

# SAFETY DATA SHEET

# PETTIT



Revision Date 24-Feb-2016  
Version 1

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name** Pettit Hydrocoat SR Dual-Biocide Ablative Antifouling - 1647 Red  
**Product code** 1164700

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

**Recommended Use** Paint  
**Restrictions on use** No information available

### 1.3 Details of the supplier of the safety data sheet

**Supplier** Kop-Coat, Inc. / Pettit Marine Paint  
Marine Group  
36 Pine Street  
Rockaway, NJ 07866  
1-800-221-4466

### 1.4 Emergency telephone number

**Emergency telephone number** Chemtrec: +1 703-527-3887 ex-USA  
Chemtrec: 1-800-424-9300 USA

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910.1200

Acute toxicity - Oral	Category 4
Skin sensitization	Category 1

### 2.2 Label elements

**Signal Word**  
Warning

### **Hazard Statements**

Harmful if swallowed  
May cause an allergic skin reaction



#### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Keep/Store away from clothing/ combustible materials

IF ON SKIN: Wash with plenty of water and soap  
If skin irritation or rash occurs: Get medical advice/attention  
Wash contaminated clothing before reuse  
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell  
Rinse mouth

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### 2.3. Other Hazards Hazards not otherwise classified (HNOC)

Not Applicable

#### 2.4 Other information

Not Applicable

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

### 3. Composition/Information on Ingredients

#### Substance

This product is a mixture. Health hazard information is based on its components. Not applicable

#### Mixture

Chemical Name	CAS-No	Weight %
Cuprous oxide	1317-39-1	20 - 30
Barium Sulfate	7727-43-7	5 - 10
Silica, vitreous	60676-86-0	5 - 10
Ethylene glycol monobutyl ether	111-76-2	1 - 5
N-Cyclopropyl-N'(1,1-dimethylethyl)-6-(methylthio)- 1,3,5-triazine-2,4-diamine	28159-98-0	1 - 5
POLYTETRAFLUOROETHYLENE	9002-84-0	1 - 5
Cupric Oxide	1317-38-0	1 - 5

The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. First aid measures

#### 4.1 Description of first-aid measures

##### General advice

Show this safety data sheet to the doctor in attendance. When symptoms persist or in all cases of doubt seek medical advice.

<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call a physician or poison control center immediately.
<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse.
<b>Inhalation</b>	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Call a physician or poison control center immediately.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. Gently wipe or rinse the inside of the mouth with water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

#### **4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms** See Section 2.2, Label Elements and/or Section 11, Toxicological effects.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician** There is no specific antidote for effects from overexposure to this material. Treat symptomatically.

### **5. Fire-Fighting Measures**

#### **5.1 Extinguishing media**

##### **Suitable extinguishing media**

Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical. Water may be used to cool and prevent the rupture of containers that are exposed to the heat from a fire.

**Unsuitable Extinguishing Media** None known based on information supplied.

#### **5.2 Special hazards arising from the substance or mixture**

##### **Special Hazard**

Thermal decomposition can lead to release of irritating gases and vapors

**Hazardous Combustion Products** Possible formation of carbon oxides, nitrogen oxides, and hazardous organic compounds.

##### **Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

#### **5.3 Advice for firefighters**

Evacuate personnel to safe areas. Move non-burning material, as feasible, to a safe location as soon as possible. As in any fire, wear self-contained breathing apparatus and full protective gear. Thoroughly decontaminate all protective equipment after use. Use water spray to cool fire-exposed containers.

### **6. Accidental Release Measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment. Stop leak if you can do it without risk. Refer to protective measures listed in sections 7 and 8. Avoid exceeding of the given occupational exposure limits (see section 8). Personal protection needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the training and the expertise of employees in the area responding to the spill.

#### **6.2 Environmental precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological information.

**6.3 Methods and materials for containment and cleaning up**

**Methods for Containment** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers. Soak up with inert absorbent material. Clean contaminated surface thoroughly.

**7. Handling and storage**

**7.1 Precautions for safe handling**

**Advice on safe handling** Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product. Use according to package label instructions. Empty containers may retain product residue or vapor.

**Hygiene measures** Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep away from food, drink and animal feedingstuffs. Keep from freezing.

