

SAFETY DATA SHEET

TUNG OIL

01.	01 - SUBSTANCE AND COMPANY IDENTIFICATION	
01.01.	Commercial Name:	TUNG OIL
01.01.01.	Additional identification:	China Wood Oil
01.01.02.	Typical uses:	Coatings, inks, resins, adhesives, construction
01.02.01.	Supplier:	George Degen & Co., Inc., d/b/a Industrial Oil Products
01.03.01.01.	Street:	144 Woodbury Road, Ste 34
01.03.01.02.	City / Zip Code:	Woodbury, NY 11797
01.03.01.03.	Country:	United States
01.03.01.04.	Telephone:	1-516-692-6862
01.03.01.05.	E-mail:	sales@tungoil.com
01.03.01.06.	Emergency telephone:	CHEMTREC – 1-800-424-9300
01.03.01.07.	Website:	www.tungoil.com
01.03.01.08.	National contact:	Mr Blake Hanson
01.03.01.09.	Information contact:	Mr Michael Glen
01.03.01.10.	E-mail (competent person):	nancym@tungoil.com
02.	02 – HAZARDS IDENTIFICATION	
02.01.	Hazards description:	Not hazardous (2012 OSHA Hazard Communication Standard)
02.01.01.	R-Phrases:	NONE
02.01.02.	S-Phrases	NONE
02.01.03.	Hazard Statements:	NONE
02.01.04.	Precautionary Statements:	NONE
02.02.01.	Special dangers for human &	See sections 4 – 16
02.02.01.01.	Adverse physicochemical effects:	This material is combustible, but will not ignite readily.
02.02.01.02.	Adverse human health effects	NONE
03.	03 - COMPOSITION / INFORMATION ON INGREDIENTS	
03.01.	Chemical Name:	Tung Oil (synonym: China Wood Oil)
03.02.	CAS No:	8001-20-5
03.03.	EC No:	232-272-3
03.04.	Additional information:	Triglycerides of fatty acids, primarily eleostearic (84%+/-)
04.	04 - FIRST AID MEASURES	
04.02.	In case of inhalation:	Remove person to fresh air. In case of respiratory tract irritation, consult a physician.
04.03.	In case of skin contact:	Wash with soap and water.
04.04.	In case of eye contact:	In case of eye irritation, rinse with water or eye-wash and consult an ophthalmologist.
04.05.	In case of ingestion:	If accidentally swallowed rinse the mouth with plenty of water.
04.06.	Most important symptoms/effects:	Eye contact may cause temporary irritation. If swallowed may cause discomfort.
04.07.	Notes to Physician:	Treat symptomatically.
05.	05 - FIRE-FIGHTING MEASURES	
05.01.	Suitable extinguishing media:	Sand, dry chemical or CO2, alcohol resistant foam, water.
05.02.	Inadvisable extinguishing media:	Water jet
05.03.	Hazardous combustion products:	Carbon dioxide, carbon monoxide
05.04.	Special equipment for fire-fighters:	Protective clothing and breathing apparatus.
05.05.	Additional information:	Move undamaged containers from immediate hazard area if it can be done safely.

06.	06 - ACCIDENTAL RELEASE MEASURES	
06.01.	Personal precautions	Avoid breathing vapors. Keep unprotected people away and stay on the upwind side.
06.02.	Environmental precautions	Cover drains.
06.03.	Methods for cleaning up	Wash with plenty of water.
06.04.	Additional information	spillages can be slippery under foot.
07.	07 - HANDLING AND STORAGE	
07.01.	Advices on safe handling	Keep container tightly closed when not in use.
07.01.01.	Protective measures:	No special handling advices are necessary.
07.01.02.	Precautions against fire and explosion:	Not readily combustible
07.01.03.	Further informations:	Risk of spontaneous combustion of rags exists if mixed with solvents or processed to be polymerized
07.02.	Requirements storage rooms & vessels:	Keep container tightly closed.
07.02.01.	Hints on joint storage	Combustible substance
07.02.02.	Further information on storage	Keep in a cool, well-ventilated place.
07.02.03.	Storage temperature:	Ambient
07.02.04.	Maximum period of storage (time):	Unlimited as long as stored properly
07.02.05.	Storage class:	No storage class
08.	08 - EXPOSURE CONTROLS / PERSONAL PROTECTION	
08.01.	Exposure limit values:	None set
08.01.01.	Occupational exposure limits:	None set
08.02.01.	Hand protection:	Tested impervious gloves must be worn.
08.02.02.	Suitable eye protection:	Eye glasses / goggles that protect against liquid splashes
08.02.03.	Remark:	Do not wear contact lenses.
08.02.04.	Protective clothing:	Laboratory coat or overalls
08.02.05.	Suitable protective clothing:	Overalls
08.02.06.	Unsuitable protective clothing:	None
08.02.07.	Required properties:	Antistatic
08.02.08.	Recommended material	Natural fibres (e.g. cotton wool)
08.02.09.	Technical measures to prevent exposure	See section 7. No additional measures necessary.
09.	09 – PHYSICAL AND CHEMICAL PROPERTIES	
09.01.	Physical state:	Liquid
09.02.	Color:	Amber
09.03.	Odor:	Characteristic
09.04.	pH value:	7
09.05.	Melting point:	< 0 C
09.06.	Boiling temperature:	> 200 C
09.07.	Vapor pressure:	0.1mm at 20 C
09.08.	Density:	0.92 to 0.96
09.09.	Bulk density:	0.94
09.10.	Water solubility (g/l):	<0.001%
09.10.01.	Fat solubility (g/l):	Complete
09.11.01.	Viscosity	viscous liquid
09.11.01.	Remark:	on long keeping, polymerizes to a stiff jelly
09.12.	Auto Ignition temperature (AIT)	>400 C
09.12.01.	Flash Point (°C):	289
09.12.01.01.	Method:	PMCC
09.12.01.01.01.	Evaluation:	Non-flammable

