SAFETY DATA SHEET (SDS)

SDS Date: 05/29/2015 Rev. 3 Date: 5-6-2020

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: AQUAGARD 180 WASH & DEWAXER

PRODUCT CODES: 30000; 30100

USES: Surface Prep of Boat Hulls.
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 Label elements:

Pictograms:

Signal Word: **Danger**

Hazard Statements:

H326 Flammable liquid and vapor
H302 Harmful if swallowed
H313 May be Harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H350 May cause cancer
H373 May cause damage to organs (Liver, Blood) through prolonged or repeated exposure if swallowed.
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure if inhaled.

Precautionary Statements:

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.
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
Dibasic Ester CAS Number: 1119-40-0	40.0 – 50.0	Skin irritation (Category 2) Eye irritation (Category 2A Carcinogenicity (Category 2) Specific target organ toxicity - single exposure (Category 3), Respiratory system,Central nervous system Specific target organ toxicity - repeated exposure, Oral (Category 2), Liver, Blood Specific target organ toxicity- repeated exposure inhalation (Category 2), Central nervous system	1,2
Xylenes (mixed isomers) CAS Number: 0001330-20-7	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 repiratory irritation, H335 Asp. Tox. (1); May be fatal if swallowed and enters airways, H304	1,2
Methyl Isobutyl Ketone CAS No. 108-10-1	20.0 – 25.0	FLAMMBLE LIQUID – Category 2 ACUTE TOXICITY (inhalation) – category 4 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) – Category 3 (Resp. irritation) CARCINOGENITY – Category 2	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

General: If in doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.

Skin contact: Remove contaminated clothing. Wash affected area thoroughly with soap and water. If irritation persists, see a physician.

Eye contact: Flush immediately with large quantities of water. If persistent irritation occurs see a physician.

Ingestion: Do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next six hours, transport to nearest medical facility:

Advice to Physician: Potential for chemical Pneumonitis. Consider: gastric lavage with a protected airway, administration of activated charcoal. Call a doctor or poison control center for guidance. Causes central nervous system depression. Dermatitis nay result from prolonged or repeated exposure.

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES

CLEAR THE AREA OF ALL NON FIRE-FIGHTING PERSONAL

FLAMMABLE LIMITS IN AIR, UPPER:
(% BY VOLUME) UPPER 6 **LOWER:** .5

FLASH POINT:
F: 100
C: 37.8
METHOD USED: TAGLIABUE CLOSED CUP

AUTOIGNITION TEMPERATURE:
F: 446 - 540
C: 230 - 282

NFPA HAZARD CLASSIFICATION
HEALTH: 1 **FLAMMABILITY:** 2 **REACTIVITY:** 0
OTHER:

HMIS HAZARD CLASSIFICATION
HEALTH: 1 **FLAMMABILITY:** 2 **REACTIVITY:** 0
PROTECTION: D

EXTINGUISHING MEDIA: FOAM, WATER SPRAY OR FOG. DRY CHEMICAL POWDER MAY BE USED FOR SMALL FIRES ONLY. DO NOT DISCHARGE EXTINGUISHING WATERS INTO THE AQUATIC ENVIRONMENT.

UNSUITABLE EXTINGUISHING MEDIA: DO NOT USE WATER IN A JET

SPECIAL FIRE FIGHTING PROCEDURES: WEAR POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS. PERSONS NOT WEARING SUITABLE BREATHING PROTECTION SHOULD LEAVE THE AREA TO PREVENT SIGNIFICANT EXPOSURE TO TOXIC COMBUSTION GASSES.

UNUSUAL FIRE AND EXPLOSION HAZARDS: CARBON MONOXIDE MAY EVOLVE IF INCOMPLETE COMBUSTION OCCURS. WILL FLOAT AND CAN BE IGNITED ON SURFACE WATER. THE VAPOR IS HEAVIER THAN AIR AND SPREADS ALONG THE GROUND AND DISTANT IGNITION CAN OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: TOXIC GAS GENERATION (CO_2CO)

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal protection: Avoid contact with spilled or released material. Immediately remove all contaminated clothing. For guidance on selection of personal protective equipment se section 8 of this MSDS. Stop all leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area. Use appropriate containment (of product and fire fighting water) to avoid environmental contamination. Prevent spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using sprays. Take precautionary measures against static discharges. Ensure electrical continuity by bonding and grounding all equipment. Monitor area with combustible gas indicator.

