

1 Identification

- **Product identifier:**
- **Trade name:** TOTALBOAT GLEAM HIGH-GLOSS VARNISH
- **Product code(s):** 433509, 409314, 495821
- **Details of the supplier of the safety data sheet**
- **Distributor:**
TOTALBOAT LLC
17 Peckham Drive
Bristol, RI 02809
(800) 497-0010
- **Information department:** Product safety department
- **Emergency telephone number:** INFOTRAC: 800-535-5053

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids 3

H226 Flammable liquid and vapor.



GHS08 Health hazard

Carcinogenicity 2

H351 Suspected of causing cancer.

Toxic to Reproduction 2

H361 Suspected of damaging fertility or the unborn child.

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irritation 2

H315 Causes skin irritation.

Sensitization - Skin 1

H317 May cause an allergic skin reaction.

Specific Target Organ Toxicity - Single Exposure 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** Danger

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

Naphtha Solvent

Solvent Naphtha (Petroleum), Light Aromatic

cobalt bis(2-ethylhexanoate)

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 1)

1,2,4-Trimethylbenzene

2-butanone oxime

Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester

- **Hazard statements**

Flammable liquid and vapor.

Causes skin irritation.

May cause an allergic skin reaction.

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

- **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.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

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

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

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

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

Call a poison center/doctor if you feel unwell.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use CO₂, powder or water spray to extinguish.

Store in a well-ventilated place. Keep container tightly closed.

Store in a well-ventilated place. Keep cool.

Store locked up.

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

- **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:**

64742-47-8	Napthta Solvent	25-50%
64742-95-6	Solvent Naphtha (Petroleum), Light Aromatic	≥10-<20%

(Contd. on page 3)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 2)

95-63-6	1,2,4-Trimethylbenzene	≥2.5-<10%
96-29-7	2-butanone oxime	≥0.1-<1%
1330-20-7	Xylene	≥0.1-≤2.5%
98-82-8	Cumene	≥0.1-≤2.5%
41556-26-7	Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidiny) ester	≥0.1-<1%
136-52-7	cobalt bis(2-ethylhexanoate)	≥0.1-≤2.5%
111-76-2	2-butoxyethanol	≤2.5%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **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 wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If irritation occurs, get medical assistance.
- **After swallowing:** If symptoms persist consult doctor. Do not induce vomiting.
- **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** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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.

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 3)

· Protective Action Criteria for Chemicals

· PAC-1:

95-63-6	1,2,4-Trimethylbenzene	140 ppm
96-29-7	2-butanone oxime	30 ppm
1330-20-7	Xylene	130 ppm
108-83-8	2,6-dimethylheptan-4-one	75 ppm
98-82-8	Cumene	50 ppm
111-76-2	2-butoxyethanol	60 ppm
8052-41-3	Stoddard solvent	300 mg/m ³
25322-68-3	Polyethylene glycol	30 mg/m ³

· PAC-2:

95-63-6	1,2,4-Trimethylbenzene	360 ppm
96-29-7	2-butanone oxime	56 ppm
1330-20-7	Xylene	920* ppm
108-83-8	2,6-dimethylheptan-4-one	330 ppm
98-82-8	Cumene	300 ppm
111-76-2	2-butoxyethanol	120 ppm
8052-41-3	Stoddard solvent	1,800 mg/m ³
25322-68-3	Polyethylene glycol	1,300 mg/m ³

· PAC-3:

95-63-6	1,2,4-Trimethylbenzene	480 ppm
96-29-7	2-butanone oxime	250 ppm
1330-20-7	Xylene	2500* ppm
108-83-8	2,6-dimethylheptan-4-one	2000* ppm
98-82-8	Cumene	730 ppm
111-76-2	2-butoxyethanol	700 ppm
8052-41-3	Stoddard solvent	29500** mg/m ³
25322-68-3	Polyethylene glycol	7,700 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.
Prevent formation of aerosols.

· 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:

- Requirements to be met by storerooms and receptacles: No special requirements.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep receptacle tightly sealed.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 4)

· **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.

95-63-6 1,2,4-Trimethylbenzene

REL	Long-term value: 125 mg/m ³ , 25 ppm
TLV	Long-term value: 10 ppm
A4	

96-29-7 2-butanone oxime

WEEL	Long-term value: 10 ppm
DSEN	

1330-20-7 Xylene

PEL	Long-term value: 435 mg/m ³ , 100 ppm
REL	Short-term value: 655 mg/m ³ , 150 ppm
	Long-term value: 435 mg/m ³ , 100 ppm
TLV	Long-term value: 20 ppm
BEI, A4	

98-82-8 Cumene

PEL	Long-term value: 245 mg/m ³ , 50 ppm
	Skin
REL	Long-term value: 245 mg/m ³ , 50 ppm
	Skin
TLV	Long-term value: 5 ppm
A3	

136-52-7 cobalt bis(2-ethylhexanoate)

TLV	Long-term value: 0.02* mg/m ³
	as Co, A3; *inhalable; DSEN; RSEN; BEI

111-76-2 2-butoxyethanol

PEL	Long-term value: 240 mg/m ³ , 50 ppm
	Skin
REL	Long-term value: 24 mg/m ³ , 5 ppm
	Skin
TLV	Long-term value: 20 ppm
BEI, A3	

· **Ingredients with biological limit values:**

1330-20-7 Xylene

BEI	1.5 g/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 5)

