TOTALBOAT

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

1 Identification

· **Product identifier:**

· **Trade name:** **TOTALBOAT ALUMINUM BOAT PAINT - KHAKI**

· **Product code:** TB-0630, TB-1786

· **Details of the supplier of the safety data sheet**
· **Distributor:**
TOTALBOAT LLC
17 Peckham Drive
Bristol, RI 02809
(800) 497-0010

· **Emergency telephone number:** INFOTRAC: 800-535-5053

2 Hazard(s) identification

· **Classification of the substance or mixture**


GHS08 Health hazard

Carcinogenicity 2	H351 Suspected of causing cancer. Route of exposure: Inhalation.
Toxic to Reproduction 1B	H360 May damage fertility or the unborn child.

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


GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
N-methyl-2-pyrrolidone
Carbon black
2-(2-methoxyethoxy)ethanol
· **Hazard statements**
Suspected of causing cancer. Route of exposure: Inhalation.
May damage fertility or the unborn child.
· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
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.

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 1)

· **vPvB:** Not applicable.

3 Composition/information on ingredients

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

· **Dangerous components:**		
13463-67-7	titanium dioxide	2.5-10%
872-50-4	N-methyl-2-pyrrolidone	≥0.1-≤2.5%
111-77-3	2-(2-methoxyethoxy)ethanol	≥0.1-≤2.5%
1333-86-4	Carbon black	≥0.1-≤2.5%

4 First-aid measures

· **Description of first aid measures**
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:** Generally the product does not irritate the skin.
· **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:** Use fire fighting measures that suit the environment.
· **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** Not required.
· **Environmental precautions:**
Dilute with plenty of water.
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.
· **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 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 2)

· **Protective Action Criteria for Chemicals**

· **PAC-1:**		
13463-67-7	titanium dioxide	30 mg/m³
872-50-4	N-methyl-2-pyrrolidone	30 ppm
111-77-3	2-(2-methoxyethoxy)ethanol	3.4 ppm
121-44-8	triethylamine	1 ppm
7631-86-9	silicon dioxide, chemically prepared	18 mg/m³
21645-51-2	aluminium hydroxide	8.7 mg/m³
1333-86-4	Carbon black	9 mg/m³
57-55-6	Propylene glycol	30 mg/m³
546-93-0	Magnesite	45 mg/m³
108-01-0	2-dimethylaminoethanol	3.7 ppm
556-67-2	octamethylcyclotetrasiloxane	30 ppm
9005-00-9	Polyoxyethylene stearyl ether	5.7 mg/m³

· **PAC-2:**		
13463-67-7	titanium dioxide	330 mg/m³
872-50-4	N-methyl-2-pyrrolidone	32 ppm
111-77-3	2-(2-methoxyethoxy)ethanol	37 ppm
121-44-8	triethylamine	170 ppm
7631-86-9	silicon dioxide, chemically prepared	740 mg/m³
21645-51-2	aluminium hydroxide	73 mg/m³
1333-86-4	Carbon black	99 mg/m³
57-55-6	Propylene glycol	1,300 mg/m³
546-93-0	Magnesite	260 mg/m³
108-01-0	2-dimethylaminoethanol	40 ppm
556-67-2	octamethylcyclotetrasiloxane	68 ppm
9005-00-9	Polyoxyethylene stearyl ether	63 mg/m³

· **PAC-3:**		
13463-67-7	titanium dioxide	2,000 mg/m³
872-50-4	N-methyl-2-pyrrolidone	190 ppm
111-77-3	2-(2-methoxyethoxy)ethanol	220 ppm
121-44-8	triethylamine	1,000 ppm
7631-86-9	silicon dioxide, chemically prepared	4,500 mg/m³
21645-51-2	aluminium hydroxide	440 mg/m³
1333-86-4	Carbon black	590 mg/m³
57-55-6	Propylene glycol	7,900 mg/m³
546-93-0	Magnesite	1,600 mg/m³
108-01-0	2-dimethylaminoethanol	72 ppm
556-67-2	octamethylcyclotetrasiloxane	130 ppm
9005-00-9	Polyoxyethylene stearyl ether	380 mg/m³

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 3)

7 Handling and storage

· **Handling:**
· **Precautions for safe handling** Open and handle receptacle with care.
· **Information about protection against explosions and fires:** 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.
· **Specific end use(s)** No further relevant information available.

· **Instructions for use:**

Stir well before using.
Keep from freezing.

