

SAFETY DATA SHEET (SDS)

SDS Date: 6/10/2015 Rev. 2 Date: 3-27-2020

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARMOR BOTTOM PAINT

PRODUCT CODES 13001, 13002, 13003, 13005, 13007, 13101, 13102, 13103, 13105, 13107

USES: Bottom paint for pleasure crafts.

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:

888-353-9335

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

PREPARED BY: Flexabar Information Services

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

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

GHS Classification:

H326 Flammable liquid and vapor
H302 Harmful if swallowed
H313 May be Harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
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**

H326 Flammable liquid and vapor
H302 Harmful if swallowed
H313 May be Harmful in contact with skin
H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H410 Very toxic to aquatic life with long lasting effects

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P260 Do not breathe mist / vapors / spray.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P262 Do not get in eyes, on skin, or on clothing.
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 protective gloves / eye protection / face protection.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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P302+352 IF ON SKIN: Wash with soap and water.
 P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 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.
 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. P363 Wash contaminated clothing before reuse.
 P370 In case of fire: Use water spray, fog, or regular foam.. P391 Collect spillage.
 P403+233 Store in a well ventilated place. Keep container tightly closed.
 P501 Dispose of contents / container in accordance with local / national regulations. HMIS Rating

Health: 2*

Flammability: 3

Reactivity: 0

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Tralopril CAS# 122454-29-9	5.0 – 6.0	Acute toxicity (Oral) Category 2 Acute toxicity (Inhalation) Category 2 Acute toxicity (Dermal) Category 3 Specific target organ toxicity - repeated exposure Category 1 Acute aquatic toxicity Category 1 Chronic aquatic toxicity Category 1	1,2
Zinc Pyron CAS# 13463-41-7	3.5 – 4.5	Acute toxicity (Oral) Category 3 Acute toxicity (Inhalation) Category 3 Serious eye damage Category 1 Acute aquatic toxicity Category 1 Chronic aquatic toxicity Category 1	1,2
Xylenes (mixed isomers) CAS# 1330-20-7	20.0 – 25.0	Flam. Liq. (3); Flammable liquid and vapor, H226 Acute Tox. (4); Harmful if inhaled, H332 Acute Tox. (4); Harmful in contact with skin, H312 Skin Irrit. (2); Causes skin irritation, H315 Eye Irrit. (920); Causes serious eye irritation, H319 STOT (SE) (3); May cause respiratory irritation, H335 Asp. Tox. (1); May be fatal if swallowed and enters airways, H304	1,2
Mineral Spirits (Stoddard solvent) CAS# 8052-41-3	20.0 – 25.0	Flam. Liq. (3); Flammable liquid and vapor, H226 Acute Tox. (4); Harmful if inhaled, H332 Skin Irrit. (2); Causes skin irritation, H315 Eye Irrit. (920); Causes serious eye irritation, H319 STOT (SE) (3); May cause respiratory irritation, H335 STOT (SE) (3) Narcotic Effects STOT (RE) (2); Central nervous system (CNS) Asp. Tox. (1); May be fatal if swallowed and enters airways, H304	1, 2
Toluene CAS No. 108-88-3	0.35 – 0.50	FLAMABLE LIQUID – Category 2 SKIN CORROSION/IRRITATION – Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2A TOXIC TO REPRODUCTION (unborn child) – Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Narcotic effects] – Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) – Category 2 ASPIRATION HAZARD – Category 1	1,2

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Kaolin CAS# 1317-70-0	3.0 – 7.0	-----	1, 2
Zinc Oxide CAS# 1314-13-2	1.0 – 5.0	Aquatic Acute Very toxic to aquatic life, H400 Aquatic Chronic Very toxic to aquatic life with long lasting effects, H410	1, 2
Ethylbenzene CAS# 100-41-4	4.0 – 7.0	Flam. Liq. (2); HIGHLY FLAMMABLE Liquid and Vapor, H225 Acute Tox. (4); Harmful if inhaled, H332 Asp. Tox. (1.); may be fatal if swallowed and enters airways, H304 Eye Irrit. (2); Causes serious eye irritation, H319 Skin Irrit. (2); Causes skin irritation, H315 STOT (SE) (3); May cause respiratory irritation, H335 STOT (RE) (2); May cause damage to organs through prolonged or repeated contact, H373	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

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean contaminated shoes.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

Skin In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.

Ingestion 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

Overview Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.

Inhalation Harmful if inhaled. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing Dizziness, headache or nausea.

