

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Product name : Biocop TF  
Product form : liquid  
Other means of identification : 1200-1 series

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

Use of the substance/mixture : Antifouling

**1.3. Details of the supplier of the safety data sheet**

New Nautical Coatings, Inc.  
Sea Hawk Premium Yacht Finishes  
14805 49th Street North  
Clearwater, FL 33762  
USA Only: 1-800-528-0997  
International: (727) 523-8053



**1.4. Emergency telephone number**

Emergency number : 813-523-8053  
Emergency number : CHEMTREC 1-800-424-9300

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification (GHS-US)**

Flam. Liq. 3	H226
Acute Tox. 4	H302
Asp. Tox. 1	H304
Eye Dam.1	H318
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1	H317
Carc. 1A	H350
Muta. 1B	H340

*Contains 10.94% ingredients of unknown oral toxicity.*

**2.2. Label elements**

**GHS-US labeling**

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

**Danger**

Hazard statements (GHS-US) :

H226 - Flammable liquid and vapor  
H302 - Harmful if swallowed  
H304- May be fatal if swallowed and enters airways  
H317- May cause an allergic skin reaction  
H318- Causes serious eye damage  
H340- May cause genetic defects  
H350- May cause cancer  
H400- Very toxic to aquatic life  
H410- Very 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 heat, hot surfaces, open flames, sparks. - No smoking  
P233 – Keep container tightly closed  
P240 – Ground and bond container and receiving equipment.  
P241 – Use explosion proof equipment.  
P242 – Use non-sparking tools.

# Biocop TF

## Safety Data Sheet

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

P243 – Take action to prevent static discharge.  
P261 - Avoid breathing dust/fume/mist/vapors/spray  
P264 – Wash face, hands and forearms thoroughly after handling  
P270 – Do not eat, drink, or smoke when using this product  
P272 – Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment  
P280 - Wear eye protection, protective clothing, protective gloves, face protection  
P301P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P302+P352 - IF ON SKIN: wash with plenty of soap and water  
P303+P353+P361+P364- IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water.  
P305+P351+P338- IF IN EYE: Rinse continuously with water for several minutes. Remove contact lens if present and easy to do- continue rinsing  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P310 – Immediately call a POISON CENTER or doctor if in eyes.  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell  
P321 - Specific treatment (see first aid instructions on this label)  
P330 - Rinse mouth.  
P331 – Do NOT induce vomiting  
P332+P313 – If eye irritation persists: Get medical advice/attention  
P333+P313- If skin irritation or a rash occurs: Get medical advice/attention  
P362+P364- Take off contaminated clothing and wash before use  
P370+P378 – In case of fire: Use carbon dioxide, dry powder, alcohol-resistant foam or water spray to extinguish.  
P391- Collect spillage  
P403- Store in a well ventilated place.  
P405- Store locked up  
P501 - Dispose of contents/container to licensed waste handling facility

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Substance type: Multi-constituent

Name	Product identifier	%
Solvent naphtha(petroleum), light aromatic	(CAS No) 64742-95-6	10-25
Ethylbenzene	(CAS No) 100-41-4	0.01 - 1
Cupric oxide	(CAS No) 1317-38-0	3-10
Zinc oxide	(CAS No) 1314-13-2	1-10
Cuprous oxide	(CAS No) 1317-39-1	35-50
Zinc pyrithione	(CAS No) 13463-41-7	4-10
Cumene	(CAS No) 98-82-8	0.1-1
Pseudocumene	(CAS No) 95-63-6	5-10
Xylene	(CAS No) 1330-20-7	0.1-1
Rosin x50	(CAS No) 8050-09-7	5-10
Toluene	(CAS No) 108-88-3	Trace
Benzene	(CAS No) 71-43-2	Trace
Amorphous Silica	(CAS No) 7631-86-9	0.1-1
Arsenic	(CAS No) 7440-38-2	0.1-1
Nickel	(CAS No) 7440-02-0	0.1-1
C18-28 Long Chain Chlorinated Paraffins	(CAS No) 63449-39-8	0.1-1
Talc	(CAS No) 14807-96-6	5-10
Crystalline silica (quartz)	(CAS No) 14808-60-7	0.1-1
Lead	(CAS No) 7439-92-1	0.1-1
2-Pyridol, 1-Oxide	(CAS No) 13161-30-3	0.1-1

Full text of H-phases: see section 16

### 3.2. Mixture

Not applicable

# Biocop TF

## Safety Data Sheet

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.
- First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get immediate medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Get medical advice/attention.
- First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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

- Symptoms/injuries after inhalation : May be fatal if swallowed and enters airways. .
- Symptoms/injuries after skin contact : May cause an allergic skin reaction.
- Symptoms/injuries after eye contact : Causes serious eye damage.
- Symptoms/injuries after ingestion : Harmful if swallowed.
- Chronic symptoms : May cause genetic defects. May cause cancer.

