
 MATERIAL SAFETY DATA SHEET

 SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BOILED LINSEED OIL
 IDENTIFICATION NUMBER : E&I 20 3
 PRODUCT USE/CLASS :
 DATE PRINTED: 04

SUPPLIER: The Nelson Paint Co of Michigan Inc
 PO Box 2040
 Kingsford, MI 49802-2040
 MANUFACTURER: The Nelson Paint Co of Michigan Inc
 PO Box 2040
 Kingsford, MI 49802-2040

EMERGENCY TELEPHONE : 800-255-3924
 CHEMTEL : 24 hours
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 CHEMTEL : 24 hours

PREPARER: Doyle Yoder, PHONE: 906-774-5566, PREPARE DATE: 04/11/02

SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS

----- CHEMICAL NAME -----	CAS NUMBER	WT. PERCENT -----		OCCUPATIONAL EXPOSURE LIMITS---			
		IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	PEL-C	
Aliphatic Hydrocarbons	8052-41-3	5.0 %	100ppm	N.E.	100ppm	N.E.	

(See Section XI for abbreviation legend)

SECTION III - PHYSICAL DATA

BOILING RANGE : 310 - 385 F
 ODOR : Vegetable Oil
 APPEARANCE : Lt Brown Liquid
 SOLUBILITY IN H2O : None
 VOLATILE BY WEIGHT : 1.2 %
 VOCs, lbs/gal : 0.09
 VAPOR DENSITY : Is heavier than air
 SPECIFIC GRAVITY : 0.9258
 EVAPORATION RATE : Is slower than Butyl Acetate
 VOLATILE BY VOLUME : 1.3 %
 VOCs, grams/ltr : 11

(See Section XI for abbreviation legend)

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT : 104 F
 LOWER EXPLOSIVE LIMIT
 UPPER EXPLOSIVE LIMIT:

EXTINGUISHING MEDIA : DRY CHEMICAL CO2 FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: "Empty" containers retain product residue (liquid and/or vapor) and can DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconitioner, or properly disposed of.

Keep containers tightly closed . Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode if exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear self

breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Water runoff can cause environmental damage. Dike and collect water used to fight fire. Water spray may be used for cooling containers to prevent pressure build-up and auto-ignition or explosion when exposed to extreme heat.

SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Liquid, aerosols and vapors of this product are mildly irritating and may cause tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Exposure may cause mild skin irritation. Symptoms may include redness and burning. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions and use.

EFFECTS OF OVEREXPOSURE - INHALATION: Prolonged inhalation may be harmful.

EFFECTS OF OVEREXPOSURE - INGESTION: No hazard in normal industrial use.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

FIRST AID - EYE CONTACT: If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

FIRST AID - SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or center immediately. Never give anything by mouth to an unconscious person.

PRIMARY ROUTE(S) OF ENTRY: INHALATION SKIN CONTACT

SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: May form: Carbon Dioxide and Carbon Monoxide, etc.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: Avoid contact with: strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate all non-essential personnel. Remove ignition. Ventilate the area. Equip employees with appropriate protection equipment. Dike around spilled material. Cover spill with absorbent material and shovel with non-sparking tools into container. Remove containers to safe area and seal. Avoid runoff into sewers and ditches which lead to waterways.

