



Safety Data Sheet

acc. to OSHA HCS

Printing date 08/05/2025

Reviewed on 04/06/2023

1 Identification

Product identifier**Trade name:** Marine Yacht Varnish**Application of the substance / the mixture** Clear coating material, Varnish**Details of the supplier of the safety data sheet****Manufacturer/Supplier:**

Fine Paints of Europe Inc.

274 West Woodstock Road

Woodstock, VT 05091

USA

info@finepaints.com

Phone: 800.332.1556

Emergency telephone number: Phone: 1.800.332.1556 (Monday-Friday 8:00 a.m. - 5:30 p.m. EDT)

2 Hazard(s) identification

Classification of the substance or mixture

Flammable Liquids 3

H226

Flammable liquid and vapor.

Eye Irritation 2A

H319

Causes serious eye irritation.

Sensitization - Skin 1

H317

May cause an allergic skin reaction.

Carcinogenicity 1B

H350

May cause cancer.

Specific Target Organ Toxicity - Single Exposure 1

H370

Causes damage to the upper respiratory tract.

Specific Target Organ Toxicity - Repeated Exposure 1 H372-H373 Causes damage to the central nervous system through prolonged or repeated exposure. May cause damage to the blood system through prolonged or repeated exposure.

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 Danger**Hazard-determining components of labeling:**

2-butanone oxime

Naphtha (petroleum), hydrodesulfurized heavy

Fatty acids, C6-19-branched, cobalt(2+) salts

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Hazard statements

Flammable liquid and vapor.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause cancer.

Causes damage to the upper respiratory tract.

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

Precautionary statements

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

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

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves/protective clothing/eye protection/face protection.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical attention.

Get medical attention if you feel unwell.

If skin irritation or rash occurs: Get medical attention.

If eye irritation persists: Get medical attention.

Wash contaminated clothing before reuse.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

Additional information: Keep out of reach of children.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 2

Fire = 2

Reactivity = 0

HMIS-ratings (scale 0 - 4)



HEALTH 2 Health = *2

FIRE 2 Fire = 2

REACTIVITY 0 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

Dangerous components:		
64742-47-8	Distillates (petroleum), hydrotreated light	>25–≤50%
64742-82-1	Naphtha (petroleum), hydrodesulfurized heavy	10%
96-29-7	2-butanone oxime	≥1–≤2.5%
107-98-2	1-methoxy-2-propanol	≥0–≤2.5%
64742-48-9	Naphtha (petroleum), hydrotreated heavy	≥0–≤2.5%
68409-81-4	Fatty acids, C6-19-branched, cobalt(2+) salts	≥1–≤2.5%

4 First-aid measures

Description of first aid measures

General information:

Take affected persons out into the fresh air.

Keep warm, position comfortably and cover well.

Consult doctor if symptoms persist.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation:

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

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:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Remove contact lenses, if present and easy to do. Continue rinsing.

After swallowing:

If person is conscious, rinse out mouth.

Do not induce vomiting; immediately call for medical help.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

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

During heating or in case of fire poisonous gases are produced.

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Advice for firefighters

Protective equipment:

Mouth respiratory protective device.

Wear fully protective suit.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Mount respiratory protective device.

Environmental precautions: Do not allow product to reach sewage system or any water course.

Methods and material for containment and cleaning up:

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

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

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.

Protective Action Criteria for Chemicals

PAC-1:

7631-86-9	silicon dioxide, chemically prepared	18 mg/m ³
96-29-7	2-butanone oxime	30 ppm
107-98-2	1-methoxy-2-propanol	100 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	350 mg/m ³

PAC-2:

7631-86-9	silicon dioxide, chemically prepared	740 mg/m ³
96-29-7	2-butanone oxime	56 ppm
107-98-2	1-methoxy-2-propanol	160 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	1,800 mg/m ³

PAC-3:

7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m ³
96-29-7	2-butanone oxime	250 ppm
107-98-2	1-methoxy-2-propanol	660 ppm
64742-48-9	Naphtha (petroleum), hydrotreated heavy	40,000 mg/m ³

7 Handling and storage

Handling:

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

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Prevent formation of aerosols.

Wash hands thoroughly after handling.

