allow ventilation equipment to draw material odors indoors.

Personal Protective Equipment

Eye/face Protection : Safety glasses with side-shields. Goggles. Face-shield.
Skin Protection: Long sleeved clothing. Protective gloves.
Respiratory Protection : In case of insufficient ventilation wear suitable respiratory equipment.
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	:	Red
Odor	:	Strong solvent
Odor Threshold	:	Not applicable
pH	:	Not applicable
Melting Point	:	No test data available
Freezing Point	:	No test data available
Boiling Point (760 mm Hg)	:	194-355°F / 90-179°C
Density	:	12.14 lbs/gal
Flash Point – Closed Cup	:	40°F / 4.4°C
Evaporation Rate (Butyl Acetate = 1)	:	Faster than Butyl Acetate
Flammability (solid, gas)	:	Not applicable
Flammability Limits in Air	:	Lower: No test data available; Upper: No test data available
Vapor Pressure	:	Not determined.
Vapor Density (Air = 1)	:	Not available
Specific Gravity (H_2O = 1)	:	1.4581
Solubility in Water (by wt)	:	Negligible
Explosion Limits	:	Lower 1.3%
	:	Upper 12.9%
Volatiles	:	68-72%
VOC	:	200g/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: Keep away from heat, sparks and open flames.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dimethyl Carbonate	13,000 mg/kg Rat	>5,000 mg/kg Rabbit	
Tert-Butyl Acetate	4,100 mg/kg Rat	>2,000 mg/kg Rabbit	
n-Butyl acetate	10768 mg/kg Rat	17600 mg/kg Rabbit	390 ppm Rat 4 h
Solvent naphtha (petroleum), light aromatic	2,900 mg/kg Rat	>3,160 mg/kg Rabbit	2900 ppm Rat 4 h
1,2,4-Trimethylbenzene	3400 mg/kg Rat	3160 mg/kg Rabbit	18 g/m3 Rat 4 h

Chronic Toxicity

California Proposition 65: WARNING: This product does not contain a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects

n-Butyl acetate:

Freshwater Algae Data
Scenedesmus subspicatus EC50=320 mg/L (96 h)
Scenedesmus subspicatus EC50=674.7 mg/L (72 h)
Microtox Data
Photobacterium phosphoreum EC50=70.0 mg/L (5 min)
Photobacterium phosphoreum EC50=82.2 mg/L (15 min)
Pseudomonas putida EC50=959 mg/L (18 h)
Photobacterium phosphoreum EC50=98.9 mg/L (30 min)
Water Flea Data
water flea EC50=44 mg/L (48 h)
log Pow = 1.81

Solvent naphtha (petroleum), light aromatic:

Freshwater Algae Data
Selenastrum capricornutum EC50=4700 mg/L (72 h)

1,2,4-Trimethylbenzene:

Water Flea Data
Daphnia magna EC50=6.14 mg/L (48 h)
log Pow = 3.63

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

14.1 In Accordance with DOT

Proper Shipping Name : Paint; UN1263
Hazard Class : 3
Identification Number :
Packing Group : II

14.2 In Accordance with IMDG

Proper Shipping Name : Paint; UN1263
Hazard Class : 3
Identification Number :
Packing Group : II

14.3 In Accordance with IATA

Proper Shipping Name : Paint; UN1263
Hazard Class : 3
Identification Number :
Packing Group : II

14.4 In Accordance with Mexico

Proper Shipping Name : Pintura; Paint; UN1263
Hazard Class : 3
Identification Number :
Packing Group : II

SECTION 15: REGULATORY INFORMATION

International Inventories

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

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Dimethyl Carbonate	X	X	X	X	X	X	X	X	X	X
n-Butyl acetate	X	X	X	X	X	X	X	X	X	X
Tert-Butyl acetate	X	X	X	X	X	X	X	X	X	X
Solvent naphtha (petroleum), light aromatic	X	X	X	X	X	X	X	X	X	X
1,2,4-Trimethylbenzene	X	X	X	X	X	X	X	X	X	X
2-Pentanone	X	X	X	X	X	X	X	X	X	X

TSCA	Complies
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	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 a chemical or 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
1,2,4-Trimethylbenzene (CAS #: 95-63-6)	< 5%

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.

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Iron Oxide	X	X	X	X	X
n-Butyl acetate	X	X	X	X	X
1,2,4-Trimethylbenzene	X	X	X	X	
Phenolic Alkyd		X			
Calcium Aluminosilicate		X			

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Rust-Go® Primer	
WHMIS Classification	Class B Division 2 - FlammableLiquid

SECTION 16: OTHER INFORMATION

Revision Date : July 9, 2015

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. 3800 East 91st Street 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.