12-1-17

Material Safety Data Sheet

Section 1 General Information

Ace Refinishing High Gloss Tung Oil

Manufacturer:
Zinsser Company, Inc.
173 Belmont Drive
Somerset, NJ 08875
(732) 469-8100

Emergency Telephone: Chemtrec (800) 424-9300 **Date: May 18, 2006**

Product Name: Ace Tung Oil Varnish (High Gloss)

Product Codes: Quart #17348

Section 2 Hazardous Ingredients

Hazardous Component	CAS#	OSHA PEL	ACGIH TLV
Solvent Naphtha, Heavy Alkylate	64741-65-7	500 ppm	N/E
Naphtha, Hydrotreated Heavy	64742-48-9	N/A	N/A
Xylene (Mixed Polymers)	1330-20-7	100 ppm	100 ppm 150 ppm (STEL)
Ethyl Benzene	100-41-4	100 ppm	100 ppm 125 ppm (STEL)
Mineral Spirits	64741-41-9	500 ppm	100 ppm

Section 3 Hazard Identification

Emergency Overview: This product is an amber liquid with a mild odor and flash point of 112°F.

Primary Routes of Exposure:

Skin Contact
Eye Contact
Inhalation

Potential Acute Health Effects:

Eye: Severe irritation, redness, tearing and blurred vision.

Skin: Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.

Inhalation: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis (central nervous system depression).

(See also Sections 4, 8, and 11for related information)

Section 4 First Aid Measures

Eye contact: Flush eyes with large amounts of water for 15 minutes. Consult physician.

Skin contact: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.

Ingestion: If swallowed contact a physician, poison control center, or hospital emergency room. Do Not induce vomiting because of the danger of aspirating liquid into the lungs. If spontaneous vomiting occurs, monitor breathing for difficulty. Treat symptomatically and supportively. Get medical attention.

Inhalation: If symptoms develop, remove affected person to fresh air. If breathing is difficult, administer oxygen if available. If respiratory symptoms persist, get medical attention.

Section 5 Fire Fighting Measures

Flash Point (method): 112°F

Extinguishing Media: Foam, Dry Chemical, Water Fog, CO_2

Protection of Firefighters: As in any fire, wear self-contained breathing apparatus in pressure demand mode and full protective gear.

Section 6 Accidental Release Measures

Clean Up Methods: Keep away from open flame, sparks and hot surfaces. Do not smoke or allow others to do so. For small spills wash with water and detergents and flush into retaining container. Provide respiratory protection. For larger spills these can be taken on sand, earth, floor absorbent and shoveled into containers. Prevent runoff to sewers, streams or other bodies of water.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment)

Section 7 Handling and Storage

Handling: Avoid prolonged skin contact. Do not breathe spray mist. Ground containers when pouring and limit free fall to a few inches to prevent static sparks. Avoid spontaneous combustion of contaminated rags or other easily ignitable organic accumulations by immediate immersion in water. Emptied containers may retain hazardous properties. Do not cut, puncture or weld on or near the container.

Storage: Store away from heat, sparks and open flame.

Section 8 Exposure Controls / Personal Protection

Engineering Controls: Use in well-ventilated areas. If necessary, use mechanical local exhaust ventilation or general room dilution ventilation to reduce vapor concentrations below applicable exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Prevent eye contact. Wear chemical splash goggles or similar eye protection if the potential exists for eye contact.

Skin Protection: Avoid unnecessary skin contact. It is recommended that rubber gloves be worn to prevent skin contact. Depending on conditions of use additional protective equipment may be necessary such as face-shield, apron or coveralls.

Respiratory Protection: None required for normally expected use conditions. If exposure limits are exceeded or if irritation is experienced, appropriate NIOSH approved respiratory protection should be worn.

General Hygiene Practices: Wash after handling material. Prevent Eye contact. Avoid prolonged skin and inhalation contact. Wash thoroughly before handling food, cosmetics, or before smoking.

Section 9 Physical Data

Appearance: Amber	**Odor:** Mild
Physical State: liquid	**pH:** N/D
Boiling Point: 235-410°F	**Melting Point:** N/D
Vapor Pressure: 8.36 mmHg	**Vapor Density:** Heavier
Viscosity: N/D	**Solubility in Water:** Negligible

N/A: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated

Specific Gravity (water = 1): 0.858

Section 10 Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: N/D

Conditions to Avoid: Keep away from sparks, open flame and fire.

Incompatibility: Avoid contact with strong oxidizing agents.

Section 11 Toxicological Information

Carcinogenicity: The following ingredients are present at greater than 0.1% and are classified by IARC, NTP, or OSHA as carcinogenic:

Ingredient	CAS #	IARC	NTP	OSHA
None	N/A	N/A	N/A	N/A

(See also Section 15 for related information)

Section 12 Ecological Information

Chemical Fate and Effects: None known

Section 13 Disposal Considerations

RCRA Hazardous Waste: This material, when discarded or disposed of, could be a hazardous waste according to federal regulations (40 CFR 261) due to the characteristic of ignitability (D001). The transportation, storage, treatment, and disposal of this waste must be conducted in compliance with 40 CFR 262,263,264,268, and 270. Disposal can only occur in properly permitted facilities. Check state and local regulations for any additional requirements as these may be more restrictive than federal laws and regulations. Chemical additions processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate.

Section 14 Transportation Information

Regulated by the DOT: No, (Combustible liquid)

DOT Proper Shipping Name: N/A

UN / NA Number: N/A

Hazard Class: N/A

Packing Group: N/A

Section 15 Regulatory Information

CERCLA:
The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
Xylene	1330-20-7	2%
Ethyl Benzene	100-41-4	0.3%

SARA Title III, section 311/312:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
None	N/A	N/A

SARA Title III, section 313:
The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name	CAS#	Maximum Concentration (Wt. %)
Xylene	1330-20-7	2%
Ethyl Benzene	100-41-4	0.3%

TSCA:

The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product does contain chemicals that require export notification under Section 12(b) of the TSCA regulation.

Chemical Name	CAS#	Maximum Concentration (Wt. %)
Xylene	1330-20-7	2%

Section 16 Other Information

Legend: **N/A**: Not Applicable
N/D: Not Determined
N/E: Not Established
N/R: Not Required
cps: Centipoise
KU: Krebs Units
STEL: Short Term Exposure Limit
C: OSHA Ceiling Value
PPM: Parts Per Million
PPB: Parts Per Billion
PEL: Permissible Exposure Limit
TLV: Threshold Limit Value
TWA: Time Weighted Average
mg/m^3: Milligrams per cubic Meter
mppcf: Million particles per cubic foot of air.
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration (US Dept. of Labor)
RCRA: Resource Conservation and recovery Act
SARA: Superfund Amendment and Reauthorization Act
TSCA: Toxic Substance Control Act
FHSA: Federal Hazardous Substance Act

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