

# SAFETY DATA SHEET

NAME OF PRODUCT Flexgard VI

SDS DATE: 8/2/2018

Version 2: 2-12-2020

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## SECTION 1: Identification of the substance/mixture and of the company

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PRODUCT NAME: Flexgard VI

USES: Bottom paint for pleasure crafts and net dip antifouling.  
Do not use for any application other than its intended use.

This Safety Data Sheet has been updated in accordance with the Global Harmonized System (GHS).

MANUFACTURER: New Nautical Coatings, Inc.

ADDRESS:

14805 49th St. North, Clearwater, FL 33762  
Tel: 727-523-8053

EMERGENCY PHONE: 1-800-424-9300

CHEMTREC 24 Hour Emergency Response: 1-800-424-9300

Information: SDS Coordinator: 1-732-901-6500

FAX PHONE: 1-732-901-6504

PREPARED BY: New Nautical Coatings, Inc.

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## SECTION 2: HAZARD(S) IDENTIFICATION

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### EMERGENCY OVERVIEW:

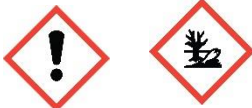
Causes irritation to the skin, eyes, mucous membranes and respiratory tract.  
Can be absorbed through the skin causing systemic effects.

### GHS Classification:

H302 Harmful if swallowed  
H313 May be Harmful in contact with skin  
H373 May cause damage to organs through prolonged or repeated exposure  
H410 Very toxic to aquatic life with long lasting effects

### GHS Label elements:

### Pictograms:



### Signal Word:

**Danger**

### Hazard Statements:

#### Description

H301 Toxic if Swallowed  
H302 Harmful if swallowed  
H313 May be harmful in contact with Skin  
H373 May cause damage to organs through prolonged or repeated exposure  
H410 Very toxic to aquatic life with long lasting effects

### Precautionary Statements: Description

P262 Do not get in eyes, on skin or on clothing  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment  
P280 Wear protective gloves/eye protection/face protection  
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P302+352 IF ON SKIN: Wash with soap and water  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes.  
Remove contact lenses if present and easy to do-continue rinsing  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P330 Rinse mouth  
P331 DO NOT induce vomiting

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P333+313 If skin irritation or a rash occurs: Get medical advice/attention  
P337 If eye irritation persists  
P362 Take off contaminated clothing and wash before reuse  
P391 Control spillage  
P403+233 Store in a well ventilated place. Keep container tightly closed  
P501 Dispose of contents/container in accordance with local/national regulations

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Acrylic Copolymer Proprietary	11.0 – 19.0	Not Classified as Hazardous	
Ethylene Glycol CAS# 107-21-1	1.0 – 3.0	Acute toxicity, Oral Skin irritation Specific target organ systemic toxicity – single exposure, Oral, Central nervous system, Kidney Specific target organ systemic toxicity – repeated exposure, Oral, Central nervous system, Kidney Category 4 Category 2 Category 1 Category 2	1, 2
Dibutyl Phthalate CAS# 84-74-2	1.0 – 3.0	Reproductive toxicity Acute aquatic toxicity (Category 1B), H360 (Category 1), H440	1, 2
Zinc Oxide CAS# 1314-13-2	1.0 – 3.0	Aquatic Acute Aquatic Chronic Very toxic to aquatic life, H400 Very toxic to aquatic life with long lasting effects, H410	
Cuprous Oxide CAS# 1317-39-1	18.0	Acute toxicity Aquatic Acute Aquatic Chronic (4) Harmful if swallowed, H302 Very toxic to aquatic life, H400 Very toxic to aquatic life with long lasting effects, H410	1, 2
Carbon Black CAS No. 1333-86-4	1.5 -3.0	Acute Toxicity – No evidence of adverse effects from available data Acute Eye – High dust concentrations may cause mechanical irritation to eye. Acute Skin – May cause mechanical irritation, soiling and skin drying, Sensitization – No cases of sensitization have been reported in humans Carcinogenicity – IARC listed; Group 2B (possibly carcinogenic to humans). Not listed as carcinogen by NTP, ACGIH, OSHA or the European Union. There are no known human carcinogenic effects related to the PAH content of carbon blacks. Recent research has shown that the PAH content of carbon blacks is not released in biological fluids and thus not available for biological activity.	1, 2

