

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: TotalBoat Halcyon Marine Gloss Water-Based Varnish Product Code: TB-3021 (Halcyon), TB-7712 (Halcyon Clear)

MANUFACTURER:
TOTALBOAT LLC

EMERGENCY PHONE: 1-800-535-5053 (INFOTRAC)

MANUFACTURER ADDRESS:
17 Peckham Drive
Bristol, RI 02809

INFORMATION PHONE: 1-800-497-0010

Product Use: Coatings
Not recommended for: No Information Available

2. HAZARD(S) IDENTIFICATION

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: \geq 2.3 < 4.0 or persistent inflammation
Eye corrosive	2	Eye Irritation: Reversible adverse effects on cornea, iris, conjunctiva, Draize score: Corneal opacity \geq 1, Iritis > 1, Redness \geq 2, Chemosis \geq 2
Reproductive toxin	1B	Presumed, Based on experimental animals

GHS Hazards

H315	Causes skin irritation
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
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P321	Specific treatment (see precautionary statements on this label)
P362	Take off contaminated clothing and wash before reuse
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up
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 %
1-Methyl-2-Pyrrolidinone	872-50-4	1.00% - 5.00%

4. FIRST AID MEASURES

INHALATION:

Move victim to fresh air. Keep warm and quiet. If not breathing, give artificial respiration. If breathing is difficult, give oxygen trained personnel. GET IMMEDIATE MEDICAL ATTENTION.

EYES:

Move individual away from exposure. Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN:

Wash off immediately with soap and plenty of water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.

INGESTION:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention/advice. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO₂), Foam, Dry chemical, Water spray

Combustion/Explosion Hazards:

This material will not burn unless it is evaporated to dryness. Closed containers may rupture when exposed to extreme heat.

Hazardous Combustion Products:

Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. Thoroughly decontaminate all protective equipment after use. Evacuate all persons from the fire area to a safe location. Move non-burning material, as feasible, to a safe location as soon as possible. Fire fighters should be protected from all potential explosion hazards while extinguishing the blaze. Use water spray to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment as required. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or

sanitary sewer system. Vapors can accumulate in low areas.

Methods for Containment:

Prevent spilled material from 1) contaminating soil, 2) entering sanitary sewers, storm sewers, and drainage systems, and 3) entering bodies of water or ditches that lead to waterways. Prevent spreading over a wide area (e.g. by containment or oil barriers).

Methods for Clean-up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

HANDLING:

Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product. Ensure adequate ventilation.

STORAGE:

Keep from freezing. Keep container tightly closed. Keep in a dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
1-Methyl-2-Pyrrolidinone 872-50-4	OSHA PEL Not Available	ACGIH TLV Not Available	TWA 10.000000 ppm USA. Workplace Environmental Exposure Levels (WEEL)

Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local ventilation may be required during certain operations.

Eye/face Protection:

Tight sealing safety goggles. Ensure that eyewash stations and safety showers are close to the workstation location.

Skin Protection:

Gloves made of nitrile rubber. Gloves made of butyl rubber. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Chemical resistant apron. Boots.

Respiratory Protection:

None required if hazards have been assessed and airborne concentrations are maintained below the exposure limits listed in Section 8. Wear an approved air-purifying respirator with organic vapor/amine cartridges where airborne concentrations may exceed exposure limits in Section 8. Use an approved positive-pressure air-supplied respirator with emergency escape provisions if there is any potential for an uncontrolled release, airborne concentrations are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

General Hygiene Considerations:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

Appearance: Milky White	Odor: Mild Amine
Odor threshold: Not Available	pH: 7.5-9.0
Flash point: Not applicable.	Autoignition temperature: No information available.
Boiling range: 212F - 396F / 100C - 202C	Melting point: No information available.
Freezing point: No information available.	Flammability Limit in Air: No information available.
Specific Gravity: 1.02	Solubility: Dispersible in Water

<p>Evaporation rate: <1 (BuAc = 1)</p> <p>Vapor Density: > 1 (Air = 1)</p> <p>Oxidizing Properties: No information available.</p> <p>Material VOC (g/L) 52.06</p> <p>Viscosity 65 - 75 KU</p> <p>Decomposition temperature: No information available.</p>	<p>Vapor Pressure: No information available.</p> <p>Explosive Properties: No information available.</p> <p>% Volume Solids 23.13</p> <p>Coating VOC (g/L) 185.38</p> <p>Partition coefficient (n- octanol/water): No information available.</p>
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10. REACTIVITY AND STABILITY

STABLE

Incompatibility:

Hazardous Decomposition:

Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Mixture Toxicity
Component Toxicity

ROUTES OF ENTRY:

Exposure to this material may affect the following organs:

Effects of Overexposure

The following ingredients are listed as possible carcinogens:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
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12. ECOLOGICAL INFORMATION

This section will be updated as ecological reviews are complete.

Component Ecotoxicity

1-Methyl-2-Pyrrolidinone

Toxicity
 Toxicity to fish LC50 - other fish - 4,000 mg/l - 96 h
 LC50 - Leuciscus idus (Golden orfe) - > 500 mg/l - 96 h
 Toxicity to daphnia and other aquatic invertebrates
 EC50 - Daphnia magna (Water flea) - > 1,000 mg/l - 24 h
 Toxicity to bacteria LC50 - Bacteria - > 9,000 mg/l
 Persistence and degradability
 Biodegradability Result: 90 % - Readily biodegradable
 Bioaccumulative potential
 No data available
 Mobility in soil
 No data available
 Results of PBT and vPvB assessment
 PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
 Other adverse effects
 No data available

13. DISPOSAL CONSIDERATIONS

NOT A RCRA HAZARDOUS WASTE:

When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

14. TRANSPORT

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	NOT REGULATED			
IATA	NOT REGULATED			
IMDG/IMO	NOT REGULATED			
MEX	NOT REGULATED			
TDG	NOT REGULATED			

15. REGULATORY INFORMATION

The regulatory information provided is not meant to be comprehensive. Other federal, state, and local regulation applies to this material.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

Safety Phrase

- None

16. OTHER INFORMATION

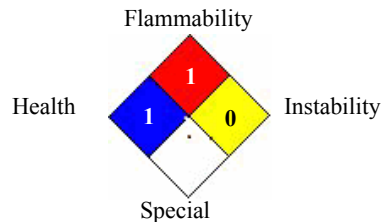
Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	E

HMIS & NFPA Hazard Rating Legend

- * = Chronic Health Hazard
- 0 = INSIGNIFICANT
- 1 = SLIGHT
- 2 = MODERATE
- 3 = HIGH



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Reviewer Revision



TOTALBOAT

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