**Materials to Avoid** No materials to be especially mentioned.

**8. Exposure controls/personal protection**

**8.1 Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	British Columbia	Alberta	Quebec	Ontario TWA/EV
Cuprous oxide 1317-39-1	TWA: 1 mg/m <sup>3</sup> Cu dust and mist	-				
Barium Sulfate 7727-43-7	TWA: 5 mg/m <sup>3</sup> inhalable fraction, particulate matter containing no asbestos and <1% crystalline silica	TWA: 15 mg/m <sup>3</sup> total dust TWA: 5 mg/m <sup>3</sup> respirable fraction	TWA: 10 mg/m <sup>3</sup> TWA: 3 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>	TWA: 10 mg/m <sup>3</sup>
Silica, vitreous 60676-86-0	-	: (80)/(%) SiO <sub>2</sub> mg/m <sup>3</sup> TWA TWA: 20 mppcf			TWA: 0.1 mg/m <sup>3</sup>	TWA: 0.1 mg/m <sup>3</sup>
Ethylene glycol monobutyl ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> S*	TWA: 20 ppm	TWA: 20 ppm TWA: 97 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 97 mg/m <sup>3</sup>	TWA: 20 ppm
POLYTETRAFLUORO ETHYLENE 9002-84-0	-	-			TWA: 2.5 mg/m <sup>3</sup>	
Cupric Oxide 1317-38-0	TWA: 1 mg/m <sup>3</sup> Cu dust and mist	-				

**8.2 Appropriate engineering controls**

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

None under normal use conditions.

**8.3 Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and body protection</b>	Wear protective gloves/ protective clothing. Remove and wash contaminated clothing before re-use.
<b>Respiratory protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
<b>Hygiene measures</b>	See section 7 for more information

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid
<b>Appearance</b>	No information available
<b>Color</b>	Red
<b>Odor</b>	Slight ammonia
<b>Odor Threshold</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
<b>pH</b>	8.0-9.0	
<b>Melting/freezing point</b>		No information available
<b>Boiling point/boiling range</b>		No information available
<b>Flash Point</b>	> 100 °C / > 212 °F	
<b>Evaporation rate</b>		No information available
<b>Flammability (solid, gas)</b>		No information available
<b>Flammability Limits in Air</b>		
upper flammability limit		No information available
lower flammability limit		No information available
<b>Vapor pressure</b>		No information available
<b>Vapor density</b>		No information available
<b>Specific Gravity</b>		No information available
<b>Water solubility</b>		No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>	> 22 mm <sup>2</sup> /s	
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>		No information available
<b>Oxidizing Properties</b>		No information available

**9.2 Other information**

<b>Volatile organic compounds (VOC) content</b>	< 150 g/L
<b>Density</b>	15.30 lb/gal

**10. Stability and Reactivity**

**10.1 Reactivity**

No dangerous reaction known under conditions of normal use

**10.2 Chemical stability**

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to Avoid

No information available.

### 10.5 Incompatible Materials

No materials to be especially mentioned.

### 10.6 Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors.

## 11. Toxicological information

### 11.1 Acute toxicity

#### Numerical measures of toxicity: Product Information

The following values are calculated based on chapter 3.1 of the GHS document

**Unknown Acute Toxicity** < 1% of the mixture consists of ingredient(s) of unknown toxicity

<b>Oral LD50</b>	1,531.00 mg/kg
<b>Dermal LD50</b>	41,114.00 mg/kg
<b>LC50 (Vapor)</b>	226.00 mg/l

#### Numerical measures of toxicity: Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cuprous oxide 1317-39-1	470 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	= 5 mg/L ( Rat ) 4 h
Barium Sulfate 7727-43-7	> 5005 mg/kg (rat)	-	-
Ethylene glycol monobutyl ether 111-76-2	470 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
N-Cyclopropyl-N'(1,1-dimethylethyl)- 6-(methylthio)-1,3,5-triazine-2,4-dia mine 28159-98-0	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	> 4.1 mg/L ( rat, 4-hr)

### 11.2 Information on toxicological effects

#### **Skin corrosion/irritation**

##### Product Information

- No information available

##### Component Information

- No information available

#### **Eye damage/irritation**

##### Product Information

- No information available

##### Component Information

- No information available

#### **Respiratory or skin sensitization**

##### Product Information

- No information available

Component Information

• No information available

**Germ cell mutagenicity**

Product Information

• No information available

Component Information

• No information available

**Carcinogenicity**

Product Information

• The table below indicates whether each agency has listed any ingredient as a carcinogen

Component Information

• Contains a known or suspected carcinogen

Chemical Name	ACGIH	IARC	NTP	OSHA
Silica, vitreous 60676-86-0	-	Group 3	-	

**Reproductive toxicity**

Product Information

• No information available

Component Information

• No information available

**STOT - single exposure**

No information available

**STOT - repeated exposure**

• No information available

**Other adverse effects**

Product Information

• No information available

Component Information

• No information available

**Aspiration hazard**

Product Information

• No information available

Component Information

• No information available

**12. Ecological information**

**12.1 Toxicity**

**Ecotoxicity**

No information available

13.89148027 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Ecotoxicity effects**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Cuprous oxide 1317-39-1	EC50: 96 h <i>Desmodesmus subspicatus</i> 65 mg/L EC50: 96 h <i>Pseudokirchneriella subcapitata</i> 0.021 - 0.037 mg/L EC50: 96 h <i>Pseudokirchneriella subcapitata</i> 0.055 - 0.076 mg/L static	-	EC50: 48 h <i>Daphnia magna</i> 0.51 mg/L