Clean up methods For small liquid spills (< 50 US gal.), transfer by mechanical means to salvage container for safe disposal. Allow residues to evaporate or soak up with a non-flammable absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Additional advice: See chapter 13 for information on disposal. Do not emit to sewers, waterways or soil. Advise the environmental authorities if liquid product enters a waterways or sewer.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

General Precautions	Avoid breathing vapors or contact with material. Only use in well ventilated areas. Wash thoroughly after handling. On guidance for selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Handling Extinguish any open flames. Do not smoke. Remove ignition sources. Avoid Contact with skin, eyes and clothing. Electrostatic charges may be generated during pumping, Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding all equipment and containers during transfer. Storage Store away from sunlight, ignition sources and other sources of heat. Keep away from aerosols, flammables, oxidizing agents, corrosives and from other flammable materials that are not toxic or harmful to man. Product transfer Keep containers closed when not in use. Do not use compressed air for filling, discharging or handling. Recommended materials For containers or container linings use mild steel or stainless steel. Unsuitable materials Avoid prolonged contact with natural, butyl or nitrile rubbers.
Container advice	Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 7 NOTES:

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.

Material	Source	Type	ppm	mg/m3	notation
1,2,4-trimethyl benzene	ACGIH	TWA	25 ppm		
	OSHA Z1A	TWA	25 ppm	125 mg/n3	
1,3,5 trimethyl benzene	ACGIH	TWA	25 ppm		
	OSHA Z1A	TWA	25 ppm	125 mg/m3	
Cumene	ACGIH	TWA	50 ppm		
	OSHA Z1	PEL	50 ppm	245 mg/m3	
	OSHA Z1	SKIN_DES			Can be absorbed through the skin.
	OSHA Z1A	TWA	50ppm	245 mg/m3	
	OSHA Z1A	SKIN_FINAL			Can be absorbed through the skin.
1,2,3 Trimethyl benzene	ACGIH	TWA	25 ppm		
	OSHA Z1A	TWA	25 ppm	125 mg/m3	
Xylene, mixed isomers	ACGIH	TWA	100 ppm		
	OSHA	STEL	125 ppm		
	ACGIH	TLV	50 ppm		
Benzene	ACGIH	TWA	0.5 ppm		
	ACGIH	STEL	2.5 ppm		
	ACGIH	SKIN_DES			Can be absorbed through skin
	OSHA	TWA	1ppm		
	OSHA	STEL	5 ppm		
	OSHA	ACTION	0.5 ppm		
	OSHA Z 1 A	TWA	1 ppm		
	OSHA Z1A	STEL	5 ppm		
	OSHA	REF			
Methyl Isobutyl Ketone	OSHA	PEL	100 ppm	410 mg/m^3	
	ACGIH	TLV (8 hr)	20 ppm		
	ACGIH	STEL	75 ppm		

Additional Information The ACGIH-values are adopted by the local authorities and have to be adhered to. Wash hands before eating, drinking, smoking and using the toilet.

Exposure Controls The level of protection and types of controls necessary will vary depending on potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include:Adequate explosion proof ventilation to control airborne concentrations below the airborne concentrations/ limits. Eyewashes and showers for emergency use,

Personal Protective sonal protective equipment (PPE) should meet national safety Equipment standards. Check with PPE suppliers.

Respiratory protection Wear approved respiratory protection. Type of respirator depends on the airborne concentrations from other chemical substances in the work area.

Eye protection: Wear splash proof goggles.