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

Obtain medical assistance.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Alcohol-resistant foam. Water spray.

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

- Fire hazard : Flammable liquid and vapor. May produce carbon oxides under fire conditions.
- Explosion hazard : Product is not explosive.
- Reactivity : No dangerous reactions known under normal conditions of use.

#### 5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).

### SECTION 6: Accidental release measures

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

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

##### 6.1.1. For non-emergency personnel

- Protective equipment : Wear protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Wear approved supplied-air respirator, in case of emergency.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Waste from this product may be hazardous as defined under RCRA (40 CFR 261).

#### 6.4. Reference to other sections

No additional information available

# Biocop TF

## Safety Data Sheet

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

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling

: Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking. Use appropriate personal protection equipment (PPE).

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

Storage temperature

: < 38 °C (100°F)

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

<b>Copper(I) oxide (1317-39-1)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Copper oxide (CuO) (1317-38-0)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Cumene (98-82-8)</b>	
ACGIH TWA (ppm)	50 ppm
OSHA PEL (TWA) (mg/m <sup>3</sup> )	245 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	50 ppm
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
ACGIH TWA (ppm)	100 ppm
ACGIH STEL (ppm)	150 ppm
OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	100 ppm
OSHA PEL (STEL) (mg/m <sup>3</sup> )	655 mg/m <sup>3</sup>
OSHA PEL (STEL) (ppm)	150 ppm
<b>Ethylbenzene (100-41-4)</b>	
ACGIH TWA (ppm)	20 ppm
Remark (ACGIH)	upper respiratory tract irritation; kidney damage (nephropathy); cochlear impairment
OSHA PEL (TWA) (mg/m <sup>3</sup> )	435 mg/m <sup>3</sup>
OSHA PEL (TWA) (ppm)	100 ppm
OSHA PEL (STEL) (mg/m <sup>3</sup> )	545 mg/m <sup>3</sup>
OSHA PEL (STEL) (ppm)	125 ppm
<b>Rosin (8050-09-7)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Toluene (108-88-3)</b>	
ACGIH TWA (ppm)	20 ppm
Remark (ACGIH)	Visual impair; female repro;
<b>Benzene (71-43-2)</b>	
ACGIH TWA (ppm)	0.5 ppm
ACGIH STEL (ppm)	2.5 ppm

# Biocop TF

## Safety Data Sheet

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

<b>Copper(I) oxide (1317-39-1)</b>	
OSHA PEL (TWA) (ppm)	1 ppm
OSHA PEL (STEL) (ppm)	5 ppm (see 29 CFR 1910.1028)
OSHA PEL (Ceiling) (ppm)	25 ppm
<b>Silica, amorphous (7631-86-9)</b>	
Remark (ACGIH)	OELs not established
OSHA PEL (TWA) (ppm)	20 mppcf (80)/(% SiO <sub>2</sub> ) mg/m <sup>3</sup>
<b>Arsenic (7440-38-2)</b>	
ACGIH TWA (mg/m <sup>3</sup> )	0.01 mg/m <sup>3</sup>
Remark (ACGIH)	Lung cancer
OSHA PEL (TWA) (mg/m <sup>3</sup> )	0.5 mg/m <sup>3</sup>
<b>Chlorinated paraffin waxes and hydrocarbon waxes (63449-39-8)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Silica: Crystalline, quartz (14808-60-7)</b>	
ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup> (respirable fraction)
OSHA PEL (TWA) (mg/m <sup>3</sup> )	(10)/(%SiO <sub>2</sub> + 2) total dust; (10)/(%SiO <sub>2</sub> + 2) respirable fraction
OSHA PEL (TWA) (ppm)	(250)/(%SiO <sub>2</sub> + 5) respirable fraction
<b>Talc (14807-96-6)</b>	
ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> particulate matter containing no asbestos and <1% crystalline silica, respirable fraction
OSHA PEL (TWA) (ppm)	20 mppcf if 1% Quartz or more, use Quartz limit
<b>Zinc oxide (1314-13-2)</b>	
ACGIH TWA (mg/m <sup>3</sup> )	2 mg/m <sup>3</sup> (respirable fraction)
ACGIH STEL (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (respirable fraction)
Remark (ACGIH)	Metal fume fever
OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
OSHA PEL (STEL) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume)
<b>Zeolite (1318-02-1)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Zinc pyrithione (13463-41-7)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>2-Hydroxypyridine 1-oxide (13161-30-3)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established

