

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: 04/10/2018

SECTION 1: IDENTIFICATION

<u>Product Identifier</u> <u>Product Form</u>: Mixture

Product Name: Tuff-Coat Biscuit

Product Code: 1643

Intended Use of the Product

Masonry coating. For professional-use only.

Name, Address, and Telephone of the Responsible Party

Manufacturer Supplier

The Garland Company, Inc.

The Garland Company, Inc.

Garland Canada, Inc.

3800 East 91st Street

209 Carrier Drive

Cleveland, Ohio 44105-2197 Cleveland, Ohio 44105-2197 Toronto, Ontario M9W 5Y8

T-800-762-8225 T-800-762-8225 T-416-747-7995
F-216-641-0633 F-216-641-0633 F-416-747-1980
www.garlandco.com www.garlandco.com 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)

Skin Irrit. 2 H317 Germ Cell Muta. 1 H340 STOT SE 3 H350

Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)





Signal Word (GHS-US) : Danger

Hazard Statements (GHS-US) : H317-May cause an allergic skin reaction

H340-May cause genetic defects by route of exposure if conclusively proven that

no other route applies

H350-May cause cancer by route of exposure if conclusively proven that no other

route applies

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 heat/sparks/open flames/hot surfaces. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/lighting/ equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P260 - Do not breathe gas.

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area.

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

P280 - Wear protective gloves/protective clothing/eye protection/face

protection.

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

P308 + P313 - IF exposed or concerned: Get medical advice/attention.

P321 - Specific treatment (see supplemental first aid instructions on this label).

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P501 - Dispose of contents/container to an approved landfill.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component

Name	Product Identifier	% (w/w)	Classification (GHS-US)
Titanium Oxide	(CAS No) 13463-67-7	5-20	Carc. 2. H351
Distillates (Petroleum), Hydrotreated Heavy	(CAS No) 64742-52-5	< 1	Carc. 1B, H350
Naphthenic			
Ethylene Oxide, Liquefied, Under Pressure	(CAS No) 75-21-8	< 1	
Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic	(CAS No) 64742-65-0	<1	Carc. 1A, H350
3-lodo-2-Propynyl Butylcarbamate	(CAS No) 55406-53-6	<1	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Inhalation:dust,mist), H331 Eye Dam. 1, H318 Skin Sens. 1, H317 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Solvent Naphtha (Petroleum), Light Aromatic	(CAS No) 64742-95-6	<1	Flam. Liq. 3, H226 Muta. 1B, H340 Carc. 1B, H350 Asp. Tox. 1, H304
Anatase (Tio2)	(CAS No) 64742-95-6	< 1	Carc. 2, H351

SECTION 4: FIRST AID MEASURES

First-aid measures general: IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation

or rash occurs: Get medical advice/attention. May cause an allergic skin reaction.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion: Call a poison center/doctor/physician if you feel unwell.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray. Dry powder. Foam. Carbon dioxide.

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: 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. Keep out of waterways.

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Methods and Materials for Containment and Cleaning Up

For Containment and Cleaning Up: Dike with inert absorbent material. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

General Handling: Ensure good ventilation of the work station. 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. Wear personal protective equipment. 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

Chemical Name	ACGIH TLV	OSHA PEL
Titanium (IV) Oxide	TWA: 1mg/m3	TWA: 15 mg/m ³
Anatase (Tio2)	10 mg/m³ (Titanium dioxide; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)	
Ethylene Oxide, Liquefied, Under	1 ppm	
Pressure		
Solvent Naphtha (Petroleum), Light	25 ppm	
Aromatic		

Personal Protective Equipment

Eye/face Protection: Tightly fitting safety goggles.

Skin Protection: Long sleeved clothing. Protective gloves.

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: Avoid release to the environment. No specific controls are needed.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State : Liquid
Color : Brown
Odor : Mild odor
pH : 9.2
Boiling Point (760 mm Hg) : 94 - 100 °C

acetate=1)

Relative evaporation rate (butyl

Solubility : Moderately soluble in water.

Flash Point – Closed Cup : > 94 °C Specific Gravity (H₂O = 1) : 1.3579 g/ml VOC : < 50 g/L

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SECTION 10: STABILITY AND REACTIVITY

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical Stability: Stable under normal conditions.

Possibility of Hazardous Reactions: No dangerous reactions known under normal conditions of use.

Conditions to Avoid: Extremely high or low temperatures.

Incompatible Materials: No materials to be especially mentioned. **Hazardous Decomposition Products**: None under normal use.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Distillates (Petroleum), Solvent-	> 5000 mg/kg (Rat; Literature	> 5000 mg/kg body weight	> 5 mg/l/4h (Rat; Literature
Dewaxed Heavy Paraffinic CAS #	study)	(Rabbit; Literature study)	study)
64742-65-0			
3-lodo-2-Propynyl	300-500, Rat; OECD 423: Acute	> 2000 mg/kg (Rat; Experimental	0.67 mg/l/4h (Rat; Experimental
Butylcarbamate CAS #55406-53-	Oral Toxicity – Acute Toxic Class	value; OECD 402: Acute Dermal	value)
6	Method; Experimental value	Toxicity)	
Anatase (Tio2) CAS # 1317-70-0	> 5000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 6.8 mg/l/4h (Rat)
Ethylene Oxide, Liquefied, Under	330 mg/kg body weight (Rat;		800 ppm/4h (Rat; Literature)
Pressure CAS # 75-21-8)	Other; Experimental value)		

Skin corrosion/irritation : Not classified

pH: 9.2

Serious eye : Not classified damage/irritation pH: 9.2

Respiratory or skin : May cause an allergic skin reaction.

sensitization

Germ cell mutagenicity : May cause genetic defects.