WASTE DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

Material Safety Data Sheet

Science Stuff, Inc.
1104 Newport Avenue
Austin, TX 78753

Phone (512) 837-6020
Chemtrec 800-424-9300
24 Hour Emergency Assistance

Section 1 Identification					
Product Number:	C1990	Health:	1		
Product Name:	Linseed Oil, Raw	Flammability:	1		
Trade/Chemical Synonyms:		Reactivity:	0		
Formula:	N/A	Hazard Rating:	Least Slight Moderate High Extreme		
RTECS:	OI9690000	0	1	2	3
C.A.S	CAS# 8001-26-1	NA = Not Applicable NE = Not Established	4		
Section 2 Component Mixture					
Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
<input type="checkbox"/>	Linseed Oil, Raw	CAS# 8001-26-1	100 %	WW	TLV 10 mg/mf (oilmist)
Section 3 Hazard Identification (Also see section 11)					
Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.					
Section 4 First Aid Measures					
Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid long term exposure to skin or by inhalation.					
FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.					
EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen					
INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but it is not necessary to induce. Never give anything by mouth to an unconscious person.					
Section 5 Fire Fighting Measures					
Fire Extinguisher Type:	Water spray, Carbon dioxide, dry chemical, foam.				
Fire/Explosion Hazards:	None Known.				
Fire Fighting Procedure:	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.				
Section 6 Accidental Release Measures					
Collect on absorbent and add water					
Section 7 Handling and Storage					
To be performed in compliance with all local, state, and federal regulations					
Section 8 Exposure Controls & Personal Protection					
Respiratory Protection: I5125					
Mechanical:		Hand Wear appropriate gloves			
<input type="checkbox"/>		Protection: to prevent skin exposure			
Ventilation:		Eye Goggles and Face Shield			
Local Exhaust:		<input checked="" type="checkbox"/>			
Other Protective Equipment: Wear appropriate clothing to prevent skin exposure					
Section 9 Physical and Chemical Properties					
Melting Point:	-19 Deg C	Specific Gravity	0.93		
Boiling Point:	>340 Deg C	Percent Volatile by Volume:	0		
Vapor Pressure:	Information not available	Evaporation Rate:	0		
Vapor Density:	Information not available	Evaporation Standard:			
Solubility in Water:	Not soluble	Auto ignition Temperature:	Not applicable		
Appearance and Odor:	Yellow to amber oil, characteristic odor	Lower Flamm. Limit in Air:	Not applicable		
Flash Point:	432 Deg F	Upper Flamm. Limit in Air:	Not applicable		
Section 10 Stability and Reactivity Information					
Conditions to Avoid: Auto oxidation can lead to Stability: Stable spontaneous combustion. Do not allow to be absorbed and stored on rags, towels, etc.					
Materials to Avoid: Chlorine					
Hazardous Decomposition Products: CO, Acrolein					
Hazardous Polymerization: Will Not Occur					
Condition to Avoid: None known					
Section 11 Additional Information					
Can cause irritation to skin and eyes. If comes in contact with skin wash with soap and water. If comes in contact with eyes flush with water. If inhaled move to fresh air. If ingested get medical assistance as with all these occurrences should be done. Target organs: None. Persons with pre-existing disorders may be more susceptible.					
DOT Classification: Not Regulated					
DOT regulations may change from time to time. Please consult the most recent version of the relevant regulations.					
Revision No:0 Date Entered: 1/1/2003 Approved by: WPF					

The information contained herein is believed to be accurate and is offered in good faith for the user's consideration and investigation. No warranty is expressed or implied regarding the completeness or accuracy of this information, whether originating from Science Stuff, Inc. or from an alternate source. Users of this material should satisfy themselves by independent investigation of current scientific and medical information that this material may be safely handled.

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canis permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection pro purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled relea levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

VENTILATION: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the product.

SKIN PROTECTION: Avoid prolonged skin contact.

EYE PROTECTION: Do not wear contact lenses. Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Long sleeved clothing is recommended during use. Wash paint contaminated clothing use.

HYGENIC PRACTICES: Containers of this material may be hazardous when emptied. Since emptied containers retain produ (vapor Liquid, and/or solid), all hazard precautions given in the data sheet must be observed. Wash hands before eating or smc Remove contaminated clothing and wash before reuse. Use only in a well ventilated area. Ground and bond containers when t material. Use spark-proof tools and explosion proof equipment. Avoid prolonged or repeated contact with skin. Avoid breathi from heated material. Avoid contact with eyes, skin, and clothing.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from incompatible substances. Protect again damage. Outside or detached storage preferred. Wash thoroughly after handling. Keep away from heat, sparks and flame. Kee closed when not in use.

OTHER PRECAUTIONS: Do not inhale mist or vapor. Keep out of reach of children. Apply with back to wind during outdoc Avoid spontaneous combustion of contaminated rags and other easily ignitable accumulations (example: spray booth residue) immersion in water.

SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 1

SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

----- CHEMICAL NAME ----- CAS NUMBER WT/WT % IS
No SARA Section 313 components exist in this product.

PREVIOUS MSDS REVISION DATE: 11/29/95

LEGEND : N.A. - Not Applicable, N.E. - Not Established
N.D. - Not Determined

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(END OF MSDS)