SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name:	Refined Linseed Oil Cold Pressed Linseed Oil Stand Oil
Product Description:	Refined linseed oil
Intended Use:	To modify working properties of artist oil paints

COMPANY

Company Name:	Gamblin Artists Colors
Company Address:	2734 SE Raymond St. Portland, OR 97202 USA
Company Phone:	503-235-1945
Emergency Phone:	Local Emergency Room

SECTION 2: HAZARDS IDENTIFICATION

GHS LABELING

GHS Classification:	Flammable	None
	Health	None
GHS Pictogram(s):		None
Signal Word:		None

HAZARDS

Hazard Statements:	None
Precautionary Statements:	None
Hazard-Determining Components of Labelling:	None

ADDITIONAL

Repeated exposure may cause skin dryness or cracking.
Rags, steel wool, or waste soaked with product may spontaneously ignite if improperly handled or discarded.
No significant environmental hazards.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Concentration (%)	GHS Hazard Codes	Supplier Rec.	EU HSPA
Linseed oil	8001-26-1	100	Not hazardous	N/A	N/A

SECTION 4: FIRST AID MEASURES

GENERAL INFORMATION: No special measures required.

Inhalation: Supply fresh air; consult doctor in case of complaints.

Skin contact: Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

Eye contact: Remove contact lenses if worn.
Rinse opened eye for several minutes under running water.
If symptoms persist, consult doctor.

Ingestion: Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.

Symptoms and effects (both acute and delayed):
Headache
Gastric or intestinal disorders
Cramping
Dizziness
Breathing difficulty
Coughing
Slight irritant effect on skin and mucous membranes
Slight irritant effect on eyes

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:
If swallowed, gastric irrigation with added, activated carbon.
Medical supervision for at least 48 hours.
If necessary oxygen respiration treatment.
Treat skin and mucous membrane with antihistamine and corticoid preparations.
In cases of irritation to the lungs, initial treatment with corticosteroid inhalants.

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING

Extinguishing Media: Foam; Fire-extinguishing powder; Carbon dioxide; Gaseous extinguishing agents

Unsuitable extinguishing agents:
Water spray - Water with full jet

Protective Equipment and Precautions for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Hazards Arising from the Chemical:

Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray. Formation of toxic gases is possible during heating or in case of fire.

Additional Information: Cool endangered receptacles with water fog or haze.

FLAMMABILITY PROPERTIES

Flammable Limits in Air:

Upper	N/D
Lower	N/D

NFPA Hazard Classification:		**HMIS Hazard Classification:**	
Health	0	Health	0
Flammability	1	Flammability	1
Reactivity	0	Reactivity	0
Other	N/A	Protection	N/D

Product :	**Flash Point:**		**Autoignition Temperature:**	
Refined Linseed Oil	>500°F	>260°C	N/D	N/D

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment:

Use respiratory protective device against the effects of fumes/dust/aerosol
Ensure adequate ventilation
Wear protective equipment
Keep unprotected persons away
Keep away from ignition sources
Particular danger of slipping on leaked/spilled product

Environmental Precautions: Do not allow to enter sewers or groundwater
Prevent from spreading (e.g. by damming-in or oil barriers)

Methods and Materials for Containment and Clean-up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).
Remove from the water surface (e.g. skim or suction off).
Pick up mechanically.
Send for suitably qualified recovery and/or disposal companies.
Dispose of the collected material according to regulations.

Used rags or other cleaning materials should be soaked with water and placed in a sealed container.

Additional Information: Oil soaked materials may spontaneously combust.

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

HANDLING

General: Avoid the formation of oil haze.
Rags, metal wools / cuttings / shavings and waste papers soaked with product must be placed in a sealed metal
container rated for flammable waste.
Information about fire- and explosion protection: Protect from heat.
Keep ignition sources away - Do not smoke.
Substance/product is ignitable under certain conditions.

STORAGE

Requirements to be met by storerooms and containers:
Avoid storage near extreme heat, ignition sources or open flame.

Information about storage in one common storage facility:
Store away from foodstuffs.
Do not store together with oxidizing and acidic materials.
Do not store together with textiles.

Further information about storage conditions:
Store in cool, dry conditions in well sealed containers.
Avoid prolonged contact with air/oxygen.
Remove and wash contaminated clothing before re-use.
Store in well-ventilated place.
Keep away from open flames, hot surfaces and sources of ignition.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not Required

8001-26-1 Linseed Oil

PEL (USA)	Short-term value: 15' 5" *mglm3*
	'Total dust "Respirable fraction
OEL (Canada)	Short-term value: 10* 3" *mglm3*
	'Mist "Respirable mist
TWA (Canada)	Short-term value: 10* 3" *mglm3*

*Mist **Respirable mist

Respiratory Protection:

Use suitable respiratory protective device in case of insufficient ventilation. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in the air. No smoking, flame, or other ignition sources.

Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact. The glove material has to be impermeable and resistant to the product. Selection of the glove material should be based on the penetration time, rates of diffusion and the degradation of the glove material.

Eye Protection: Safety glasses if eye contact is likely; eyewash fountain should be accessible.

ENGINEERING CONTROLS

Ventilation: Adequate ventilation should be provided so that exposure limits are not exceeded.