GHS Classification Scale (1 = severe; 4 = slight)

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit

[3] PBT substance or vPvb substance

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## SECTION 4: FIRST AID MEASURES

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### Description of first aid measures

<b>General</b>	Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Eyes</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
<b>Skin</b>	In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.
<b>Ingestion</b>	If swallowed, immediately contact Poison Control Center. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

### Important symptoms and effects, acute and delayed

<b>Overview</b>	Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.
<b>Inhalation</b>	Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing Dizziness, headache or nausea.
<b>Eyes</b>	Causes severe eye irritation. Avoid contact with eyes.
<b>Skin</b>	Causes skin irritation. May be harmful if absorbed through skin.
<b>Ingestion</b>	Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea or drowsiness.
<b>Chronic effects</b>	Contains an ingredient that may cause organ damage (kidney) after prolonged or repeated exposure.

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## SECTION 5: FIRE-FIGHTING MEASURES

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<b>Conditions of flammability</b>	Material may burn but does not ignite readily. Fire may produce irritating and or toxic gasses. Heated containers may explode.
<b>Extinguishing media</b>	Use dry chemical powder, CO2 or foam, water spray may be used for large fires.
<b>Special protective equip.</b>	Wear a self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and full protective gear.
<b>Hazardous combustion products</b>	Carbon oxides
<b>Special information</b>	Use water spray to disperse vapors and to protect personnel attempting to stop leak. Can react vigorously with oxidizing materials. Do not allow fire water contaminated with this product to enter any waterway or storm drain.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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<b>Personal precautions</b>	Wear adequate/appropriate personal protection equipment. Ventilate area if confined space.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or soil. Discharge into the environment must be avoided.
<b>Methods of containment/cleanup</b>	Contain liquid with dirt, sand, vermiculite or other noncombustible solids. Transfer to a metal container for disposal.

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## SECTION 7: HANDLING AND STORAGE

<b>Handling</b>	Wear adequate personal protective equipment. Keep containers tightly closed. Avoid contact with skin or eyes.
<b>Storage</b>	Store in a cool, dry, well-ventilated area, protect from freezing.
<b>Incompatibilities</b>	Oxidizing agents, including nitric acid and peroxides.
<b>Suitable Packing Materials</b>	Polyethylene, poly propylene or Stainless steel (tanks/containers) Do <b>NOT</b> store in lead, steel or aluminum containers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS No.	Ingredient	Source	Value
Proprietary	Acrylic Copolymer Emulsion	Supplier	No Controls
CAS# 107-21-1	Ethylene Glycol	ACGIH	100mg/m3 (CEILING) aerosol only
CAS# 84-74-2	Dibutyl Phthalate	OSHA	TWA 5mg/m3 (Table Z-1 Limits for Air Contaminants)
		ACGIH	5 mg/m3 Upper respiratory, Eye irritation, Testicular damage
		NIOSH	TWA 5 mg/m3
CAS# 1317-39-1	Cuprous Oxide	OSHA	PEL 1mg.m3 (8hr. TWA) As mists and dusts
		ACGIH	PEL 1mg.m3 (8hr. TWA) As mists and dusts
1333-86-4	Carbon Black	OSHA	3.5mg/m3 TWA
		ACGIH	3 mg/m3 TWA (inhalable fraction)
1314-13-2	Zinc Oxide	OSHA	PEL 5mg/m3 (fume) 15mg/m3 (total dust) and 5mg/m3 (respirable dust). 8hr. TWA
		ACGIH	2mg/m3 (8hr. TWA) and 10mg/m3 (STEL) for the respirable fraction
		NIOSH	5mg/m3 (fume and dust) averaged over a 10 hr. work shift, 10mg/m3 as a short term exposure limit (for fume) and 15mg/m3 (for dust), not to be exceeded at any time.