111-76-2 2-butoxyethanol

BEI 200 mg/g creatinine
 Medium: urine
 Time: end of shift
 Parameter: Butoxyacetic acid (BAA) (with hydrolysis)

- **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 skin.
 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.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**
 The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
 The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

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

Form:	Liquid
Color:	Amber colored
Odor:	Characteristic

(Contd. on page 7)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 6)

· Odor threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition Melting point/Melting range: Boiling point/Boiling range:	Undetermined. 169 °C (336.2 °F)
· Flash point:	40 °C (104 °F)
· Flammability (solid, gaseous):	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: Upper:	Not determined. Not determined.
· Vapor pressure:	Not determined.
· Density at 20 °C (68 °F): · Relative density · Vapor density · Evaporation rate	0.912 g/cm ³ (7.61064 lbs/gal) Not determined. Heavier than (Air) Slower than (n-Butyl Acetate)
· Solubility in / Miscibility with Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water): · Dynamic: · Kinematic:	Not determined. Not determined. Not determined.
· Solvent content: VOC content:	55.06 % 502.1 g/l / 4.19 lb/gal
· 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:** 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.

US

(Contd. on page 8)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 7)

11 Toxicological information

· Information on toxicological effects

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

64742-95-6 Solvent Naphtha (Petroleum), Light Aromatic

Oral	LD50	>6,800 mg/kg (rat)
Dermal	LD50	>3,400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

· Primary irritant effect:

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** No irritating effect.

· **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)

1330-20-7	Xylene	3
98-82-8	Cumene	2B
136-52-7	cobalt bis(2-ethylhexanoate)	2B
111-76-2	2-butoxyethanol	3

· NTP (National Toxicology Program)

98-82-8	Cumene	R
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· OSHA-Ca (Occupational Safety & Health Administration)

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

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 2 (Self-assessment): hazardous for water

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.

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

US

(Contd. on page 9)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023



Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 8)

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	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:	Not applicable.
· Special precautions for user	Warning: Flammable liquids
· Hazard identification number (Kemler code):	30
· EMS Number:	F-E, <u>S</u> -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

(Contd. on page 10)

US

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 9)

· Remarks:	Flash Point – 100F or higher. D.O.T. label NOT required. 173.150(f)1 May be reclassified as Combustible Liquid.
· 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):

64742-47-8	Napthta Solvent
95-63-6	1,2,4-Trimethylbenzene
96-29-7	2-butanone oxime
1330-20-7	Xylene
98-82-8	Cumene
136-52-7	cobalt bis(2-ethylhexanoate)
111-76-2	2-butoxyethanol
8052-41-3	Stoddard solvent

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Hazardous Air Pollutants

1330-20-7	Xylene
98-82-8	Cumene
136-52-7	cobalt bis(2-ethylhexanoate)

· Proposition 65

· Chemicals known to cause cancer:

98-82-8	Cumene
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· 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)

95-63-6	1,2,4-Trimethylbenzene	II
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(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 10)

1330-20-7	Xylene	I
98-82-8	Cumene	D, CBD
111-76-2	2-butoxyethanol	NL

· TLV (Threshold Limit Value)

1330-20-7	Xylene	A4
111-76-2	2-butoxyethanol	A3

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· 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:

Naphtha Solvent
 Solvent Naphtha (Petroleum), Light Aromatic
 cobalt bis(2-ethylhexanoate)
 1,2,4-Trimethylbenzene
 2-butanone oxime
 Decanedioic acid,bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester

· Hazard statements

Flammable liquid and vapor.
 Causes skin irritation.
 May cause an allergic skin reaction.
 Suspected of causing cancer.
 Suspected of damaging fertility or the unborn child.
 May cause drowsiness or dizziness.
 May be fatal if swallowed and enters airways.

· 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.
 Ground/bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Use only non-sparking tools.
 Take precautionary measures against static discharge.
 Avoid breathing dust/fume/gas/mist/vapors/spray
 Wash thoroughly after handling.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing must not be allowed out of the workplace.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If swallowed: Immediately call a poison center/doctor.
 Specific treatment (see on this label).
 Do NOT induce vomiting.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

(Contd. on page 12)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/11/2023

Reviewed on 10/11/2023

Trade name: TOTALBOAT GLEAM HIGH-GLOSS VARNISH

(Contd. of page 11)

IF exposed or concerned: Get medical advice/attention.
 Call a poison center/doctor if you feel unwell.
 Take off contaminated clothing and wash it before reuse.
 If skin irritation or rash occurs: Get medical advice/attention.
 Wash contaminated clothing before reuse.
 In case of fire: Use CO₂, powder or water spray to extinguish.
 Store in a well-ventilated place. Keep container tightly closed.
 Store in a well-ventilated place. Keep cool.
 Store locked up.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **National regulations:**
- **Additional classification according to Decree on Hazardous Materials:**
 Carcinogenic hazardous material group III (dangerous).
- **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** 10/11/2023
- **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)
 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
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 BEI: Biological Exposure Limit
 Flammable Liquids 3: Flammable liquids – Category 3
 Skin Irritation 2: Skin corrosion/irritation – Category 2
 Sensitization - Skin 1: Skin sensitisation – Category 1
 Carcinogenicity 2: Carcinogenicity – Category 2
 Toxic to Reproduction 2: Reproductive toxicity – Category 2
 Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3
 Aspiration Hazard 1: Aspiration hazard – Category 1
- *** Data compared to the previous version altered.**