### 8.2. Exposure controls

Appropriate engineering controls

: Ensure adequate ventilation, especially in confined areas. Handle with good industrial hygiene and safety.

Personal protective equipment

: Face shield. Respiratory protection of the dependent type. Gloves. Protective goggles. Protective clothing.



Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection

: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear long sleeves. Handle with gloves

Respiratory protection

: An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

# Biocop TF

## Safety Data Sheet

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

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: liquid.
Color	: Light Blue,Dark Blue, Green, Red, Teal, Grey and Black
Odor	: Aromatic odour.
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=1)	: Not Measured
Relative evaporation rate (ether=1)	: Not Measured
Melting point	: No data available
Freezing point	: No data available
Boiling point	: Not Measured
Flash point	: 38°C (101°F)-closed cup
Self ignition temperature	: Na data avilable
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: Not Measured
Relative vapor density at 20 °C	: Heavier than air
Relative density	: 2.07 g/ml at 25°C (77°F)
Solubility	: Water: None
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Explosive limits	: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Upon combustion:CO and CO<sub>2</sub> are formed.Reacts violently with (strong) oxidizers:(increased)risk of fire/explosion.reacts with (some) acids.

#### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

#### 10.4. Conditions to avoid

Sparks. Heat. Open flame. Extremes of tempearture and direct sunlight.

#### 10.5. Incompatible materials

Avoid contact with : Strong oxidizing agents.

#### 10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute Toxicity: Harmful if swallowed.

#### Copper(I) oxide (1317-39-1)

LD50 oral rat	470 mg/kg
---------------	-----------

# Biocop TF

## Safety Data Sheet

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

<b>Copper(I) oxide (1317-39-1)</b>	
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	5 mg/l/4h dust
ATE CLP (oral)	470.000 mg/kg bodyweight
ATE CLP (vapours)	5.000 mg/l/4h
ATE CLP (dust,mist)	5.000 mg/l/4h
<b>Solvent naphtha, petroleum, light aromatic (64742-95-6)</b>	
LD50 oral rat	8400 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5.2 mg/l/4h
LC50 inhalation rat (ppm)	3400 ppm/4h
<b>Cumene (98-82-8)</b>	
LD50 oral rat	1400 mg/kg
LD50 dermal rabbit	12300 µg/kg
LC50 inhalation rat (ppm)	> 3577 ppm 6 h
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
LD50 oral rat	3400 mg/kg
LD50 dermal rabbit	> 3160 mg/kg
LC50 inhalation rat (mg/l)	18 g/m <sup>3</sup> 4h
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
LD50 oral rat	3500 mg/kg
LD50 dermal rat	> 29.08 mg/kg
LC50 inhalation rat (mg/l)	29.08 mg/l/4h vapor
ATE CLP (dermal)	1100.000 mg/kg bodyweight
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h
<b>Ethylbenzene (100-41-4)</b>	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15400 mg/kg
LC50 inhalation rat (mg/l)	17.2 mg/l/4h
ATE CLP (gases)	4500.000 ppmv/4h
ATE CLP (vapours)	11.000 mg/l/4h
ATE CLP (dust,mist)	1.500 mg/l/4h
<b>Rosin (8050-09-7)</b>	
LD50 oral rat	7600 mg/kg
LD50 dermal rabbit	> 2500 mg/kg
LC50 inhalation rat (mg/l)	1.5 mg/l/4h
<b>Toluene (108-88-3)</b>	
LD50 oral rat	636 mg/kg
LD50 dermal rat	12124 mg/kg
LD50 dermal rabbit	8390 mg/kg
LC50 inhalation rat (mg/l)	12.5 mg/l/4h
LC50 inhalation rat (ppm)	> 26700 ppm/1h
<b>Benzene (71-43-2)</b>	
LD50 oral rat	1800 mg/kg
LC50 inhalation rat (ppm)	13050 ppm/4h
<b>Silica, amorphous (7631-86-9)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 2.2 mg/l 1h
<b>Arsenic (7440-38-2)</b>	
LD50 oral rat	15 mg/kg
ATE CLP (oral)	100.000 mg/kg bodyweight
ATE CLP (gases)	700.000 ppmv/4h
ATE CLP (vapours)	3.000 mg/l/4h
ATE CLP (dust,mist)	0.500 mg/l/4h