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.

872-50-4 N-methyl-2-pyrrolidone	
TLV	BEI
WEEL	Long-term value: 10 ppm Skin

1333-86-4 Carbon black	
PEL	Long-term value: 3.5 mg/m³
REL	Long-term value: 3.5* mg/m³ *0.1 in presence of PAHs;See Pocket Guide Apps.A+C
TLV	Long-term value: 3* mg/m³ *inhalable fraction, A3

· **Ingredients with biological limit values:**

872-50-4 N-methyl-2-pyrrolidone	
BEI	100 mg/L Medium: urine Time: end of shift Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone

· **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.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
· **Breathing equipment:** Not required.

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 4)

· **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:** Goggles recommended during refilling.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Liquid
Color:	Beige
· **Odor:**	Characteristic
· **Odor threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C (212 °F)
· **Flash point:**	Not applicable.
· **Flammability (solid, gaseous):**	Not applicable.
· **Decomposition temperature:**	Not determined.
· **Ignition temperature:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.
· **Vapor pressure at 20 °C (68 °F):**	23 hPa (17.3 mm Hg)
· **Density at 20 °C (68 °F):**	1.211 g/cm³ (10.1058 lbs/gal)
· **Relative density**	Not determined.
· **Vapor density**	Heavier than (Air)
· **Evaporation rate**	Slower than (n-Butyl Acetate)
· **Solubility in / Miscibility with**	
Water:	Fully miscible.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 5)

· **Partition coefficient (n-octanol/water):**	Not determined.
· **Dynamic:**	Not determined.
· **Kinematic:**	Not determined.
· **Solvent content:**	
VOC content:	4.38 % 53.0 g/l / 0.44 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.

11 Toxicological information

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

· **LD/LC50 values that are relevant for classification:**		
13463-67-7 titanium dioxide		
Oral	LD50	>20,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (rat)

· **Primary irritant effect:**
· **on the skin:** No irritant effect.
· **on the eye:** No irritating effect.
· **Sensitization:** No sensitizing effects known.
· **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**		
14807-96-6	Talc (hydrous magnesium silicate)	3
13463-67-7	titanium dioxide	2B
7631-86-9	silicon dioxide, chemically prepared	3
1333-86-4	Carbon black	2B

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

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 6)

· **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 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
· **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.
· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **UN-Number** · **DOT, IMDG, IATA**	Not applicable/Not regulated
· **UN proper shipping name** · **DOT, IMDG, IATA**	Not applicable/Not regulated
· **Transport hazard class(es)** · **DOT, ADN, IMDG, IATA** · **Class**	Not applicable/Not regulated
· **Packing group** · **DOT, IMDG, IATA**	Not applicable/Not regulated
· **Environmental hazards:**	Not applicable.
· **Special precautions for user**	Not applicable.
· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 7)

· **UN "Model Regulation":** Not applicable/Not regulated

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.

· **Sara**

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

· **Section 313 (Specific toxic chemical listings):**

872-50-4	N-methyl-2-pyrrolidone
111-77-3	2-(2-methoxyethoxy)ethanol
121-44-8	triethylamine

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

· **Hazardous Air Pollutants**

121-44-8	triethylamine

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7	titanium dioxide
1333-86-4	Carbon black

· **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:**

872-50-4	N-methyl-2-pyrrolidone

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency)**
None of the ingredients is listed.

· **TLV (Threshold Limit Value)**

13463-67-7	titanium dioxide	A4
121-44-8	triethylamine	A4
1333-86-4	Carbon black	A4

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

13463-67-7	titanium dioxide
1333-86-4	Carbon black

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

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 06/09/2023 Reviewed on 06/09/2023

Trade name: TOTALBOAT ALUMINUM BOAT PAINT - KHAKI

(Contd. of page 8)

· **Hazard pictograms**

GHS08

· **Signal word** Danger

· **Hazard-determining components of labeling:**
N-methyl-2-pyrrolidone
Carbon black
2-(2-methoxyethoxy)ethanol
· **Hazard statements**
Suspected of causing cancer. Route of exposure: Inhalation.
May damage fertility or the unborn child.
· **Precautionary statements**
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container in accordance with local/regional/national/international regulations.
· **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** 06/09/2023
· **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
Carcinogenicity 2: Carcinogenicity – Category 2
Toxic to Reproduction 1B: Reproductive toxicity – Category 1B