Hygiene: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking and/or smoking.

Exposure Guidelines:

NOTE: The level of protection and types of controls necessary will vary depending upon potential exposure conditions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

Physical State: Liquid
Form: Clear
Color: Yellow/Amber
Odor: Slight vegetable oil
Odor Threshold: N/D

IMPORTANT
HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Boiling Point: Decomposes before boiling
Melting Point: N/D
Freezing Point: N/D
Vapor Pressure: N/D
Density at 20°C: 0.92-0.97 g/cm3
Specific Gravity: N/D
Evaporation Rate: N/D
Solubility in Water: N/D
Solids by Weight: N/D
Volatile: N/D

Molecular Weight: N/D
Viscosity: N/D
Flash Point: >500°F >260°C

SECTION 10: STABILITY AND REACTIVITY

STABILITY
General: Slowly polymerizes when exposed to air.
Oxidizes rapidly and exothermically if large surface area is present.
May spontaneously combust under certain conditions.
Conditions to Avoid: Keep ignition sources away- Do not smoke.
Store away from oxidizing agents.
Avoid heat, sparks, open flames and other ignition sources
Materials to Avoid: No additional information is available.
Hazardous Decomposition or Bi-Products:
Carbon monoxide and carbon dioxide
Possibility of Hazardous Reactions:
Possibility of hazardous reactions: Reacts with aldehydes.
Reacts violently with oxidizing agents.
Reacts with peroxides and other radical forming substances.
Reacts with inorganic acid chlorides.
Reacts with powdered metals.
Reacts with strong acids and alkali.
Self-igniting under certain conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS
Inhalation:
Ingestion:
Skin: Slight irritant effect on skin and mucous membranes.
Eye: Slight irritant effect on eyes.
Carcinogenic: Substance is not listed. (National Toxicology Program)
Repeated Dose Toxicity:
Repeated exposure may cause skin dryness or cracking.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION
Ecotoxicity: May cause long term adverse effects in the aquatic environment.
Additional ecological information:

	Do not allow large quantities of undiluted product to reach ground water, water course or sewage system.
Mobility:	Highly volatile, will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

PERSISTENCE AND MOBILITY

Biodegradation:	Readily biodegradable.
Hydrolysis:	Transformation due to hydrolysis is not expected to be significant.
Photolysis:	Transformation due to photolysis is not expected to be significant.
Atmospheric:	N/D

SECTION 13: DISPOSAL CONSIDERATIONS

NOTE: Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at the time of disposal.

Waste Disposal:	Contact waste processors for recycling information. Can be burned with household garbage after consulting with the pertinent authorities and adhering to all the applicable regulations.
Uncleaned Packaging:	Disposal must be made according to the applicable regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number DOT, ADR, IMDG, lATA:

Not Regulated

14.2 UN proper shipping name DOT; ADR; IMDG, lATA:

Not Regulated

14.3 Transport hazard class(es) DOT; ADR; IMDG, lATA:

Not Regulated

14.4 Packing group DOT, ADR, IMDG, lATA:

Not Regulated

14.5 Environmental hazards: Marine pollutant:

No

14.6 Special precautions for user:

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable

UN "Model Regulation": -

SECTION 15: REGULATORY INFORMATION

SARA

Section 355 (extremely hazardous substances):

Substance is not listed.

Section 313 (Specific toxic chemical listings):

Substance is not listed.

TSCA (Toxic Substances Control Act):

Substance is listed.

PROPOSITION 65 (CALIFORNIA)

Chemicals known to cause cancer:

Substance not listed.

Chemicals known to cause reproductive toxicity for females:

Substance not listed.

Chemicals known to cause reproductive toxicity for males:

Substance not listed.

Chemicals known to cause developmental toxicity:

Substance not listed

CARCINOGENIC CATEGORIES

EPA (Environmental Protection Agency):

Substance is not listed.

IARC (International Agency for Research on Cancer):

Substance is not listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

Substance is not listed.

OSHA-Ca (Occupational Safety & Health Administration):

Substance is not listed.

CANADIAN SUBSTANCE LISTING

Canadian Domestic Substances List (DSL):

Substance is listed.

Canadian Ingredient Disclosure list (limit 0.1%):

Substance is not listed.

Canadian Ingredient Disclosure list (limit 1%):

8001-26-1 Linseed oil.

SECTION 16: OTHER INFORMATION

N/D = Not determined, N/A = Not applicable
Relevant phrases

H411: Toxic to aquatic life with long lasting effects.
R51153: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Abbreviations and Acronyms:

ADR: Accord europeen sur Je transport des marchandlses dangereuses par Route (European agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
lATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGJH: American Conference of Governmental Industrial Hygienists EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS:
European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
Aquatic Chronic 2:
Hazardous to the aquatic environment- Chronic Hazard, Category 2
Aquatic Chronic 3:
Hazardous to the aquatic environment- Chronic Hazard, Category 3

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:
Updates made in accordance with implementation of GHS requirements.

The information and recommendations contained herein are, to the best of Gamblin's knowledge and belief, accurate and reliable, but it is not warranted to be. You can contact Gamblin to ensure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use and it is the user's responsibility to carefully read the product label and follow instructions for safe use of the product.