Eyes Causes severe eye irritation. Avoid contact with eyes.

Skin Causes skin irritation. May be harmful if absorbed through skin.

Ingestion Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea or drowsiness.

Chronic effects Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data. Risk of cancer dependent on duration and level of exposure.

SECTION 5: FIRE-FIGHTING MEASURES

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CLEAR THE AREA OF ALL NON FIRE-FIGHTING PERSONAL

Extinguishing media;

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient.

SMALL FIRES: Use dry chemical, CO₂, water spray or alcohol-resistant foam.

LARGE FIRES: Use water spray, fog, or alcohol-resistant foam. Do not use straight streams. Move containers from fire area if you can do so without risk. Runoff from fire control may cause pollution. Dike fire control water for later disposal. Do not scatter the material.

Special hazards arising from the substance or mixture;

May produce hazardous fumes when heated to decomposition as in welding. Fumes may produce Carbon Dioxide and Carbon Monoxide.

Advice for fire-fighters;

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions** Wear adequate/appropriate personal protection equipment.
- Emergency procedures** Eliminate all potential sources of ignition.
- Environmental precautions** 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.
- Methods of containment/cleanup** Contain liquid with dirt, sand, vermiculite or other noncombustible solids. Transfer to a metal container for disposal.

CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 25 to 50 meters (80 to 160 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

SECTION 7: HANDLING AND STORAGE

- Handling** Wear adequate personal protective equipment.
Keep containers tightly closed.
Avoid breathing vapors.
Avoid contact with skin or eyes.
Keep away from heat, spark and open flames.
Ground all equipment and comply with National Electric Code.
- Storage** Store in a cool, dry, well-ventilated area away from sources of ignition.
- Incompatibilities** Oxidizing agents, including nitric acid and peroxides.
- Suitable Packing Materials** Steel, Stainless steel (tanks/containers)
Do **NOT** store in lead or synthetic containers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

In the absence occupational exposure standards for this product, it is recommended that the following are adopted.

CAS #	Ingredient	Source	
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1330-20-7	Xylene (mixed Isomers)	OSHA	100 ppm TWA; 435 mg/m ³ TWA; 150 ppm STEL; 655 mg/m ³ STEL
		ACGIH	100 ppm TWA; 150 ppm STEL
		NIOSH	No Established Limit
8052-41-3	Mineral Spirits (Stoddard Solvent)	OSHA	550 ppm TWA; 2900 mg/m ³ TWA
		ACGIH	100 ppm TWA
		NIOSH	350 mg/m ³ TWA; 1800mg/m ³ Ceiling (15 min); 20000 mg/m ³ IDLH
100-41-4	Ethylbenzene	OSHA	100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STEL
		ACGIH	20 ppm TWA
		NIOSH	100 ppm TWA; 435 mg/m ³ TWA 125 ppm STEL; 545 mg/m ³ STE; L800 ppm IDLH (10% LEL)
1314-13-2	Zinc Oxide	OSHA	5 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction) 10 mg/m ³ STEL (fume)
		ACGIH	2 mg/m ³ TWA (respirable fraction) 10 mg/m ³ STEL (respirable fraction)
		NIOSH	5 mg/m ³ TWA (dust and fume) 10 mg/m ³ STEL (fume) 15 mg/m ³ Ceiling (dust) 500 mg/m ³ IDLH
1332-58-7	Kaolin	OSHA	PEL 5 mg/m ³ Respirable fraction; PEL 15 mg/m ³ Total dust; TWA value 10mg/m ³ Total dust; TWA value 5mg/m ³ Respirable fraction
		ACGIH	TEA value 2mg/m ³ Respirable fraction; The value is for particulate matter containing no asbestos and <1% crystalline silica
		NIOSH	No Established Limit
122454-29-9	Tralopyril	Manufacturer (J&J)	0.040 mg/m ³ TWA
13463-41-7	Pyrrithione zinc	Manufacturer (J&J)	2.5 mg/m ³ TWA
108-88-3	Toluene	OSHA	TWA 200 ppm 8hours; CEIL 300 ppm; AMP 500 ppm 10 minutes
		ACGIH TLV	TWA 20 ppm 8 hours

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.

