

Safety Data Sheet

according to OSHA HCS (29CFR 1910.1200)

Revision: September 04, 2019

1 Identification

- **Product identifier**
- **Trade name: Universal Tung Oil Sealer**
- **Product code:** TB 1000
- **Other means of identification:** Waterlox Universal Tung Oil Sealer
- **Recommended use and restriction on use**
- **Recommended use:** Paint / Coatings
- **Restrictions on use:** No 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 (North America)
+1 (813)248-0585 (International)

2 Hazard(s) identification

- **Classification of the substance or mixture**
- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Dam. 1 H318 Causes serious eye damage.
- Skin Sens. 1 H317 May cause an allergic skin reaction.
- Carc. 2 H351 Suspected of causing cancer.
- Repr. 2 H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
- STOT RE 1 H372 Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

- **Label elements**

- **GHS label elements**

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

- **Hazard pictograms:**



GHS05 GHS07 GHS08

- **Signal word:** Danger

- **Hazard statements:**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.

H372 Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

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Precautionary statements:

- P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe mist/vapors/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P272 Contaminated work clothing must not be allowed out of the workplace.
 P280 Wear protective gloves/protective clothing/eye protection.
 P302+P352 If on skin: Wash with plenty of soap and water.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a poison center/doctor.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

3 Composition/information on ingredients

Chemical characterization: Mixtures**Components:**

8007-24-7	Cashew Nutshell Oil Eye Dam. 1, H318 Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1A, H317	5-15%
8052-41-3	Stoddard solvent Flam. Liq. 3, H226 STOT RE 1, H372; Asp. Tox. 1, H304	<10%
64742-47-8	Distillates (petroleum), hydrotreated light Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336	<10%
	Trade Secret Phenolic modified resin (polymer exempt) Acute Tox. 4, H312; Skin Irrit. 2, H315; Skin Sens. 1, H317	<10%
556-67-2	Octamethylcyclotetrasiloxane Flam. Liq. 3, H226 Repr. 2, H361	<2%
96-29-7	2-butanone oxime Carc. 2, H351 Eye Dam. 1, H318 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317 Flam. Liq. 4, H227	<2%
64742-88-7	Solvent naphtha (petroleum), medium aliph. Asp. Tox. 1, H304 Acute Tox. 4, H332	<2%

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22464-99-9	2-ethylhexanoic acid, zirconium salt ⚠ Repr. 2, H361	<1%
15956-58-8	2-ethylhexanoic acid, manganese salt ⚠ Repr. 2, H361; STOT RE 2, H373 ⚠ Eye Irrit. 2A, H319	<1%

· **Additional information:**

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.
For the wording of the listed Hazard Statements, refer to section 16.

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air; consult doctor in case of complaints.
Provide oxygen treatment if affected person has difficulty breathing.
In case of irregular breathing or respiratory arrest provide artificial respiration.
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 is experienced, consult a doctor.

· **After eye contact:**

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.
Do not induce vomiting; immediately call for medical help.
A person vomiting while lying on their back should be turned onto their side.

· **Most important symptoms and effects, both acute and delayed:**

Headache
Breathing difficulty
Coughing
Allergic reactions
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.
Causes serious eye irritation.
Causes skin irritation.

· **Danger:**

Causes serious eye damage.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Indication of any immediate medical attention and special treatment needed:**

Contains Cashew Nutshell Oil, Phenolic Resin, 2-butanone oxime. May produce an allergic reaction.
Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

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- **Extinguishing media**
- **Suitable extinguishing agents:**
 - Carbon dioxide
 - Foam
 - Fire-extinguishing powder
 - Sand
 - Water fog / haze
- **For safety reasons unsuitable extinguishing agents:** 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.

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.
 - Particular danger of slipping on leaked/spilled product.
- **Environmental precautions** Avoid release to the environment.
- **Methods and material for containment and cleaning up**
 - Towel or mop up material and collect in a suitable container.
 - For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.
 - Send for recovery or disposal in suitable receptacles.
- **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:**
 - Use only in well ventilated areas.
 - Avoid contact with the eyes and skin.
 - Keep out of reach of children.
 - Open and handle receptacle with care.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Store away from oxidizing agents.
- **Specific end use(s)** No relevant information available.

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8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

8052-41-3 Stoddard solvent

PEL (USA)	Long-term value: 2900 mg/m ³ , 500 ppm
REL (USA)	Long-term value: 350 mg/m ³ Ceiling limit value: 1800* mg/m ³ *15-min
TLV (USA)	Long-term value: 525 mg/m ³ , 100 ppm
EL (Canada)	Short-term value: 580 mg/m ³ Long-term value: 290 mg/m ³
EV (Canada)	Long-term value: 525 mg/m ³
LMPE (Mexico)	Long-term value: 100 ppm

64742-47-8 Distillates (petroleum), hydrotreated light

EL (Canada)	Long-term value: 200 mg/m ³ Skin
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556-67-2 Octamethylcyclotetrasiloxane

WEEL (USA)	Long-term value: 10* ppm *OARS WEEL
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96-29-7 2-butanone oxime

WEEL (USA)	Long-term value: 10 ppm DSEN
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22464-99-9 2-ethylhexanoic acid, zirconium salt

PEL (USA)	Long-term value: 5 mg/m ³ as Zr
REL (USA)	Long-term value: 5 mg/m ³ as Zr
TLV (USA)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ As Zr
EL (Canada)	Short-term value: 10 mg/m ³ Long-term value: 5 mg/m ³ As Zr

- **Exposure controls**

- **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.