10.	10 - STABILITY AND REACTIVITY	
10.01.	Conditions to avoid:	Temperatures > 100 C, Polymerization
10.02.	Materials to avoid:	Alkali (lye)
10.03.	Hazardous decomposition products:	Carbon dioxide
11.	11 - TOXICOLOGICAL INFORMATION	
11.01.	Acute toxicity	No data available
11.01.02.	Acute dermal toxicity	No data available
11.01.03.	Acute inhalative toxicity	No data available
11.02.	Skin corrosion/irritation	No data available
11.03.	Serious eye damage/irritation	No data available
11.04.	Respiratory or skin sensitization	No data available
11.05.	Germ cell mutagenicity	No data available
11.06.	Carcinogenicity	No component presents at levels \geq 0.1% as known or anticipated carcinogen by OSHA, NTP, ACGIH, or IARC
11.07.	Reproductive toxicity:	No data available
11.08.	Specific target organ toxicity – single exposure	No data available
11.09.	Specific target organ toxicity – repeated exposure	No data available
11.10.	Aspiration hazard	No data available
11.11.	Additional information	Not available
12.	12 – ECOLOGICAL INFORMATION	
12.01.	Acute fish toxicity	No effects, low water solubility
12.02.	Water hazard class (WGK)	WGK=0
12.03.	Acute daphnia toxicity	No test data
12.04.	Chronic daphnia toxicity	Daphnia 48 hour
12.05.	Algae toxicity	No test data
12.06.	Bacteria toxicity	No test data
12.07.	Terrestrial toxicity	No test data
12.08.	Acute and sub-acute bird toxicity	No test data
12.09.	Bird reproductive toxicity	No test data
12.10.	Useful insect toxicity	No test data
12.11.	Other toxicity	No test data
12.12.	Distribution to environment	No data
12.13.	Result of PBT assessment	Does not meet criteria for classification
12.14.	Ozone depletion potential	Low
12.15.	Photochemical ozone creation	Low
12.16.	Global warming potential	Low
12.17.	Atmospheric lifetime	no data
12.18.	Endocrine disrupting potential	None
12.19.	Biochemical oxygen demand	No data
12.20.	Overall evaluation	No test data but ultimately biodegradable
13.	13 – DISPOSAL CONSIDERATIONS	
13.01.	Appropriate disposal	Dispose of waste according to local, state, and federal laws
13.02.	Remark:	Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

14.	14 – TRANSPORT INFORMATION	
14.01.	DOT (US)	Not dangerous goods
14.01.01.	Class:	55
14.01.02.	Proper Shipping name:	Tung Oil
14.02.	IMDG:	Not dangerous goods
14.03.	Marine pollutant:	No
14.04.	Air transport (ICAO-TI / IATA-DGR)	Not dangerous goods
14.05.	HTC code / HS code	1515901100 / 151540
14.06.	HMIS	H-0 F-1 R-0 PPI -C
15.	15 – REGULATORY INFORMATION	
15.01.	SARA 302 components	None
15.02.	SARA 313 components	None
15.03.	SARA 311/312 Hazards	None
15.04.	MA Right to Know components	None
15.05.	PA Right to Know components	Tung Oil consists primarily of glycerides of fatty acids eleostearic (84%+/-), linoleic (9%+/-), oleic (5%+/-). CAS No. 8001-20-5
15.06.	NJ Right to Know components	Tung Oil consists primarily of glycerides of fatty acids eleostearic (84%+/-), linoleic (9%+/-), oleic (5%+/-). CAS No. 8001-20-5
15.07.	CA Prop. 65 components	None
15.08.	VOC – guidelines	Not a VOC
15.09.	Signal word:	None
15.10.	Pictograms & hazard statements	None
15.10.01.	Hazard pictograms:	see last page
15.11.	Special rules on packaging:	none
16.	16 – OTHER INFORMATION	
16.01.	Last revision date:	April 16, 2015
16.01.01	Reason for update:	To comply with OSHA , 29 CFR 1910.1200 & Appx. D

