

MATERIAL SAFETY DATA SHEET

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SECTION I - PRODUCT IDENTIFICATION

MSDS FORM #31
PRODUCT CODE: O 2
PRODUCT NAME: BOILED LINSEED OIL (BORTZ)

HMIS CODES: H F R PP
 0 1 1 C

U.S. DOT SHIPPING DESCRIPTION: (Non-Regulated)

SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	%WT	ACGIH	OSHA EXPOSURE LIMITS			VAPOR PRESS mmHg @ TEMP	
			TLV/TWA PPM	TWA PPM	MG/M ³	STEL PPM		MG/M ³
Linseed Oil	08001-26-1	100%	-	-	15	-	-	N/A

NOTE: Exposure limit given is for vegetable oil mist that may result from spray application.

SECTION III - PHYSICAL AND CHEMICAL DATA

BOILING RANGE: 649°F
SPECIFIC GRAVITY (H₂O=1): 0.9
SOLUBILITY IN WATER: Insoluble.
APPEARANCE AND ODOR: Amber, slightly viscous liquid with peculiar odor.

EVAPORATION RATE: Slower Than Ether.
VAPOR DENSITY: Heavier Than Air.
VOLATILE VOLUME: 0.0%

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: Combustible Liquid - Class III B
FLASH POINT: 403°F (TCC) LEL: N/A UEL: N/A
EXTINGUISHING MEDIA: Foam, Alcohol Foam, CO₂, Dry Chemical, Water Fog.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Spontaneous combustion may occur with rags or waste containing linseed oil. Avoid exposing oil to high temperatures. Large air/oil surfaces can ignite and should be handled with care.
SPECIAL FIREFIGHTING PROCEDURES: Use self-contained breathing apparatus in confined spaces. Avoid spreading burning liquid with water fog used for cooling purposes. Water or foam may cause frothing if directed into containers of burning liquid.

SECTION V - HEALTH HAZARD DATA

POTENTIAL ROUTES OF ENTRY / SIGNS AND SYMPTOMS OF EXPOSURE

INHALATION: Available information provides no evidence of adverse effects.
EYE CONTACT: Direct contact may cause slight irritation.
SKIN CONTACT: Prolonged or repeated contact may cause mild irritation. Hypersensitive persons may develop allergic skin rash.
SKIN ABSORPTION: Available information provides no evidence of adverse effects.
INGESTION: May cause gastrointestinal irritation.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing eye, skin, respiratory, and central nervous system disorders, and unusual allergic sensitivity.

CHRONIC OR DELAYED HEALTH HAZARDS: Available information provides no evidence of chronic or delayed health hazards associated with exposure to this product.
CARCINOGENICITY: NTP? NO. IARC MONOGRAPHS? NO. OSHA REGULATED? NO.
EMERGENCY AND FIRST AID PROCEDURES: For eye contact, flush eyes with fresh water for at least 15 minutes. If irritation persists, seek medical attention. For skin contact, wash thoroughly with soap

and water. Remove any contaminated clothing. If swallowed, have victim drink enough fresh water to ensure dilution. Call emergency medical care.

SECTION VI - REACTIVITY DATA

STABILITY: Stable. HAZARDOUS POLYMERIZATION: Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: Combustion can produce carbon monoxide and/or carbon dioxide, and possibly acrolein.
CONDITIONS TO AVOID: Open flame, direct heat, high temperature, and poor ventilation.
INCOMPATIBILITY (MATERIALS TO AVOID): Chlorine, strong oxidizers, acids and alkalis. Reacts violently with chlorine.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING, STORAGE, AND DISPOSAL

PRECAUTIONS FOR HANDLING AND STORAGE: Keep containers closed when not in use. Do not handle or store near heat, flame, strong oxidizers, acids and alkalis, or chlorine. Store in cool, well-ventilated area. Rotate stock, use older material first. Inspect all containers for leaks.
STEPS TO TAKE IF MATERIAL IS RELEASED OR SPILLED: Extinguish all sources of ignition, ventilate enclosed areas, keep people away. Dike and absorb spilled liquid with inert material such as clay granules, sand, earth, or sawdust. Use rags to clean up small amounts of spilled material.
WASTE DISPOSAL METHOD: Collect contaminated absorbent material and rags into a suitable container, add water to cover waste. Dispose in accordance with all applicable local, state, and federal regulations.

SECTION VIII - CONTROL MEASURES FOR SAFE USE

RESPIRATORY PROTECTION: None required under normal conditions. If oil is sprayed, use filter mask to avoid breathing spray mist.
VENTILATION: No special requirements.
EYE PROTECTION: Use safety glasses, goggles, or face shield to protect eyes.
PROTECTIVE GLOVES: Use impermeable solvent-resistant gloves (e.g., neoprene) to avoid skin contact.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Impermeable headcovering and general protective clothing are recommended for protection as necessary. Upon removal, immediately immerse any contaminated clothing in water to prevent spontaneous combustion.
WORK/HYGIENIC PRACTICES: Immediately remove spilled oil from floors and walkways to prevent safety hazard from slippery surfaces.

SECTION IX - SPECIAL CAUTIONS

Keep away from heat and flame. Avoid breathing spray mist. Do not ingest. Avoid contact with skin. Close container after each use. Immerse contaminated rags, waste, or clothing in water. Clean up all spills immediately. Keep out of reach of children.

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