Carcinogenicity : May cause cancer (Cancer suspected agent).

Chronic Toxicity

California Proposition 65: WARNING: This product contains a chemical(s) known to the State of California to cause cancer and birth defects or other reproductive harm.

`Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Anatase (Tio2) CAS #		2B - Possibly			
1317-70-0		carcinogenic to			
		humans			
Ethylene Oxide, Liquefied,		1 - Carcinogenic to	2 - Known Human		
Under Pressure CAS # 75-		humans	Carcinogens		
21-8					
Titanium(IV) Oxide CAS #		2B - Possibly			
13463-67-7		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.

3-lodo-2-Propynyl Butylcarbamate CAS # 55406-53-6		
LC50 fish 2	0.2 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Pimephales promelas; Flow-	
	through system)	
EC50 Daphnia 2	0.16 mg/l (EC50; EPA OPP 72-2; 48 h; Daphnia magna; Flow-through system)	

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Threshold limit algae 1	0.022 mg/l (EbC50; OECD 201: Alga, Growth Inhibition Test; 72 h; Scenedesmus subspicatus;	l
	Static system)	l

Anatase (Tio2) CAS # 1317-70-0	
EC50 Daphnia 1	< 500 mg/l (EC50; 720 h)
LC50 fish 1	> 1000 mg/l (LC50; 96 h)

Ethylene Oxide, Liquefied, Under Pressure CAS # 75-21-8		
EC50 Daphnia 1	137-300, LC50; EPA 660/3 - 75/009; 48 h; Daphnia magna	
LC50 fish 1	84 mg/l (LC50; EPA 660/3 - 75/009; 96 h; Pimephales promelas; Static system; Fresh water;	
	Experimental value)	

Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic CAS # 64742-65-0		
Persistence and degradability	Contains non-readily biodegradable component(s). Adsorbs into the soil. Low potential for	
	mobility in soil.	

3-lodo-2-Propynyl Butylcarbamate CAS # 55406-53-6		
Persistence and degradability	Not readily biodegradable in water. Inherently biodegradable. Low potential for adsorption	
	in soil.	
Chemical oxygen demand (COD)	1.15 g O₂/g substance	

Ethylene Oxide, Liquefied, Under Pressure CAS # 75-21-8		
Persistence and degradability	Readily biodegradable in water. No (test) data on mobility of the substance available.	
Chemical oxygen demand (COD)	1.74 g O₂/g substance	
Biochemical oxygen demand (BOD)	0.06 g O₂/g substance	
ThOD	2.02 g O₂/g substance	

Distillates (Petroleum), Solvent-Dewaxed Heavy Paraffinic CAS # 64742-65-0	
Log Pow	> 6 (Conclusion by analogy)
Bioaccumulative potential	Contains bioaccumulative component(s).

Ethylene Oxide, Liquefied, Under Pressure CAS #75-21-8	
BCF fish 1	0.35 (BCF; Pisces)
Log Pow	-0.3 (Test data)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

3-lodo-2-Propynyl Butylcarbamate CAS # 55406-53-6	
BCF fish 1	3.3 - 4.5 (BCF)
Log Pow	2.81 (Literature; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Solvent Naphtha (Petroleum), Light Aromatic CAS # 64742-95-6	
Log Pow	2.1 - 6

3-lodo-2-Propynyl Butylcarbamate CAS # 55406-53-6	
Surface tension	0.028 N/m (0 °C)

ethylene oxide, liquefied, under pressure CAS # 75-21-8	
Surface tension	0.0691 N/m (158 mg/l)
Log Koc	Koc,PCKOCWIN v1.66; 198.1; Calculated value

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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

In Accordance with DOT - Not regulated for transport

In Accordance with IMDG - Not regulated for transport

In Accordance with IATA - Not regulated for transport

In Accordance with TDG - Not regulated for transport

SECTION 15: REGULATORY INFORMATION

USA

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.

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
3-iodo-2-propynyl butylcarbamate (CAS #: 55406-53-6)	<1%
ethylene oxide, liquefied, under pressure (CAS No 55406-53-6)	<1%

ethylene oxide, liquefied, under pressure (CAS No 55406-53-6)		
CERCLA RQ	10 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb	

State Regulations:

3-iodo-2-propynyl butylcarbamate CAS # 55406-53-6	
U.S New Jersey - Right to Know Hazardous Substance List	

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.

SECTION 16: OTHER INFORMATION

Revision Date : April 10, 2018

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.
Preparation of This Document 3800 East 91st Street

Cleveland. Ohio 44105-2197

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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.

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