

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: America's Best Varnish – Traditional SPAR Gloss Codes: ABV-SB_Q,

ABV-SB_G

Trade Name: America's Best Varnish - Traditional SPAR Gloss

EMERGENCY PHONE: 1-800-255-3924 (CHEMTEL)

CORPORATE ADDRESS:

Engineered Marine Coatings, Inc.

2134 Cainhoy Rd.

Huger, SC 29450 USA

www.quantumpaint.com

ask@quantumpaint.com

INFORMATION PHONE: [855-544-3648](tel:855-544-3648)

Product Use: Coatings

Not recommended for: No information available

2. HAZARD(S) IDENTIFICATION

GHS Ratings:

Flammable liquid	3	Flash point $\geq 23^{\circ}\text{C}$ and $\leq 60^{\circ}\text{C}$ (140°F)
Inhalation Toxicity	Acute Tox. 4	Gases >2500 and ≤ 5000 ppm, Vapors >10 and ≤ 20 mg/l, Dusts & mists >1 and ≤ 5 mg/l
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: ≥ 1.5 < 2.3
Skin sensitizer	1	Skin sensitizer
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity? 20.5 mm ² /s at 40° C.

GHS Hazards

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H316	Causes mild skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H350	May cause cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools

P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P271	Use only outdoors or in a well-ventilated area
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P321	Specific treatment (see precautionary statements on this label)
P331	Do NOT induce vomiting
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P370+P378	In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P405	Store locked up
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to an approved waste disposal plant.

Signal Word: Danger



3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Aliphatic Hydrocarbons (Stoddard Type)	8052-41-3	30.00% - 40.00%
Solvent Naphtha Light Aromatic	64742-95-6	1.00% - 5.00%
Trimethylbenzene 1,2,4-	95-63-6	1.00% - 5.00%

4. FIRST AID MEASURES

INHALATION:

Move to an area free from risk of further exposure. Administer oxygen or artificial respiration as needed. Obtain medical attention. Asthmatic-type systems may develop and may be immediate or delayed up to several hours. Treatment is essentially symptomatic. Consult a physician.

EYES:

Flush with clean, lukewarm water (low pressure) for at least 15 minutes, while lifting eyelids. Refer individual to physician or ophthalmologist for immediate follow-up.

SKIN:

First aid for skin: Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. For severe exposures, get under safety shower

after removing clothing, then get medical attention. Seek medical attention if irritation develops or persists.

INGESTION:

DO NOT INDUCE VOMITING. Give 1 to 2 cups of mil or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. Consult physician immediately.

5. FIRE-FIGHTING MEASURES

Flash Point: 41 C (106 F)

LEL: 1.00

UEL: 8.00

EXTINGUISHING MEDIA: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate "fuel" supply from fire. Use foam, dry chemical, carbon dioxide, or water spray as last option. Avoid spraying water directly into storage containers due to the danger of boil over.

HAZARDOUS COMBUSTION PRODUCTS: Fires involving this product may release fumes, smoke, carbon dioxide, carbon monoxide, and irritating vapors.

FIRE FIGHTING INSTRUCTIONS: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting fire. Vapors may cause a flash fire or ignite explosively. Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL:

Eliminate all ignition sources. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

LARGE SPILL:

Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment. Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to a safe area and seal. Waste material must be disposed of in accordance with federal, state, and local environmental regulatory controls.

7. HANDLING AND STORAGE

HANDLING: Ground lines and equipment during transfer to reduce the possibility of static spark-initiated fire or explosion. Use non-sparking tools. Do not cut, grind, drill, weld, or reuse containers unless adequate precautions are taken against these hazards. Do not eat, drink, or smoke in areas of use or storage.

STORAGE: Protect against physical damage. Store in a cool dry place. Outside or detached storage preferred. Inside storage should be in a standard flammable liquid storage room or cabinet. All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparking tools. Do not reuse empty product container for any purpose.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
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Aliphatic Hydrocarbons (Stoddard Type) 8052-41-3	PEL 500.00 ppm - TWA VPEL 100.00 ppm - TWA	TLV 100.00 ppm - TWA	NIOSH recommends a TWA 350 mg/m ³ and a ceiling of 1,800 mg/m ³ not to be exceeded during any 15 minute work period.
Solvent Naphtha Light Aromatic 64742-95-6	Substance is not listed.	Substance is not listed.	Not Established
Trimethylbenzene 1,2,4- 95-63-6	There is no OSHA PEL.	NIOSH, HSE, and ACGIH have adopted or recommend a TWA values (for trimethyl benzenes as a class) of 25 ppm (125 mg/m ³) and the HSE STEL value is 35 ppm (170 mg/m ³).	Several states have set guidelines or standard for Trimethyl benzenes in ambient air ranging from 1.25 – 1.70 mg/m ³ (North Dakota) to 2.1 mg/m ³ (Virginia) to 2.5 mg/m ³ (Connecticut) to 2.976 mg/m ³ (Nevada).