Hand protection:	Wear chemical resistant gloves (Latex, Rubber). Gloves should be selected in consultation with the glove supplier, with information on effects from other chemical substances in the work place. Wash well after contact with this product.
Skin protection:	Wear protective clothing (apron, long sleeve shirt).
Environment:	Do not emit to sewers, waterways or soil. Advise the environmental authorities if substance has entered a watercourse or sewer.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear waterlike liquid

ODOR: TYPICAL Sweet ether like

PHYSICAL STATE: LIQUID

pH AS SUPPLIED: NA
pH (Other):
BOILING POINT:
F: ND
C:

FFLASH POINT:
F: Not Tested 57.2° F for Methyl Isobutyl Ketone portion
C:
MELTING POINT:
F: NA
C: NA
FREEZING POINT:
F: NA
C: NA
VAPOR PRESSURE AIR = ND

VAPOR DENSITY AIR = 1: ND

SPECIFIC GRAVITY (H2O = 1):
1.0432 @
68^0 F:
20^0 C:
EVAPORATION RATE: ND

BAc (=1): .1

SOLUBILITY IN WATER: NEGLIGBLE

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

	STABLE	UNSTABLE
STABILITY:	X	STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID (STABILITY): AVOID HEAT, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES.

INCOMPATIBILITY (MATERIAL TO AVOID): STRONG OXIDIZING AGENTS, (HYDROGEN PEROXIDE / PERMANGANATES / PERCHLORATES, DEPENDING ON THE AMOUNT. CONTACT CAN RESULT IN INTENSE HEAT / EXPLOSION.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: TOXIC GAS GENERATION (CO_2CO**)** ON BURNING.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 10 NOTES:

11. Toxicological information.

Routes of Entry: Inhalation--> x Skin--> x Ingestion--> x
ACUTE HEALTH EFFECTS:

Effects of overexposure:

Eye: Irritating, causing pain, inflammation and temporal eye damage;

Skin: Mildly irritating; May produce burning sensation and redness.

Inhalation: Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma. Irritation of respiratory tract. Causes formation of carbon monoxide in blood, which affects cardiovascular system and the central nervous system.

Ingestion: May cause Irritation of gastrointestinal tract. If vomiting results in aspiration, chemical pneumonia could follow. Absorption through gastrointestinal tract may produce liver damage and symptoms of central nervous system depression.

Chronic: Can cause headache, mental confusion, depression, fatigue, loss of appetite, nausea, vomiting cough, loss of sense of balance and visual; disturbances. Prolonged skin contact may cause dermatitis. Chronic inhalation or ingestion may cause liver damage.

Medical Conditions Aggravated by Exposure> Persons with angina or other cardiovascular diseases should not be exposed to this product.

Material	**:**	**Carcinogenicity Classification**
Xylene, Mixed Isomers	:	ACGIH Group A4: Not classified as a human carcinogen
Xylene, Mixed Isomers	:	IARC 3: Not classified as to carcinogenicity to humans
Methyl Isobutyl Ketone	:	IRAC: Probably carcinogenic to humans

SECTION 12: ECOLOGICAL INFORMATION

Ingredient	Toxicity to fish LC50	Toxicity to invertebrates EC50	Toxicity to algae EC50	Biodegradation	Bioaccumulation	Mobility in soil
Xylene (mixed Isomers) CAS# 1330-20-7	19000 µg/l Lepomis macrochis (96 hr.)	Daphnia Magna-Neonate 1682 mg/l (48.0 hr.)	1000 µg/l C96 hr.)	Rapidly degradable	Not expected to bioaccumulate.	Low potential for soil adsorption
Ethylbenzene CAS# 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
Methyl Isobutyl Ketone 108-10-1	>100 mg/l Dania rerio 96 hrs. static test	>100 mg/l Daphnia Magna Juvenile 48 hr. static test	No Data Available	Readily	None Expected	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 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

US DOT HAZARD CLASS:……PAINT RELATED MATERIAL FLAMMABLE LIQUID

UN-number: 1263

Proper shipping name: Paint Related material

Sea (IMDG):

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 laber: 3

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

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%)

(No Product Ingredients Listed) DOT

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

(5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diame)

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%) :

Benzene, ethyl-

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

Mass RTK Substances (>1%) :

Benzene, ethyl-

Xylene (o-, m-, p- isomers)

Penn RTK Substances (>1%) :

Benzene, ethyl-

Xylene (o-, m-, p- isomers)

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

RCRA Status:
(No Product Ingredients Listed)

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

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

Benzene, ethyl-

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

Proposition 65 - Carcinogens (>0%):

Benzene, ethyl-

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

SECTION 16: OTHER INFORMATION

Use restrictions: **As stated on label.**

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

ABREVIATIONS:
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.

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