PEL = Permissible Exposure Limits  
TLV = Threshold Limit Value  
EL = Excursion Limit

TWA = Time Weighted Average (8 hr.)  
STEL = Short Term Exposure Limit (15 min.)  
WEEL = Workplace Environmental Exposure Level

### Exposure Controls:

**Respiratory** Select equipment to provide protection from the ingredients listed in section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor or mist levels above the applicable limits, wear appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator use.

**Eyes** Avoid contact with eyes. Protective equipment should be selected to provide protection from the ingredients Listed in section 3 of this document. Depending on site and application method specific conditions, safety glasses, chemical goggles, and or head and face protection may be required. All equipment must be thoroughly cleaned or discarded after use.

**Skin** Select equipment to provide protection from the ingredients listed in section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection May be required to prevent contact. All equipment must be thoroughly cleaned or discarded after each use.

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**Engineering Controls** Ensure adequate ventilation to keep exposure levels at a minimum under the specific conditions.

**Other Work Practices** Emergency eye wash stations and safety showers should be available in the immediate work area. Use good Personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove exposed/spoiled clothing and wash separately before reuse. Shower after work using plenty of soap and water.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE: Black, Red Viscous

ODOR: Mild latex

PHYSICAL STATE: liquid

PH AS SUPPLIED: Not Measured

BOILING POINT:

F: Not Measured

C: Not Measured

MELTING POINT:

F: Not Measured

C: Not measured

FREEZING POINT:

F: Not measured

C: Not Measured

VAPOR PRESSURE (mmHg): Not Measured

@

F:

C:

VAPOR DENSITY (AIR = 1): Heavier than air

@

F:

C:

SPECIFIC GRAVITY (H<sub>2</sub>O = 1):

@ 1.44-1.45

F: 77

C:

EVAPORATION RATE: NE MIXTURE

BASIS (=1):

SOLUBILITY IN WATER: Negligible

MIXTURE

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## SECTION 10: STABILITY AND REACTIVITY

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Reactivity No data available

10.2. Chemical stability This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact. Excessive heat and fume generation can occur if improperly handled.

10.3. Possibility of hazardous reactions No data available

10.4. Conditions to avoid No data available

10.5. Incompatible materials Strong oxidizing agents.

10.6. Hazardous decomposition products May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Hydrogen chloride, Chlorinated compounds, Carbon Dioxide and Carbon Monoxide.

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## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION:

Ingredient	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation Vapor LC 50	Eye Damage/irritation
Acrylic Copolymer Emulsion	No Data Available	No Data Available	No Data Available	No Data Available
Ethylene Glycol	7712 (rat)	3500 (mouse)	2.5 mg/l (rat) (6 hr.)	Not Classified
Dibutyl Phthalate	8000 (rat)	20860 (rabbit)	4250 mg/m3 (rat)	No Data
Cuprous Oxide	No Data	Not Classified	Nat Classified	Not Classified
Carbon Black	8000 (rat)	3000 (rabbit)	No Data Available	No Data Available
Zinc Oxide	>5000 Rat	No sensitizing effects known	5.7 mg/l (rat) (4hr)	No sensitizing effects known

All ingredient values, literature values

<u>Item</u>	<u>Category</u>	<u>Hazard</u>
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation.
Eye damage/irritation	Not Classified	Not Applicable
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	Not Classified	Not Applicable
Germ toxicity	Not Classified	Not Applicable
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

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## SECTION 12: ECOLOGICAL INFORMATION

Ingredient	Toxicity to fish LC50	Toxicity to invertebrates LC50	Toxicity to algae EC50	Biodegradation	Bioaccumulation	Mobility in soil
Acrylic Copolymer Emulsion	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
Ethylene Glycol	Low acute toxicity to fish	Low acute toxicity to aquatic invertebrates	Low acute toxicity to algae	Rapidly degradable	Not expected to bioaccumulate.	Low potential for soil adsorption
Dibutyl Phthalate	Fathead minnow 0.85 mg/l (96.0 hr.)	Daphnia Magna 3.7 mg/l (96.0 hr)	No Data	81% Readily biodegradable. (C.4C of the council regulation (EC) No 440/2008)	Fat head minnow 11 day 0.0348 mg/l Bioconcentration factor (BCF): 2,165 Does not bioaccumulate	No Data Available
Cuprous Oxide	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available
Zinc Oxide	No Data Available	No Data Available	IC50 (72h)0.21 mg/l	No Data Available	Not expected to bioaccumulate	No Data Available