- **Engineering controls:** No relevant information available.

- **Breathing equipment:**

Use suitable respiratory protective device in case of insufficient ventilation.

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For spills, respiratory protection may be advisable.

· **Protection of hands:**



Protective gloves

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

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No relevant information available.

· **Risk management measures** No relevant information available.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **Appearance:**

Form: Liquid
Color: Amber colored

· **Odor:** Slight
Hydrocarbon

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Melting point/Melting range:** Not determined.

· **Boiling point/Boiling range:** 150 - 199 °C (302-390.2 °F)

· **Flash point:** >94 °C (>201.2 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Auto-ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits**

Lower: Not determined.

Upper: Not determined.

· **Oxidizing properties:** Non-oxidizing.

· **Vapor pressure:** >1

· **Density:**

Relative density: 0.934

Vapor density: Not determined.

Evaporation rate: Not determined.

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|---|------------------------------------|
| · Solubility in / Miscibility with Water: | Insoluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · VOC content: | 98 g/L |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Toxic fumes may be released if heated above the decomposition point.
Reacts with strong oxidizing agents.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers
- **Hazardous decomposition products**
Under fire conditions only:
Carbon monoxide and carbon dioxide
Hydrocarbons

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.

· LD/LC50 values that are relevant for classification:

8007-24-7 Cashew Nutshell Oil

Oral	LD50	>1000 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rat)

96-29-7 2-butanone oxime

Oral	LD50	3700 mg/kg (rat)
Dermal	LD50	200-2000 mg/kg (rat)
Inhalative	LC50/4h	20 mg/l (rat)

- **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:** Sensitization possible through skin contact.
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer):**

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Present in trace quantities.

91-20-3	Naphthalene	2B
100-41-4	Ethylbenzene	2B

· **NTP (National Toxicology Program):**

Present in trace quantities.

91-20-3	Naphthalene	R
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· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

· **Probable route(s) of exposure:**

Ingestion.

Inhalation.

Eye contact.

Skin contact.

· **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. Route of exposure: Oral.

· **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. Route of exposure: Inhalation.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity**

The product contains materials that are harmful to the environment.

556-67-2 Octamethylcyclotetrasiloxane

LC50 >22 mg/l (Oncorhynchus mykiss)

EC50 >15 mg/l (daphnia)

· **Persistence and degradability** No relevant information available.

· **Bioaccumulative potential:** No relevant information available.

· **Mobility in soil:** No relevant information available.

· **Additional ecological information**

· **General notes:** Avoid release to the environment.

· **Other adverse effects** No 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.

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

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disposal for hazardous and nonhazardous wastes.

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

14 Transport information

- **UN-Number**
- DOT, ADR/RID/ADN, IMDG, IATA Not regulated.
- **UN proper shipping name**
- DOT, ADR/RID/ADN, IMDG, IATA Not regulated.
- **Transport hazard class(es)**
- DOT, ADR/RID/ADN, IMDG, IATA
- Class Not regulated.
- **Packing group**
- DOT, ADR/RID/ADN, IMDG, IATA Not regulated.
- **Environmental hazards**
- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed or exempt.

- **Proposition 65 (California)**
- **Chemicals known to cause cancer:**
Present in trace quantities.

91-20-3 | Naphthalene

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100-41-4	Ethylbenzene
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· **Chemicals known to cause developmental toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **EPA (Environmental Protection Agency):**

None of the ingredients are listed.

· **IARC (International Agency for Research on Cancer):**

Present in trace quantities.

91-20-3	Naphthalene		
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2B

100-41-4	Ethylbenzene		
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2B

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.

· **Relevant phrases**

H226 Flammable liquid and vapor.

H227 Combustible liquid.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

H351 Suspected of causing cancer.

H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.

H372 Causes damage to the central nervous system through prolonged or repeated exposure. Route of exposure: Inhalation.

H373 May cause damage to organs through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Date of preparation / last revision** September 04, 2019 / -

· **Abbreviations and acronyms:**

ADR: 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

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

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Flam. Liq. 3: Flammable liquids – Category 3
Flam. Liq. 4: Flammable liquids – Category 4
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

Sources

Website, European Chemicals Agency (echa.europa.eu)
Website, US EPA Substance Registry Services (ofmpub.epa.gov/sor internet/registry/substreg/home/overview/home.do)
Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)
Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6
Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.
Safety Data Sheets, Individual Manufacturers

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