



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: 03/24/2017

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
Skin Sens. 1	H317
Muta. 1B	H340
Carc. 1B	H350

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US)

: Danger

Hazard Statements (GHS-US)

: H225 - Highly flammable liquid and vapor
H317 - May cause an allergic skin reaction
H340 - May cause genetic defects
H350 - May cause cancer

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.
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves, eye protection, face protection.

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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.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see details on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P370+P378 - In case of fire: Use alcohol resistant foam, carbon dioxide (CO₂), foam to extinguish.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Naphthalene	(CAS No) 91-20-3	<1	Acute Tox. 4 (Oral), H302 Carc. 1B, H350 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
2-Butanone oxime	(CAS No) 96-29-7	<1	Flam. Liq. 4, H227 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Eye Dam. 1, H318 Skin Sens. 1, H317 Carc. 2, H351
Naphtha (petroleum), hydrotreated heavy	(CAS No) 64742-48-9	<1	Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Methyl isobutyl ketone	(CAS No) 108-10-1	<1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT SE 3, H335
Ethylbenzene	(CAS No) 100-41-4	<1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304
Solvent naphtha (petroleum), heavy aromatic	(CAS No) 64742-94-5	2-5	Asp. Tox. 1, H304
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

SECTION 4: FIRST AID MEASURES

Description of First Aid Measures

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General: IF exposed or concerned: Get medical advice/attention.

Inhalation: Remove person to fresh air and keep comfortable for breathing.

Skin Contact: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

Eye Contact: Rinse eyes with water as a precaution.

Ingestion: Call a poison center/doctor/physician if you feel unwell.

Most Important Symptoms and Effects Both Acute and Delayed

General: May cause an allergic skin reaction.

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.

Special Hazards Arising From the Substance or Mixture

Fire and Explosion Hazards: Highly flammable liquid and vapor.

Advice for Firefighters

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

Protection During Firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing..

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: No open flames, no sparks, and no smoking. Only qualified personnel equipped with suitable protective equipment may intervene. Avoid breathing dust/fume/gas/mist/vapors/spray.

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: Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Limit quantities of product at the minimum necessary for handling and limit the number of exposed workers. Provide local exhaust or general room ventilation. Floors, walls and other surfaces in the hazard area must be cleaned regularly. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage

General: Separate working clothes from town clothes. Launder separately. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Methyl isobutyl ketone (108-10-1)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA ACGIH	ACGIH STEL (ppm)	75 ppm
USA ACGIH	Remark (ACGIH)	URT irr; dizziness; headache
OSHA	OSHA PEL (TWA) (mg/m ³)	410 mg/m ³

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OSHA	OSHA PEL (TWA) (ppm)	100 ppm
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Ethylbenzene (100-41-4)		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	100 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/m ³ STEL: 250 ppm STEL: 875 mg/m ³

Naphthalene (91-20-3)		
USA ACGIH	ACGIH TWA (mg/m ³)	10 ppm
USA ACGIH	OSHA PEL (ppm)	Hematologic eff; URT & eye irr; Skin; A3
OSHA	OSHA PEL (TWA) (mg/m ³)	50 mg/m ³
OSHA	OSHA PEL (TWA) (ppm)	10 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
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
Specific Gravity (H ₂ O = 1)	: 1.4507 g/ml
Solubility in Water (by wt)	: Negligible
Explosion Limits	: Lower 1.3% Upper 12.9%

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Volatiles : 68-72%
VOC : <200g/l

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Highly flammable liquid and vapor.

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.

Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Methyl isobutyl ketone	2080 mg/kg	> 16000 mg/kg	2000 - 4000 ppm/4h (Rat; Experimental value)
Ethylbenzene (100-41-4)	3500 mg/kg	15415 mg/kg Rabbit	4000 ppm/4h (Rat; Literature study)
2-Pentanone	1600 - 3017 mg/kg	6500 mg/kg Rabbit	2000 - 4000 ppm/4h (Rat)
Naphthalene	> 1100 mg/kg	> 1000 mg/kg Rabbit	20 mg/l/4h (Rat; Literature study)

Skin corrosion/irritation: Not classified

Serious eye Not classified

damage/irritation :

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity: May cause genetic defects (Inhalation, oral).

Carcinogenicity: May cause cancer (Cancer suspected agent).

Chronic Toxicity

California Proposition 65: WARNING: This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.