All ingredient Values, literature values

Persistence and degradability	No data available
Bio accumulative potential	Not Measured
Mobility in soil	No data available
Results of PBT and vPvB assessment	This product contains no PBT/vPvB chemicals.
Other adverse effects	No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations. This product contains components that are RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service. Empty containers must be handled with care due to product residue.

## SECTION 14: TRANSPORT INFORMATION

**UN-number:** 3082

**Proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. (Cuprous Oxide)

The product is classified: Environmentally Hazardous Substance

### Sea (IMDG):

**Class:** 9  
**PG:** III  
**MP:** Yes  
**EmS:** F-A, S-F

**MFAG:** 1

**Inland Waterways:** To be handled locally.

### Air (ICAO/IATA):

**Class** 9  
**PG:** III

### Land (DOT):

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## SECTION 15: REGULATORY INFORMATION

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EPA Registration No. 44891-27

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification Not Regulated

DOT Marine Pollutants (10%):  
(No Product Ingredients Listed)

DOT Severe Marine Pollutants (1%):  
Copper

EPCRA 311/312 Chemicals and RQs (>.1%):  
Copper 5000 lb. final RQ  
Ethylene Glycol  
Dibutyl Phthalate

EPCRA 302 Extremely Hazardous (>.1%):  
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%):  
Copper  
Ethylene Glycol  
Dibutyl Phthalate

Mass RTK Substances (>1%):  
Titanium dioxide  
Zinc oxide  
Ethylene Glycol  
Dibutyl Phthalate  
Carbon Black

Penn RTK Substances (>1%):  
1,2-Propylene glycol  
Zinc oxide  
Ethylene Glycol  
Dibutyl Phthalate  
Carbon Black

Penn Special Hazardous Substances (>.01%):  
(No Product Ingredients Listed)

RCRA Status:  
(No Product Ingredients Listed)

N.J. RTK Substances (>1%):  
1,2-Propylene glycol  
Zinc oxide  
Ethylene Glycol  
Dibutyl Phthalate  
Carbon Black

N.J. Special Hazardous Substances (>.01%):  
(No Product Ingredients Listed)

N.J. Env. Hazardous Substances (>.1%):  
Copper

Proposition 65 – Carcinogens (>0%):  
None none

Proposition 65 – Female Repro Toxins (>0%):  
Dibutyl Phthalate



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Proposition 65 – Male Repro Toxins (>0%):

Lead  
Dibutyl Phthalate

Proposition 65 – Developmental Toxins (>0%):

Dibutyl Phthalate

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## SECTION 16: OTHER INFORMATION

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HMIS:

Health	1
Fire	1
Physical Hazard	0

ABBREVIATIONS:

ACGIH = American Conference of Governmental Industrial Hygienists  
OSHA = Occupational Safety and Health Administration  
TLV = Threshold Limit Value  
TWA = Time Weighted Average  
PEL = Permissible Exposure Limit  
STEL = Short Term Exposure Limit  
NA = Not Applicable  
NE = Not Established

PREPARATION INFORMATION: HMIS Hazard Ratings Scale 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Extreme

VOC: 133 gr. per liter  
1.1078 lbs. per gal.

Check with supervisor for appropriate personal protection in accordance with rating.

Reviewed 7/2018

DISCLAIMER:

The information contained herein is based on data provided by our suppliers and relates only to the specific material identified. Flexabar Corporation believes that the information is accurate and reliable as of the preparation date of this material safety data sheet and reflects our best judgement, but no representation, guarantee or warranty expressed or implied is made as to the accuracy, reliability or completeness of the information. Flexabar Corporation urges persons receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

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