



Material Safety Data Sheet

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name/ Trade Name: Orange Glo Wood Cleaner & Polish
HMIS codes: H 1, F 2, R 0, P ND

Supplier: Orange Glo International
PO Box 3998
Littleton, CO 80110 USA

MSDS preparation date: 14 September 2001
By: L. Brown
MSDS Revision date: 27 August 2004
MSDS Reviewed: 27 August 2004

Emergency Phone: 303-740-1909
Poison Control (US): 1-800-222-1222
Transportation emergencies: ChemTrec 800-424-9300

Information Phone: 303-740-1909

Section 2: COMPOSITION/INFORMATION ON INGREDIENTS

General Description: Non-aerosol liquid wood cleaner and polish. Bitrex has been added to prevent ingestion.

Hazardous Ingredients:

Ingredients not precisely identified are proprietary or nonhazardous

CAS #	Chemical name	%'age range
64742-47-8	Petroleum distillates, hydrotreated, light	50-100
8028-48-6	Cold pressed orange oil	<8%
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Section 3: HAZARDS IDENTIFICATION

This product is a consumer product. To the extent the product is used in a fashion typical to that of a consumer, protective measures, with the exception of those indicated on the label, are not normally necessary. Where use conditions and/or extent and duration of exposure differ from typical consumer use, however, appropriate protective measures to prevent eye and prolonged skin contact (glasses, goggles, rubber gloves, protective clothing) and minimize inhalation exposure (engineering controls, NIOSH-approved respiratory protection appropriate for the hazard presented) are recommended.

General: Repeated exposure may cause skin dryness or cracking
Emergency: Ingestion - seek immediate medical attention
Primary Route(s) of Entry: Skin contact, eye contact, inhalation, ingestion
Effects of Overexposure-
Inhalation: Respiratory tract irritation, headaches, dizziness, anesthesia, drowsiness, unconsciousness and other central nervous system effects.
Effects of Overexposure-
Ingestion: Minute amounts may be aspirated into lungs causing mild to severe pulmonary injury
Effects of Overexposure-Eyes: Irritation
Effects of Overexposure-Skin: May cause drying and cracking of skin



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Effects of Overexposure-Chronic Skin contact may aggravate an existing dermatitis
Hazards:

Section 4:	FIRST AID MEASURES
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- Skin: Rinse well with warm water
- Eyes: Rinse opened eyes with copious amounts of water. If irritation persists, call a physician
- Ingestion: Do not induce vomiting. Call a physician immediately.
- Inhalation: Remove to fresh air. If breathing is irregular or has stopped, administer oxygen and call a physician immediately

Section 5:	FIRE FIGHTING MEASURES
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Flashpoint and method used:	170 deg F/76.4 deg C (TCC)	Flammable limit: (LEL)	1	Flammable limit: (UEL)	6
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Auto-ignition temperature: Product is not self igniting

Extinguishing media: Foam, dry chemical carbon dioxide, ABC type fire extinguishers

Special fire-fighting protective equipment: Self contained positive pressure breathing apparatus and protective clothing should be worn

Unusual fire and explosion hazards: Keep product away from ignition sources, such as heat, sparks, pilot lights, and open flames.

Explosion data: ND

Section 6:	ACCIDENTAL RELEASE MEASURES
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Personal protective equipment: In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined area, use approved air line type respirator or hood.

Material release or spill: Shut off and eliminate all ignition sources. Keep people away. Recover free product. Add sand, earth or other suitable absorbent to spill area. Minimize breathing vapors. Minimize skin contact. Ventilate confined spaces. Open all windows and doors. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses, or extensive land areas.

Other: --

Section 7:	HANDLING AND STORAGE
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Storage: Store in original container. Do not store above 120 deg F.

Precautions during handling and storage: Ensure adequate ventilation during use. Avoid breathing vapors. Avoid skin and eye contact. Keep out the reach of children and domestic animals.

Section 8:	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Exposure limits:	Petroleum distillate OSHA PEL: NE (300 ppm recommended by supplier); ACGIH TLV: NE Orange Oil: OSHA PEL: not estab; ACGIH TLV: not estab
Engineering controls:	To prevent fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Keep containers closed when not in use. Do not store near heat, sparks, flame or strong oxidants.
Eye protection:	None under normal use. Use splash goggles or face shield when eye contact may occur
Protective clothing:	None under normal use. Chemical resistant apron or other impervious clothing if needed. Chemical resistant gloves if needed to avoid prolonged or repeated skin contact.
Respiratory protection:	Use supplied air respiratory protection in confined or enclosed spaces if needed. Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air. No smoking or use of flame or other ignition sources.
Other PPE:	--

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Slightly viscous clear orange liquid		
Odor:	Orange		
Physical state:	Liquid		
Boiling point:	400 deg F/204 deg C	Vapor density:	<7.3 (est)
Vapor Pressure:	ND	Evaporation rate:	< 0.01
Solubility in water:	Insoluble	Viscosity:	4.25 cSt @ 40 deg C
pH:	NA	Specific Gravity:	8 lb/gal
Melting point:	NA	Cloud point:	ND
% volatile by volume:	>90	Freezing point:	ND
Partition coefficient:	ND		
Coefficient of water/oil distribution:	ND		

Section 10: STABILITY AND REACTIVITY

Stability:	Stable
Incompatibility:	Strong oxidizers
Conditions to avoid:	Application to hot surfaces, exposure to open flame
Hazardous decomposition:	Carbon monoxide, sulfur oxides, aldehydes, smoke
Hazardous polymerization:	None

Section 11: TOXICOLOGICAL PROPERTIES

Acute oral toxicity	LD50 >5 g/kg Rat
Carcinogenicity:	Not recognized as a carcinogen by ACHIG, IARC, NTP, OSHA
Reproductive toxicity/	ND
Teratogenicity:	
Mutagenicity:	ND
Toxicologically synergistic products:	ND

Section 12: ECOLOGICAL INFORMATION



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Persistence and degradation: ND - product does not contain PCB's
Toxicity: ND
Other: Do not discharge into municipal sewers or waterways

Section 13:	DISPOSAL CONSIDERATIONS
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Disposal method: Dispose of in accordance with local, state and federal regulations
Container disposal: Dispose of in accordance with local, state and federal regulations

Section 14:	TRANSPORT INFORMATION
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DOT proper shipping name:	Not hazardous	DOT technical name:	NA
DOT Hazard class:	NA	Hazard subclass:	NA
UN Number, proper shipping name:	NA	Packing group:	NA
Other Transport information:	NA		

Section 15:	REGULATORY INFORMATION
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TSCA:	All ingredients are listed on the TSCA inventory
DSL:	ND
OSHA Haz Com 29 CFR 1910.1200:	MSDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200)
WHMIS Classification:	ND
CERCLA and SARA:	ND

Section 16:	OTHER INFORMATION
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% Volatile Organic Compounds (VOCs) <10%

Legend:	N.D. Not Determined	N.E. Not Established	N.A. Not Applicable
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The information provided has been adapted from the manufacturer supplied MSDS. The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from use of MSDS information.



MSDS Addendum

Always follow label instructions and warnings. Typical use of product is a guideline only.

Typical Use of Product:	Used to clean and polish wood surfaces. NOT recommended for use on wood floors due to risk of slip accidents.
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