Printing date 07/09/2015 Reviewed on 07/09/2015

1 Identification

Product identifier

Trade name: Original Marine Finish High Gloss

Article number: TB 3940

Recommended use and restriction on use

· Recommended use: Coating compound/ Surface coating/ paint

• Restrictions on use: No further relevant information available.

Details of the supplier of the Safety Data Sheet

Manufacturer/Supplier:
 Waterlox Coatings Corporation
 9808 Meech Avenue
 CLEVELAND, OH 44105

(216) 641-4877

Emergency telephone number:

ChemTel Inc.

(800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

Classification of the substance or mixture



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS08 Health hazard

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Carc. 2 H351 Suspected of causing cancer.

Repr. 2 H361 Suspected of damaging fertility or the unborn child.

STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated

exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.



GHS05 Corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Additional information:

There are no other hazards not otherwise classified that have been identified.

0 percent of the mixture consists of ingredient(s) of unknown toxicity.

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- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms







GHS02 GHS05 GHS08

· Signal word Danger

· Hazard-determining components of labeling:

Stoddard solvent phthalic anhydride

Pine Oil

Naphthenic acids, cobalt salts

Hazard statements

H226 Flammable liquid and vapor.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child.

H372 Causes damage to the central nervous system through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

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, and hot surfaces. - No smoking.

P260 Do not breathe mist/vapors/spray.

P284 In case of inadequate ventilation wear respiratory protection.

P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection.

P233 Keep container tightly closed.

P270 Do not eat, drink or smoke when using this product.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse

skin with water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P370+P378 In case of fire: Use foam, powder, or carbon dioxide for extinction. P342+P311 If experiencing respiratory symptoms: Call a poison center/doctor.

P363 Wash contaminated clothing before reuse.

P304+P341 If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for

breathing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P331 Do NOT induce vomiting.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

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(Contd. of page 2)

Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200)

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Trade name: Original Marine Finish

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2Fire = 2 Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = *2 ☐ Fire = 2

Warning: Contains lead salt(s). Long-term health hazard.

- * Indicates a long term health hazard from repeated or prolonged exposures.
- Other hazards
- Results of PBT and vPvB assessment
- **PBT:** Not applicable. vPvB: Not applicable.

3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions

Dangerous	components:	
8052-41-3	Stoddard solvent Flam. Liq. 3, H226 STOT RE 1, H372; Asp. Tox. 1, H304	25-50%
85-44-9	phthalic anhydride Resp. Sens. 1, H334 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	2.5-10%
1330-20-7	xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	2.5-10%
56-81-5	glycerol	≤ 2.5%
8002-09-3	Pine Oil Asp. Tox. 1, H304 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317 Flam. Liq. 4, H227	≤ 2.5%
98-54-4	4-tert-butylphenol Repr. 2, H361 Eye Dam. 1, H318 Skin Irrit. 2, H315	≤ 2.5%
61789-51-3	Naphthenic acids, cobalt salts Carc. 2, H351; Repr. 2, H361 Skin Sens. 1, H317	≤ 2.5%

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Additional information:

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

- Description of first aid measures
- General information:

Immediately remove any clothing soiled by the product.

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air and to be sure to call for a doctor.

Provide oxygen treatment if affected person has difficulty breathing.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately remove any clothing soiled by the product.

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

Protect unharmed eye.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

A person vomiting while lying on their back should be turned onto their side.

Do not induce vomiting; immediately call for medical help.

Information for doctor:

· Most important symptoms and effects, both acute and delayed

Asthma attacks

Headache

Coughing

Dizziness

Breathing difficulty

Allergic reactions

Nausea

Irritant to skin and mucous membranes.

Strong irritant with the danger of severe eye injury.

Disorientation

Danger

May cause respiratory irritation.

Danger of impaired breathing.

Danger of convulsion.

Danger of disturbed cardiac rhythm.

Vapours may cause drowsiness and dizziness.

Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.

Severe allergic skin reaction, bronchial spasms and anaphylactic shock are possible.

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Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

Later observation for pneumonia and pulmonary edema.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

Contains phthalic anhydride. May produce an allergic reaction.

In cases of irritation to the lungs, initial treatment with cortical steroid inhalants.

5 Fire-fighting measures

- Extinguishing media
- Suitable extinguishing agents:

Foam

Fire-extinguishing powder

Gaseous extinguishing agents

Carbon dioxide

Water fog / haze

For safety reasons unsuitable extinguishing agents:

Water spray

Water stream.

Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters
- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

· Additional information

Eliminate all ignition sources if safe to do so.

Cool endangered receptacles with water fog.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use respiratory protective device against the effects of fumes/dust/aerosol.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

Protect from heat.

Particular danger of slipping on leaked/spilled product.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers).

Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Allow to solidify. Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

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Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

- Handling:
- Precautions for safe handling

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Flammable gas-air mixtures may be formed in empty receptacles.

- · Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles:

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from oxidizers, strong acids, strong bases.

Further information about storage conditions:

Store in cool, dry conditions in well sealed receptacles.

Keep containers tightly sealed.

8052-41-3 Stoddard solvent

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
- **Control parameters**

PEL (USA) REL (USA) Long-term value: 2900 mg/m³, 500 ppm Long-term value: 350 mg/m³ Ceiling limit value: 1800* mg/m³ *15-min TLV (USA) Long-term value: 525 mg/m³, 100 ppm

EL (Canada) Short-term value: 580 mg/m³

Long-term value: 290 mg/m³ EV (Canada) Long-term value: 525 mg/m³

LMPE (Mexico) Long-term value: 100 ppm

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		ontd. of page 6
1330-20-7 xyler	10	
PEL (USA)	Long-term value: 435 mg/m³, 100 ppm	
REL (USA)	Short-term value: 655 mg/m³, 150 ppm	
	Long-term value: 435 mg/m³, 100 ppm	
TLV (USA)	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI	
EL (Canada)	Short-term value: 150 ppm Long-term value: 100 ppm	
EV (Canada)	Short-term value: 650 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm	
LMPE (Mexico)	Short-term value: 150 ppm Long-term value: 100 ppm A4, IBE	
56-81-5 glycero) <mark>l</mark>	
PEL (USA)	Long-term value: 15* 5** mg/m³ mist; *total dust **respirable fraction	
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.	
EL (Canada)	Long-term value: 10* 3** mg/m³ *mist; **mist, respirable	
EV (Canada)	Long-term value: 10 mg/m ³	
LMPE (Mexico)	Long-term value: 10 mg/m ³	
22464-99-9 2-et	hylhexanoic acid, zirconium salt	
PEL (USA)	Long-term value: 5 mg/m³ as Zr	
REL (USA)	Long-term value: 5 mg/m³ as Zr	
TLV (USA)	Short-term value: 10 mg/m³ Long-term value: 5 mg/m³ As Zr	
EL (Canada)	Short-term value: 10 mg/m³ Long-term value: 5 mg/m³ As Zr	
	th biological limit values:	
1330-20-7 xyler		
Tim Para	g/g creatinine lium: urine e: end of shift ameter: Methylhippuric acids rmation: The lists that were valid during the creation were used as basis.	

- Additional information: The lists that were valid during the creation were used as basis.
- · Exposure controls
- Personal protective equipment:
- · General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

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(Contd. of page 7)

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or ingestion.

Do not inhale gases / fumes / aerosols.

- Engineering controls: No further relevant information available.
- Breathing equipment:



Combined Organic Vapor and Particulate Respirator is recommended for use during all processing activities.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Eye protection:

Contact lenses should not be worn.



Safety glasses

- Body protection: Solvent resistant protective clothing
- · Limitation and supervision of exposure into the environment

No further relevant information available.

Risk management measures

See Section 7 for additional information. No further relevant information available.

9 Physical and chemical properties

- Information on basic physical and chemical properties
- **General Information**

Appearance:

Form: Liquid

Color:
Odor:
Odor threshold:

Petroleum-like
Not determined.

PH-value:
Not determined.

Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 140 - 199 °C (284 - 390 °F)

Flash point: 35 °C (95 °F)
 Flammability (solid, gaseous): Not applicable.

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Auto-ignition temperature: Not determined.Decomposition temperature: Not determined.

· **Auto igniting:** Product is not self-igniting.

Danger of explosion: Product is not explosive. However, formation of explosive air/

vapor mixtures are possible.

Explosion limits:

Lower: 0.8 Vol % T.0 Vol % 7.0 Vol %

· Vapor pressure: Not determined.

Density at 20 °C (68 °F): 0.89 g/cm³ (7.427 lbs/gal)

Relative densityVapour densityEvaporation rateNot determined.Not determined.Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

Viscosity:

Dynamic: Not determined. **Kinematic:** Not determined.