Good general ventilation (typically 10 air changes per hour) should be used to keep vapor levels below the limits in Section 2 and lower explosive limit in Section 5. Ventilation rates should be matched to conditions. Use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Provide readily accessible eye wash stations and safety showers. Wash at the end of each work shift and before eating, smoking, or using the toilet. Promptly remove clothing that becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

<p>Appearance: Clear Liquid</p> <p>Vapor Pressure: 3.0 hPa at 20 °C</p> <p>Vapor Density: 7.1</p> <p>Specific Gravity: 0.91</p> <p>Freezing point: No Data</p> <p>Boiling range: No Data</p> <p>Evaporation rate: No Data</p> <p>Partition coefficient (n- octanol/water): No Data</p> <p>Decomposition temperature: No Data</p> <p>Material VOC (g/L) 393.54</p>	<p>Odor: Solvent</p> <p>Odor threshold: No Data</p> <p>pH: N/A</p> <p>Melting point: No Data</p> <p>Solubility: No Data</p> <p>Flash point: 106°F, 41°C</p> <p>Explosive Limits: 1% - 8%</p> <p>Autoignition temperature: No Data</p> <p>Viscosity 65 - 75 KU</p> <p>Coating VOC (g/L) 393.54</p>
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10. REACTIVITY AND STABILITY

STABLE

Incompatibility:

Strong oxidizing agents

Hazardous Decomposition:

May form: carbon dioxide and carbon monoxide
Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Primary Routes of Entry Skin Contact, Ingestion, Inhalation, Eye contact

Acute toxicity

Stoddard Solvent

Oral LD50 > 15000 mg/kg (rat)

Dermal LD50 > 3160 mg/kg (rabbit)

Information on toxicological effects

Symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eyes Mild eye irritant.

Skin Mild skin irritant. Repeated exposure may cause skin dryness or cracking.

Inhalation Inhalation of vapors in high concentration may cause irritation of respiratory system.

Inhalation of high vapor concentrations can cause CNS-depression and narcosis.

Ingestion Ingestion (swallowing) may irritate the mouth, throat and stomach. Aspiration into lungs may cause chemical pneumonia and lung damage. Ingestion is not an anticipated route of exposure for this material in industrial use.

Sensitization No information available.

Mutagenic effects No information available.

Carcinogenicity .

Reproductive Toxicity No information available.

Neurological Effects No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target organ(s) Central nervous system (CNS), Liver, Kidney, Eyes, Lungs.

Aspiration Hazard No information available.

Numerical measures of toxicity - Product Information

Unknown acute toxicity 59.9 % of the mixture consists of ingredient(s) of unknown toxicity.

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

ATEmix (oral) 5004 mg/kg

ATEmix (dermal) 3163 mg/kg

12. ECOLOGICAL INFORMATION

Ecotoxicity

Unknown aquatic toxicity

60.0 % of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste material must be disposed of in accordance with all federal, state, and local environmental regulatory controls. Chemical additions, processing, or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate.

14. TRANSPORT

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	PAINT RELATED MATERIAL This material has a flash point at or above 38C and may be re-classified as a combustible liquid. A combustible liquid in a non-bulk package (<119 gallons) is exempt from the Hazardous Materials Regulations unless shipped by vessel or aircraft. Reference 49 CFR 173.150(f)	UN1263	III	3

15. REGULATORY INFORMATION

International Inventories

TSCA Inventory Status:	All components of this material are listed on the US Toxic Substances Control Act (TSCA) inventory.
Canadian Inventory Status:	All components of this material are listed on the Canadian Domestic Substances List (DSL)
Australian Inventory Status:	This product contains only chemicals which are currently listed on the Australian Inventory of Chemical Substances
Korean Inventory Status:	This product contains only chemicals which are currently listed on the Korean Chemical Substances List
Philippine Inventory:	This product contains only chemicals that are currently listed on the Philippine Inventory of Chemicals and Chemical Substances
Japan ENCS:	This product contains one or more chemicals currently not on the Japanese Inventory of Existing and New Chemical Substances
Chinese IECS:	This product contains only chemicals that are currently listed on the Chinese Inventory of Existing Chemical Substances
New Zealand Inventory:	This product contains only chemicals which are currently listed on the New Zealand Inventory of Chemicals

US Federal Regulations**TSCA 12(b) - Export Notification:**

This material does not contain any components that are subject to the US Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements.

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard No
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden Release of Pressure Hazard No
Reactive Hazard No

Clean Water Act

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

CERCLA

This product does not contain components that have been assigned reportable quantities.

State Regulations

California Proposition 65

This does not contain components that would require acknowledgement under California Proposition 65.

Canada

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. OTHER INFORMATION

HMIS & NFPA Hazard Rating Legend

* = Chronic Health Hazard 0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

Hazardous Material Information System (HMIS)

Health: 1
Flammability: 2
Physical Hazard: 0
Personal Protection: X



National Fire Protection Association (NFPA)

Health: 1
Flammability: 2
Instability: 0

The information set forth above is based on information which Engineered Marine Coatings, Inc. believes to be accurate. No warranty, expressed or implied, is intended. The information is provided solely for your information and consideration and EMC assumes no legal responsibility for its use or reliance thereon. Reviewer Revision

Date revised: 5/17/2023
Date Prepared: 5/17/2023

America's Best