Ethylene glycol monobutyl ether 111-76-2	-	LC50: 96 h Lepomis macrochirus 1490 mg/L static LC50: 96 h Lepomis macrochirus 2950 mg/L	EC50: 48 h Daphnia magna 1000 mg/L
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**12.2 Persistence and degradability**

No information available.

**12.3 Bioaccumulative potential**

Discharge into the environment must be avoided

Chemical Name	log Pow
Ethylene glycol monobutyl ether 111-76-2	0.81

**12.4 Mobility in soil**

No information available.

**12.5 Other adverse effects**

No information available

**13. Disposal Considerations**

**13.1 Waste treatment methods**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. Transport Information**

<b>DOT</b>	Not regulated
<b>MEX</b>	no data available
<b>IMDG</b>	
<b>Proper shipping name</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (cuprous oxide), 9, PGIII, Marine Pollutant
<b>Special Provisions</b>	Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not regulated (per IMDG Code 2.10.2.7)
<b>IATA</b>	
<b>Proper shipping name</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (cuprous oxide), 9, PGIII
<b>Special Provisions</b>	Inner packagings 5 L (liquid) or 5 kg (solids) or less: Not restricted (per Special Provision A197)

**15. Regulatory information**

**15.1 International Inventories**

<b>TSCA</b>	Complies
<b>DSL</b>	-
<b>EINECS/ELINCS</b>	-
<b>ENCS</b>	-
<b>IECSC</b>	-
<b>KECL</b>	-
<b>PICCS</b>	-
<b>AICS</b>	-
<b>NZIoC</b>	-



TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
 DSL - Canadian Domestic Substances List  
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 ENCS - Japan Existing and New Chemical Substances  
 IECSC - China Inventory of Existing Chemical Substances  
 KECL - Korean Existing and Evaluated Chemical Substances  
 PICCS - Philippines Inventory of Chemicals and Chemical Substances  
 AICS - Australian Inventory of Chemical Substances  
 NZIoC - New Zealand Inventory of Chemicals

**15.2 U.S. 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 40 of the Code of Federal Regulations, Part 372:

Chemical Name	SARA 313 - Threshold Values %
Cuprous oxide 1317-39-1	1.0
Barium Sulfate 7727-43-7	1.0
Ethylene glycol monobutyl ether 111-76-2	1.0
Cupric Oxide 1317-38-0	1.0

**15.3 Pesticide Information**

**U.S. EPA Pesticide Information**

**EPA Pesticide Registration Number** 60061-136

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**EPA Pesticide Label**

WARNING. Causes eye irritation. Harmful if absorbed through the skin. May be fatal if swallowed or inhaled. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**15.4 U.S. State Regulations**

**California Proposition 65**

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
Crystalline silica (Quartz) (Respirable) - 14808-60-7	Carcinogen
Acetaldehyde - 75-07-0	Carcinogen
Acrylamide - 79-06-1	Carcinogen Developmental Male Reproductive
METHANOL - 67-56-1	Developmental

**16. Other information**

<b>NFPA</b>	<b>Health Hazard</b> 2	<b>Flammability</b> 1	<b>Instability</b> 0	<b>Physical and chemical hazards</b> - <b>Personal protection</b> X
<b>HMIS</b>	<b>Health Hazard</b> 2*	<b>Flammability</b> 1	<b>Physical Hazard</b> 0	

**Legend:**

ACGIH (American Conference of Governmental Industrial Hygienists)  
 Ceiling (C)

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*DOT (Department of Transportation)*  
*EPA (Environmental Protection Agency)*  
*IARC (International Agency for Research on Cancer)*  
*International Air Transport Association (IATA)*  
*International Maritime Dangerous Goods (IMDG)*  
*NIOSH (National Institute for Occupational Safety and Health)*  
*NTP (National Toxicology Program)*  
*OSHA (Occupational Safety and Health Administration of the US Department of Labor)*  
*PEL (Permissible Exposure Limit)*  
*Reportable Quantity (RQ)*  
*Skin designation (S\*)*  
*STEL (Short Term Exposure Limit)*  
*TLV® (Threshold Limit Value)*  
*TWA (time-weighted average)*

**Revision Date** 24-Feb-2016

**Revision Note**

No information available

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**