# Biocop TF

## Safety Data Sheet

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

<b>Silica: Crystalline, quartz (14808-60-7)</b>	
LD50 oral rat	500 mg/kg
<b>Zinc oxide (1314-13-2)</b>	
LD50 oral rat	> 5000 mg/kg
<b>Zeolite (1318-02-1)</b>	
LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	2.4 mg/l 1 h
<b>Zinc pyrithione (13463-41-7)</b>	
LC50 inhalation rat (mg/l)	140 mg/m <sup>3</sup> 4 h

<b>Cumene (98-82-8)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
IARC group	3 - Not classifiable
<b>Ethylbenzene (100-41-4)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Toluene (108-88-3)</b>	
IARC group	3 - Not classifiable
<b>Benzene (71-43-2)</b>	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
<b>Silica, amorphous (7631-86-9)</b>	
IARC group	3 - Not classifiable
<b>Arsenic (7440-38-2)</b>	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens
<b>Chlorinated paraffin waxes and hydrocarbon waxes (63449-39-8)</b>	
IARC group	2B - Possibly carcinogenic to humans
<b>Silica: Crystalline, quartz (14808-60-7)</b>	
IARC group	1 - Carcinogenic to humans
<b>Talc (14807-96-6)</b>	
IARC group	3 - Not classifiable
<b>Zeolite (1318-02-1)</b>	
IARC group	3 - Not classifiable

Skin corrosion/irritation	: Not Applicable, Not classified
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: May cause an allergic skin reaction
Germ cell mutagenicity	: May cause genetic defects, category 1B.
Carcinogenicity	: May cause cancer, category 1A.
Acute Toxicity(Mouth)	Harmful if swallowed
Acute Toxicity( skin)	Not Applicable, Not classified
Reproductive toxicity	: Not Applicable, Not classified
Specific target organ toxicity (single exposure)	: Not Applicable, Not classified
Specific target organ toxicity (repeated exposure)	: Not Applicable, Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways category 1
Symptoms/injuries after inhalation	: May be fatal if swallowed and enters airways.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction
Symptoms/injuries after eye contact	: Causes serious eye damage.
Symptoms/injuries after ingestion	: Harmful if swallowed.
Chronic symptoms	: May cause cancer.

### SECTION 12: Ecological information

#### 12.1. Toxicity



# Biocop TF

## Safety Data Sheet

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

<b>Cuprous oxide (1317-39-1)</b>	
LC50 fishes l	0.075 mg/l (96 h; danio rerio)
EC50 daphnia l	0.042 mg/l (48 h; Daphnia similis)
Threshold limit algae l	0.03 mg/l (96 h; Pseudokirchneriella subcapitata)

<b>Zinc oxide (1314-13-2)</b>	
LC50 fishes l	1.10 mg/l (96 h; Oncorhynchus mykiss)
EC50 daphnia l	0.098 mg/l (48 h; Daphnia magna)
Threshold limit algae l	0.042 mg/l (72 h; Pseudokirchneriella subcapitata )

<b>Zinc pyrrhione (13463-41-7)</b>	
LC50 fishes l	0.0026 mg/l (96 h; Pimephales promelas)
EC50 daphnia l	0.0082 mg/l (48 h; Daphnia magna)
Threshold limit algae l	0.028 mg/l (96 h; Selenastrum capricornutum)

