Safety Data Sheet
acc. to OSHA HCS

Printing date 04/21/2017 *Reviewed on 04/21/2017*

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1 Identification

· **Product identifier**

· **Trade name: Marine Yacht Varnish**
· **Recommended Use:** Coating
· **Restrictions on Use:** Before use of this product, always read the label and SDS carefully.
· **Importer/Supplier:**
Fine Paints of Europe Inc.
274 West Woodstock Road
Woodstock, VT 05091
USA
info@finepaints.com
· **Emergency telephone number:**
Phone: 800.332.15556 (Monday-Friday 8:00 a.m. - 5:30 pm EDT, Saturday 9 a.m. – 4 p.m. EDT)

2 Hazard(s) identification

· **Classification of the substance or mixture**


GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.


GHS08 Health hazard

Carc. 2 H351 Suspected of causing cancer.


GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.

· **Label elements**
· **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
· **Hazard pictograms**


GHS02 GHS07 GHS08

· **Signal word** Warning

· **Hazard-determining components of labeling:**
2-Butanone oxime
Naphtha (petroleum), hydrotreated heavy

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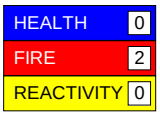
Xylene

· **Hazard statements**
Flammable liquid and vapor.
May cause an allergic skin reaction.
Suspected of causing cancer.
May cause drowsiness or dizziness.
· **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves / eye protection.
Use only outdoors or in a well-ventilated area.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **Classification system:**
· **NFPA ratings (scale 0 - 4)**

Health = 0
Fire = 2
Reactivity = 0

· **HMIS-ratings (scale 0 - 4)**



Health = 0
Fire = 2
Reactivity = 0

· **Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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3 Composition/information on ingredients

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

· **Hazardous ingredients:**		
64742-48-9	Naphtha (petroleum), hydrotreated heavy	25-50%
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	25-50%
1330-20-7	Xylene	2.5-<10%
41556-26-7	decanedioicacid, bis(1,2,2,6,6-pentamethyl-4-piperidyl) ester	0.25-<1%
96-29-7	2-Butanone oxime	0.1-<1%
68409-81-4	Cobalt fatty acids C6-19	0.1-<1%
82919-37-7	Decanedioicacid, methyl 1,2,2,6,6-pentamethyl-4-piperidinyles	0.25-<1%

4 First-aid measures

· **Description of first aid measures**
· **General information:**
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Immediately rinse with water.
· **After eye contact:** Rinse opened eye for several minutes under running water.
· **After swallowing:** If symptoms persist consult doctor.
· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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· **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**
· **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **Special hazards arising from the substance or mixture**
In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Carbon monoxide (CO)
· **Advice for firefighters**
· **Protective equipment:** Wear fully protective suit.
· **Additional information**
Collect contaminated fire fighting water separately. It must not enter the sewage system.
Cool endangered receptacles with water spray.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Product forms slippery surface when combined with water.
Use respiratory protective device against the effects of fumes/dust/aerosol.
· **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
· **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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Use only in well ventilated areas.
· **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

· **Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:** Store in a cool location.
· **Information about storage in one common storage facility:**
Do not store together with oxidizing and acidic materials.
· **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in dry conditions.

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8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**	
1330-20-7 Xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI

· **Ingredients with biological limit values:**	
1330-20-7 Xylene	
BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

· **Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
· **Breathing equipment:**
If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.
Please use standard ANSI Z88.2-1992 and 29 CFR 1910.134(Respiratory Protection) for help on establishing, implementing, and administering an effective respiratory protection program.
· **Protection of hands:**
Use of nitrile rubber (NBR) gloves or equivalent is recommended. Protective gloves should be inspected before each use to ensure that they are not torn, punctured, or made ineffective in any way. A visual inspection will help detect cuts or tears. Any gloves with impaired protective ability should be discarded and replaced.
· **Selection and penetration time of glove material:**
The selection of suitable gloves does not only depend on the material, and their quality varies from manufacturer to manufacturer. As this product is a mixture of several substances, the resistance of the glove material should be checked prior to use. Consult with the manufacturer of the selected gloves on break through time and do not use the selected gloves beyond the break through time.
· **Eye protection:** Use of protective eyewear is recommended.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Color:	Transparent
· **Odor:**	Characteristic paint odor
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	91 °C (196 °F)

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· **Flash point:**	38 °C (100 °F)
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	240 °C (464 °F)
· **Decomposition temperature:**	Not determined.
· **Auto igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· **Explosion limits:**	
Lower:	0.6 Vol %
Upper:	7.0 Vol %
· **Vapor pressure at 20 °C (68 °F):**	1 hPa (1 mm Hg)
· **Density at 20 °C (68 °F):**	0.92 g/cm³ (7.677 lbs/gal)
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	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 at 20 °C (68 °F):	208 s (ISO 4 mm)
· **Other information**	No further relevant information available.

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10 Stability and reactivity

· **Reactivity** Not reactive
· **Chemical stability** Stable at room temperature
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **Possibility of hazardous reactions** No dangerous reactions known.
· **Conditions to avoid** No further relevant information available.
· **Incompatible materials:** No further relevant information available.
· **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information

· **Information on toxicological effects**
· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**		
64742-48-9 Naphtha (petroleum), hydrotreated heavy		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)
1330-20-7 Xylene		
Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
96-29-7 2-Butanone oxime		
Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)

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Inhalative	LC50/(4h)	20 mg/l (rat)

· **Primary irritant effect:**
· **on the skin:** Irritant to skin and mucous membranes.
· **on the eye:** Irritating effect.
· **Sensitization:** Sensitization possible through skin contact.
· **Additional toxicological information:**

· **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
68409-81-4	Cobalt fatty acids C6-19	2B

· **NTP (National Toxicology Program)**
None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

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12 Ecological information
No information available.

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13 Disposal considerations
Dispose of in accordance with local, state, and national regulations.

14 Transport information

· **UN-Number**
· **DOT, IMDG, IATA** UN1263

· **UN proper shipping name**
· **DOT** Paint
· **IMDG, IATA** PAINT

· **Transport hazard class(es)**

· **DOT**

· **Class** 3 Flammable liquids
· **Label** 3

· **IMDG, IATA**

· **Class** 3 Flammable liquids
· **Label** 3

· **Packing group**
· **DOT, IMDG, IATA** III

· **Environmental hazards:**
· **Marine pollutant:** No

· **Special precautions for user** Warning: Flammable liquids

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· **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:**	
· **DOT**	
· **Quantity limitations**	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

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15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Sara**

· **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**
Some ingredients are listed, consult supplier.

· **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

· **Proposition 65**

· **Chemicals known to cause cancer:**
None of the ingredients is listed.

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16 Other information

This information describes exclusively the safety requirements of the mentioned product and is based on our present knowledge. The information is intended to give you advice about safe handling during i.e. storage, processing, transport and disposal. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Exclusive U.S. Importer: Fine Paints of Europe, Inc. Woodstock, VT.
Manufactured by Wijzonol Bouwverven International B.V. in Zwolle, Netherlands.

· **Date of preparation / last revision**
(month/day/year)
07/07/2015 / -

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

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Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
Carc. 2: Carcinogenicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
· **Sources** *Safety Data Sheets of the raw materials*
· **** Data compared to the previous version altered.***