· Other information No further relevant information available.

10 Stability and reactivity

- · Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided:

Avoid open flame, ignition sources, contact with incompatibile substances.

· Possibility of hazardous reactions

Flammable.

Reacts with strong acids and oxidizing agents.

Reacts with strong alkali.

Used empty containers may contain product gases which form explosive mixtures with air.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

Toxic fumes may be released if heated above the decomposition point.

Conditions to avoid

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

- · Incompatible materials: No further relevant information available.
- Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Hydrocarbons

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Toxic metal compounds

(Contd. of page 9)

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification: None.
- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitization: May cause sensitisation by inhalation and skin contact.
- · Subacute to chronic toxicity: May be fatal if swallowed and enters airways.
- · Additional toxicological information:
- · Carcinogenic categories
- NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Probable Routes of Exposure

Ingestion.

Inhalation.

Eve contact.

Skin contact.

· Acute effects (acute toxicity, irritation and corrosivity):

May cause sensitisation by inhalation and skin contact.

- · Repeated Dose Toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction):

Carc. 2, Repr. 2

- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Suspected of causing cancer.
- · Reproductive toxicity Suspected of damaging fertility or the unborn child.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure

Causes damage to the central nervous system through prolonged or repeated exposure.

· Aspiration hazard May be fatal if swallowed and enters airways.

12 Ecological information

- Toxicity
- · Aquatic toxicity: The product contains materials that are harmful to the environment.
- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.

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(Contd. of page 10)

- **Ecotoxical effects:**
- · Remark: Harmful to fish
- Additional ecological information:
- General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Harmful to aquatic organisms

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

• Other adverse effects No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:

Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- · DOT, ADR, IMDG, IATA UN1263
- UN proper shipping name



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

· **DOT, IATA** Paint related material

• ADR 1263 PAINT RELATED MATERIAL PAINT RELATED MATERIAL

Transport hazard class(es)

· DOT



• Class 3 Flammable liquids

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Safety Data Sheet acc. to OSHA HCS (29 CFR 1910.1200)

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Trade name: Original Marine Finish

· Label 3

· ADR

· Class 3 (F1) Flammable liquids

· Label

· IMDG, IATA



· Class 3 Flammable liquids

· Label

· Packing group

· DOT, ADR, IMDG, IATA Ш

· Environmental hazards:

· Marine pollutant: No

· Special precautions for user Warning: Flammable liquids

· Danger code (Kemler): 30 · EMS Number: F-E,S-E

· Transport in bulk according to Annex II of

MARPOL73/78 and the IBC Code Not applicable.

· Transport/Additional information:

· ADR

· Excepted quantities (EQ) Code: E1

> Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· IMDG

· Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation": UN1263, Paint related material, 3, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- United States (USA)
- SARA
- · Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

85-44-9 phthalic anhydride

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Trade name: Original Marine Finish

1000 00 =		(Contd. of page 12)				
1330-20-7						
61789-51-3	Naphthenic acids, cobalt salts					
•	· TSCA (Toxic Substances Control Act):					
All ingredient	s are listed.					
· Carcinogenic categories						
•	nmental Protection Agency)					
1330-20-7 x	ylene	I				
71-36-3 b	utan-1-ol	D				
IARC (Intern	ational Agency for Research on Cancer)					
1330-20-7	xylene	3				
61789-51-3	Naphthenic acids, cobalt salts	2B				
	old Limit Value established by ACGIH)					
	nthalic anhydride	A4				
1330-20-7 x	ylene	A4				
	lational Institute for Occupational Safety and Health)					
None of the in	ngredients is listed.					
	o Know Listings					
None of the ingredients is listed.						
	· Canadian substance listings:					
· Canadian Domestic Substances List (DSL)						
All ingredient	s are listed.					
· Canadian Ingredient Disclosure list (limit 0.1%)						
85-44-9 phth	alic anhydride					
	gredient Disclosure list (limit 1%)					
8052-41-3 S	toddard solvent					

· Other regulations, limitations and prohibitive regulations

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

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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Trade name: Original Marine Finish

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Date of preparation / last revision 07/09/2015 / -

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Resp. Sens. 1: Sensitisation - Respirat., Hazard Category 1

Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Carc. 2: Carcinogenicity, Hazard Category 2

Repr. 2: Reproductive toxicity, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Sources

SDS Prepared by:

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