### 2.2. Persistence and degradability

No data available

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Other adverse effects

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: Transport information

In accordance with DOT

### 14.1. UN number

UN-No.(DOT) : 1263  
DOT NA no. : UN1263

### 14.2. UN proper shipping name

DOT Proper Shipping Name : paint

Department of Transportation (DOT) Hazard Classes : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120

Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : III-Minor Danger

### 14.3. Additional information

#### Transportation by land(ADR)

Transport document description : UN 1263 ,PAINT,3,III,(D/E)

# Biocop TF

## Safety Data Sheet

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

Packaging group (ADR) : III  
Class (ADR) : 3- Flammable liquid  
State during Transport(ADR-RID) : As liquid

Hazard identification number (Kemler No.) : 30

Classification code( ADR) : F1

Tunnel restriction code : D/E  
Danger labels (ADR) : 3 - Flammable liquid



### Transport by sea

UN-No. (IMDG) : 1263  
Packaging Group : III

Class (IMDG) : 3- Flammable liquid  
EmS-No.(1) : F-E  
EmS-No.(2) : S-E  
Marine Pollutant : Yes

### Air transport

UN-No. (IATA) : 1263.

Class (IATA) : 3- Flammable liquid

Packaging group (IATA) : III-Minor Danger

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) :

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) :

Other information : No supplementary information available.

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed on the United States TSCA (Toxic Substances Control Act) inventory.

<b>Cumene (98-82-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb
SARA Section 313 - Emission Reporting	1 %
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 %
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	100 lb

# Biocop TF

## Safety Data Sheet

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

<b>Cumene (98-82-8)</b>	
SARA Section 313 - Emission Reporting	1 %
<b>Ethylbenzene (100-41-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb
SARA Section 313 - Emission Reporting	0.1 %
<b>Toluene (108-88-3)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
<b>Benzene (71-43-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	10 lb (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)
SARA Section 313 - Emission Reporting	0.1 %
<b>Arsenic (7440-38-2)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1 lb (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
SARA Section 313 - Emission Reporting	0.1 %

### 15.2. International regulations

#### CANADA

No additional information available

### 15.3. US 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 and/or reproductive toxicity

<b>Cumene (98-82-8)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	
<b>Ethylbenzene (100-41-4)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	
<b>Toluene (108-88-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	Yes	No	No	
<b>Benzene (71-43-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	Yes	No	Yes	
<b>Arsenic (7440-38-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	Yes	No	No	
<b>Silica: Crystalline, quartz (14808-60-7)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	

# Biocop TF

## Safety Data Sheet

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

<b>Cumene (98-82-8)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Benzene, 1,2,4-trimethyl- (95-63-6)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Xylenes (o-, m-, p- isomers) (1330-20-7)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Ethylbenzene (100-41-4)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Toluene (108-88-3)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) List
<b>Benzene (71-43-2)</b>
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
<b>Silica, amorphous (7631-86-9)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) List
<b>Arsenic (7440-38-2)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
<b>Chlorinated paraffin waxes and hydrocarbon waxes (63449-39-8)</b>
U.S. - Massachusetts - Right To Know List
<b>Silica: Crystalline, quartz (14808-60-7)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Massachusetts - Right To Know List
<b>Talc (14807-96-6)</b>
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
<b>Zinc oxide (1314-13-2)</b>
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### SECTION 16: Other information

Indication of changes	: Revision 1.0 – 06/27/ 2014 - New SDS Created.
Other information	: Mario Garneau, edited by MP
NFPA health hazard	: 2-intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given
NFPA fire hazard	: 3 – Liquids and solids that can be ignited under almost all ambient conditions
NFPA reactivity	: 0-Normally stable, even under fire exposure conditions, and are not reactive with water.

# Biocop TF

## Safety Data Sheet

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

---

### HMIS III Rating

Health	: 2
Flammability	: 3
Physical hazard	: 0
Personal Protection	: H

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using this material in combination with any other material or any other process is the responsibility of the user. All materials present unknown health hazards and should be used with caution. Although certain hazards are described herein, the manufacturer and its agents cannot guarantee that these are the only hazards which exist. Further, the manufacturer and its agents assume no responsibility for personal injury or property damage to vendors, users, or third-parties caused by this material. User assumes all risks associated with the use of this material. No warranty, express or implied, is made and New Nautical Coatings, Inc assumes no liability resulting from the use of this SDS. The user must determine suitability of this information for his application.