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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Toluene 108-88-3	5500ug/l Oncorhynchus kisutch-Fry 96 hr.	6000 ug/l Daphnia Magna Juvenile 48 hr.	12500 ug/l Pseudokirchneri ella subcapitata	Readily	Low	No Data Available
Ethylbenzene 100-41-4	Fathead minnow 0.85 mg/l (96.0 hr)	Daphnia Magna- Neonate 2930 µg/l (48.0 hr.)	1000 µg/l C96 hr.)	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
Zinc Oxide 1314-13-2	No Data Available	No Data Available	IC50 (72h)0.21 mg/l	No Data Available	Not expected to bioaccumulate	No Data Available
Tralopyril 122454-29-9	.0013 mg/l (oncorhynchus mykiss) 96 hr	Daphnia Magna- Neonate 0.0015 mg/l (48.0 hr.)	ErC50 (Pseudokirchneri ella Subcapitata) (72h)0.012 mg/l	Not readily biodegradable.	Bioconcentration factor (BCF): 3.2 Remarks: No bioaccumulation is expected (log Pow <= 4).	No Data Available
Zinc pyriithione 13463-41-7	Pimephales promelas (fathead minnow) 0.0026 mg/l	Daphnia Magna- Neonate 0.0082 mg/l	EC50 (Selenastrum capricornutum (green algae)): 0.028 mg/l	Biodegradable	Does not 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

Material Disposal : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with local regulations. Do not dispose of into the environment, in drains or in watercourses. Waste product should not be allowed to contaminate soil or water.

Container Disposal : Drain container thoroughly. After draining, vent in a safe place away from sparks, fire and other ignition sources. Residues may cause an explosion hazard. Render containers unusable and offer for reclaiming or recycling.

SECTION 14: TRANSPORT INFORMATION

US DOT HAZARD CLASS:.....PAINT FLAMMABLE LIQUID

UN-number: 1263

Proper shipping name: Paint

Sea (IMDG):

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Class: 3
PG: III
MP: Yes
EmS: F-E, S-E
MFAG: 1

Inland waterways: to be handled locally

Air (ICAO/IATA©)

Class: 3
PG: III

Land (RID/ADR):

Class: 3
PG: III
Primary Risk label: 3

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

EPA REGISTRATION NO. 9339-20

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.

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

DOT Severe Marine Pollutants (1%)

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EPCRA 311/312 Chemicals and RQs (>.1%) :

Toluene, 1000lb
Benzene, ethyl- (1000 lb final RQ; 454 kg final RQ)
Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>.1%) :

(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>.1%) :

Toluene
Zinc Pyrythione
Benzene, ethyl-
Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :

Barium sulfate
Kaolin
Quartz, Fine fraction
Benzene, ethyl-
Xylenes (o-, m-, p- isomers)
Zinc oxide

Penn RTK Substances (>1%) :

Barium sulfate
Kaolin
Quartz, fine fraction
Tralopyril
Zinc Pyritione
Benzene, methyl-
Benzene, ethyl-
Xylenes (o-, m-, p-isomers) Zinc oxide

Penn Special Hazardous Substances (>.01%) :

(No Product Ingredients Listed)

RCRA Status:

(No Product Ingredients Listed)

N.J. RTK Substances (> 1%)

Toluene
Barium sulfate
Kaolin
Quartz, fine fraction
Tralopyril
Zinc pyrythione
Benzene, Methyl-
Benzene, ethyl-
Xylenes (o-, m-, p- isomers)
Zinc oxide

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N.J. Special Hazardous Substances (>.01%) :

Benzene, ethyl-
Xylenes (o-, m-, p- isomers)

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

Toluene
Benzene, ethyl-
Xylenes (o-, m-, p- isomers)



“WARNING:” This product can expose you to chemical(s) which is/are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.”

108-88-3	Toluene
71-43-2	Benzene
100-41-4	Ethylbenzene
98-82-2	Cumene
91-20-3	Naphthalene



“WARNING:” This product can expose you to chemical(s) which is/are known to the State of California to cause reproductive and developmental toxicity. For more information, go to www.P65Warnings.ca.gov.”

108-88-3	Toluene
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SECTION 16: OTHER INFORMATION

Use restrictions: As stated in section one of this document and on label.

MSDS distribution: The information in this document should be made available all who may handle the product.

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
- Bac = Butyl Acetate
- NA = Not Applicable

PREPARATION INFORMATION: HMIS Hazard Ratings Scale 0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Extreme
Check with supervisor for appropriate personal protection in accordance with rating.

VOC Content: 4.27 lb/gal. (514 gr/l)

Reviewed 04/2018;
Revised 10/03/2018 Sections 3, 8, 11, 12, 15 and 16.

DISCLAIMER:

The information contained herein 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, 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

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receiving this information to make their own determination as to the information's suitability and completeness for their particular application.

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