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

Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities
Storage: Observe instructions for use / storage.**Requirements to be met by storerooms and receptacles:** Protect from heat and direct sunlight.**Information about storage in one common storage facility:** Store away from oxidizing agents.
Further information about storage conditions:

Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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 section 7.
Control parameters
Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

96-29-7 2-butanone oxime	
WEEL	Long-term value: 10 ppm DSEN
107-98-2 1-methoxy-2-propanol	
REL	Short-term value: 540 mg/m ³ , 150 ppm Long-term value: 360 mg/m ³ , 100 ppm
TLV	Short-term value: 100 ppm Long-term value: 50 ppm A4

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

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

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Filter A/P2

Protection of hands:

Protective gloves

Use gloves of stable material (e.g. Nitrile) - if necessary tricoted to improve the wearability.

As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR**Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Viscous
Color:	Clear
Odor:	Solvent-like
Odor threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	160 °C (320 °F)

Flash point: 39 °C (102.2 °F)**Flammability:** Flammable.**Decomposition temperature:** Not determined.**Ignition temperature:** 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:	8 Vol %

Vapor pressure at 20 °C (68 °F): 2 hPa (1.5 mm Hg)**Density at 20 °C (68 °F):** 0.91 g/cm³ (7.594 lbs/gal)**Relative density** Not determined.**Vapor 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.

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Viscosity:**Dynamic:** Not determined.**Kinematic at 40 °C (104 °F):** >20.5 mm²/s**Solvent content:****VOC content:** 35.2–62 %
480.0 g/l / 4.01 lb/gal (calculated)**Solids content:** ~47.0 %**Other information**

No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.**Chemical stability** The product is stable.**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:** Oxidizing substances**Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral	LD50	8,333–83,333 mg/kg
Dermal	LD50	110,000–1,100,000 mg/kg
Inhalative	LC50/4 h	2,000–20,000 mg/l (rat)

96-29-7 2-butanone oxime

Oral	LD50	100 mg/kg (ATE) 3,700 mg/kg (rat)
Dermal	LD50	1,100 mg/kg (ATE) 200–2,000 mg/kg (rat)
Inhalative	LC50/4 h	20 mg/l (rat)

107-98-2 1-methoxy-2-propanol

Oral	LD50	5,660 mg/kg (rat)
Dermal	LD50	13,000 mg/kg (rabbit)

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>3,000 mg/kg (rabbit)

Primary irritant effect:**on the skin:** No irritant effect.**on the eye:** Irritating effect.

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Sensitization: Sensitization possible through skin contact.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)		
7631-86-9	silicon dioxide, chemically prepared	3
68409-81-4	Fatty acids, C6-19-branched, cobalt(2+) salts	2B
NTP (National Toxicology Program)		
None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

Toxicity**Aquatic toxicity:** No further relevant information available.**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.**Additional ecological information:****General notes:**

Water hazard class 3 (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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

14 Transport information

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

UN1263

UN proper shipping name**DOT, IATA**

Paint

IMDG

PAINT

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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: Not applicable.
Special precautions for user Warning: Flammable liquids
Hazard identification number (Kemler code): 30
EMS Number: F-E,S-E
Stowage Category A
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
UN "Model Regulation": UN 1263 PAINT, 3, III

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):

68409-81-4 Fatty acids, C6-19-branched, cobalt(2+) salts

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TSCA (Toxic Substances Control Act):	
All substances are listed on the Inventory and have the value ACTIVE or are exempt.	
Hazardous Air Pollutants	
68409-81-4	Fatty acids, C6-19-branched, cobalt(2+) salts
Proposition 65	
Chemicals known to cause cancer:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for females:	
None of the ingredients is listed.	
Chemicals known to cause reproductive toxicity for males:	
None of the ingredients is listed.	
Chemicals known to cause developmental toxicity:	
None of the ingredients is listed.	
Carcinogenic categories	
EPA (Environmental Protection Agency)	
None of the ingredients is listed.	
TLV (Threshold Limit Value)	
None of the ingredients is listed.	
NIOSH-Ca (National Institute for Occupational Safety and Health)	
None of the ingredients is listed.	

Chemical safety assessment

Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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

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 04/06/2023 / -

Abbreviations and acronyms:

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)
 VOC: Volatile Organic Compounds (USA, EU)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative

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NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Flammable Liquids 3: Flammable liquids – Category 3

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

Carcinogenicity 1B: Carcinogenicity – Category 1B

Specific Target Organ Toxicity - Single Exposure 1: Specific target organ toxicity (single exposure) – Category 1

Specific Target Organ Toxicity - Repeated Exposure 1: Specific target organ toxicity (repeated exposure) – Category 1