Naphthalene (91-20-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

Methyl isobutyl ketone (108-10-1)	
IARC group	2B - Possibly carcinogenic to humans

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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Ethylbenzene (100-41-4)	
LC50 fish 2	4.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Salmo gairdneri; Semi-static system; Fresh water; Experimental value)

2-pentanone (107-87-9)	
LC50 fish 1	240 mg/l (LC50; 96 h; Pimephales promelas; Flow-through system)

naphthalene (91-20-3)	
LC50 fish 2	0.11 mg/l (LC50; 96 h; Oncorhynchus mykiss)
EC50 Daphnia 1	2.16 mg/l (EC50; 48 h; Daphnia magna)
Threshold limit algae 1	0.4 mg/l (EC50; 72 h; Skeletonema costatum)

2-butanone oxime (96-29-7)	
Threshold limit algae 2	11.8 mg/l (EC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus sp.; Static system; Fresh water; Experimental value)

Persistence and Degradability

methyl isobutyl ketone (108-10-1)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Low potential for adsorption in soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	2.06 g O ₂ /g substance
Chemical oxygen demand (COD)	2.16 g O ₂ /g substance
ThOD	2.72 g O ₂ /g substance
BOD (% of ThOD)	0.76

ethylbenzene (100-41-4)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil.
Biochemical oxygen demand (BOD)	1.44 g O ₂ /g substance (20d.)
Chemical oxygen demand (COD)	2.1 g O ₂ /g substance
ThOD	3.17 g O ₂ /g substance
BOD (% of ThOD)	45.4 (20 days)

2-pentanone (107-87-9)	
Persistence and degradability	Biodegradable in water. Biodegradable in the soil. Low potential for adsorption in soil. Highly mobile in soil.
BOD (% of ThOD)	0.43

naphthalene (91-20-3)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil. Adsorbs into the soil. Photolysis in the air.
Biochemical oxygen demand (BOD)	0 g O ₂ /g substance
Chemical oxygen demand (COD)	0.22 g O ₂ /g substance
ThOD	2.99 g O ₂ /g substance

Bioaccumulative Potential

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methyl isobutyl ketone (108-10-1)	
BCF fish 1	2 - 5 (BCF)
Log Pow	1.9 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

ethylbenzene (100-41-4)	
BCF fish 1	1 (BCF; Other; 6 weeks; Oncorhynchus kisutch; Flow-through system; Salt water; Literature study)
BCF fish 2	15 - 79 (BCF)
BCF other aquatic organisms 1	4.68 (BCF)
Log Pow	3.15 (Experimental value; 3.6; Experimental value; EU Method A.8: Partition Coefficient; 20 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

2-pentanone (107-87-9)	
BCF other aquatic organisms 1	3
Log Pow	0.91 (Test data)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

naphthalene (91-20-3)	
BCF fish 1	23 - 168 (BCF; 8 weeks; Cyprinus carpio)
Log Pow	3.3 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

2-butanone oxime (96-29-7)	
BCF fish 1	0.5-5.8,BCF; OECD 305: Bioconcentration: Flow-Through Fish Test; 42 days; Cyprinus carpio; Fresh water; Experimental value
Log Pow	0.63 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Mobility in soil

methyl isobutyl ketone (108-10-1)	
Surface tension	0.024 N/m (20 °C)
Log Koc	Koc,101.85; Weight of evidence; Calculated value; log Koc; 2.008; Weight of evidence; Calculated value

ethylbenzene (100-41-4)	
Surface tension	0.029 N/m
Log Koc	log Koc,PCKOCWIN v1.66; 2.71; Calculated value; Koc; PCKOCWIN v1.66; 517.8; Calculated value

2-pentanone (107-87-9)	
Log Koc	Koc,74; Estimated value; log Koc; 1.87; Estimated value

naphthalene (91-20-3)	
Surface tension	0.03 N/m (100 °C)

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



SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations:

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethylbenzene (100-41-4)	CAS No 108-10-1	< 1%
Methyl isobutyl ketone	CAS No 100-41-4	< 1%
Naphthalene	CAS No 91-20-3	< 1%

methyl isobutyl ketone (108-10-1)	
CERCLA RQ	5000 lb

ethylbenzene (100-41-4)	
CERCLA RQ	1000 lb
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

naphthalene (91-20-3)	
CERCLA RQ	100 lb
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

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National Regulations:

methyl isobutyl ketone (108-10-1)

Listed on IARC (International Agency for Research on Cancer)

ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

naphthalene (91-20-3)

Listed on IARC (International Agency for Research on Cancer)

Listed as carcinogen on NTP (National Toxicology Program)

State Regulations:

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm.

methyl isobutyl ketone (108-10-1)

U.S. - California - Proposition 65 - Carcinogens List

Yes

U.S. - California - Proposition 65 - Developmental Toxicity

Yes.

ethylbenzene (100-41-4)

U.S. - California - Proposition 65 - Carcinogens List

Yes

U.S. - California - Proposition 65 - Developmental Toxicity

No

naphthalene (91-20-3)

U.S. - California - Proposition 65 - Carcinogens List

Yes

U.S. - California - Proposition 65 - Developmental Toxicity

No

methyl isobutyl ketone (108-10-1)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

ethylbenzene (100-41-4)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

2-pentanone (107-87-9)

U.S. - New Jersey - Right to Know Hazardous Substance List

naphthalene (91-20-3)

U.S. - Massachusetts - Right To Know List

U.S. - New Jersey - Right to Know Hazardous Substance List

U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION

Revision Date : March 28, 2017

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 : The Garland Company, Inc.

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Preparation of This Document

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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.