

01054-1025

## Safety Data Sheet acc. to HCS and GHS

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Printing date: 07/29/2014

Reviewed on: 07/29/2014

### 1 Identification of the substance/mixture and of the company/undertaking

**Product Identifier**
**Trade name:** VOS 70 LINSEED OIL
**SAP material number:** 100089034, 100088861, 100103544

**Application of the substance / the mixture:** Paints and coatings.

**Details of the supplier of the Safety Data Sheet**
**Manufacturer/Supplier:**

Cargill, Incorporated  
Cargill Industrial Specialties  
9320 Excelsior Blvd.  
Hopkins, MN 55343  
Tel: 1-952-984-9122

E-mail: CIS\_CustomerService@Cargill.com

**Emergency telephone number:** 1-800-255-3924 (ChemTel)


### 2 Hazard(s) identification

**Classification of the substance or mixture:**

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

**Label elements**
**GHS label elements:** Not Regulated

**Hazard pictograms:** Not Regulated

**Signal word:** Not Regulated

**Hazard-determining components of labeling:** None.

**Hazard statements:** None

**Additional information:**

Rags, steel wool, or waste soaked with product may spontaneously ignite if improperly handled or discarded. Repeated exposure may cause skin dryness or cracking.

**Hazard description:**
**WHMIS-symbols:** Not hazardous under WHMIS.

**Classification system:**
**NFPA ratings (scale 0 - 4)**

1	0	0
Health = 0	Fire = 1	Reactivity = 0

**HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	1	Fire = 1
REACTIVITY	0	Reactivity = 0

**Other hazards**
**Results of PBT and vPvB assessment**
**PBT:** Not applicable.

**vPvB:** Not applicable.

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**Trade name: VOS 70 LINSEED OIL****3 Composition/information on ingredients****Chemical characterization: Mixture****Description:** Linseed oil with non-hazardous additives.**Hazardous components:** None in reportable quantities.**4 First-aid measures****Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

**After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

**Most important symptoms and effects, both acute and delayed:**

Dizziness

Breathing difficulty

Coughing

Nausea in case of ingestion.

Gastric or intestinal disorders when ingested.

Slight irritant effect on skin and mucous membranes.

Slight irritant effect on eyes.

**Danger:** None**Indication of any immediate medical attention and special treatment needed:**

If swallowed, gastric irrigation with added, activated carbon.

**5 Fire-fighting measures****Extinguishing media****Suitable extinguishing agents:**

Foam

Fire-extinguishing powder

Carbon dioxide

Gaseous extinguishing agents

**For safety reasons unsuitable extinguishing agents:** Water spray

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**Trade name: VOS 70 LINSEED OIL****Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

**Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information:** Cool endangered containers with water fog.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

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/ surface or ground water.

Prevent from spreading (e.g. by damming-in or oil barriers).

**Methods and material for containment and cleaning up:**

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Send for recovery or disposal in suitable containers.

Remove from the water surface (e.g. skim or suction off).

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.

**Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Precautions for safe handling:**

Prevent formation of aerosols.

Keep containers tightly sealed.

Use only in well ventilated areas.

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 protection against explosions and fires:**

Protect from heat.

Keep ignition sources away - Do not smoke.

Substance/product is ignitable under certain conditions.

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### Conditions for safe storage, including any incompatibilities

#### 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.

**Specific end use(s)** No additional information.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No additional information.

### Control parameters

#### Components with limit values that require monitoring at the workplace:

#### 8001-26-1 Linseed oil

PEL (USA)	Short-term value: 15* 5** mg/m <sup>3</sup> *Total dust **Respirable fraction
OEL (Canada)	Short-term value: 10* 3** mg/m <sup>3</sup> *Mist **Respirable mist
TWA (Canada)	Short-term value: 10* 3** mg/m <sup>3</sup> *Mist **Respirable mist

**Additional information:** The lists that were valid during the creation were used as basis.

### Exposure controls

#### Personal protective equipment:

#### General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

#### Breathing equipment:

Use suitable respiratory protective device when aerosol or mist is formed.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

#### Protection of hands:



Protective gloves

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.

#### Material of gloves:

The selection of a suitable gloves does not only depend on the material, but also on the quality, and varies from manufacturer to manufacturer.

#### Penetration time of glove material:

The exact break through time has to be determined by the manufacturer of the protective gloves. DO NOT exceed the breakthrough time set by the Manufacturer.

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### Eye protection:



Safety glasses

### Body protection:

Not required under normal conditions of use.

Protection may be required for spills.

### Limitation and supervision of exposure into the environment:

No special requirements.

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

Form:	Liquid
Color:	Amber colored
Odor:	Mild
Odor threshold:	Not determined.
pH-value:	Not determined.

#### Change in condition

Melting point/Melting range:	Not determined.
Boiling point/Boiling range:	Decomposes before boiling.

Flash point: >260 °C / >500 ° F

Flammability (solid, gaseous): Not applicable.

Auto-ignition temperature: Not determined.

Decomposition temperature: Not determined.

Auto igniting: Not determined.

Danger of explosion: Product does not present an explosion hazard.

#### Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapor pressure: Not determined.

Density at 20 °C (68 °F): 0.92 - 0.97 g/cm<sup>3</sup>

Relative density: Not determined.

Vapour density: Not determined.

Evaporation rate: Not determined.

#### Solubility in / Miscibility with

Water: Not miscible or difficult to mix.

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**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

**Dynamic:**

Not determined.

**Kinematic:**

Not determined.

**Other information**

No additional information.

## 10 Stability and reactivity

### Reactivity

#### Chemical stability

**Thermal decomposition / conditions to be avoided:**

Slowly polymerizes when exposed to air.

Oxidizes rapidly and exothermically if large surface area is present; may spontaneously combust under certain conditions.

**Possibility of hazardous reactions:**

Reacts with aldehydes.

Reacts violently with oxidizing agents.

Reacts with peroxides and other radical forming substances.

Reacts with powdered metals.

Reacts with strong acids and alkali.

Toxic fumes may be released if heated above the decomposition point.

**Conditions to avoid:**

Store away from oxidizing agents.

Keep ignition sources away - Do not smoke.

**Incompatible materials:** No additional information.

**Hazardous decomposition products:** Carbon monoxide and carbon dioxide

## 11 Toxicological information

### Information on toxicological effects

**Acute toxicity:**

**Primary irritant effect:**

**On the skin:** Slight irritant effect on skin and mucous membranes.

**On the eye:** Slight irritant effect on eyes.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

The substance is not subject to classification.

**Carcinogenic categories**

**NTP (National Toxicology Program):**

None of the ingredients is listed.

**OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients is listed.

**Repeated Dose Toxicity:** Repeated exposure may cause skin dryness or cracking.

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### 12 Ecological information

#### Toxicity

**Aquatic toxicity:** The material is harmful to the environment.

**Persistence and degradability:** Moderately /partly biodegradable

**Bioaccumulative potential:** Does not accumulate in organisms

**Mobility in soil:** No additional information.

#### Ecotoxicological effects:

**Remark:** Due to mechanical actions of the product (e.g. agglutinations) damages may occur.

#### Additional ecological information:

#### General notes:

Do not allow large quantities of undiluted product to reach ground water, water course or sewage system.  
Avoid transfer into the environment.

#### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**Other adverse effects** No additional information.

### 13 Disposal considerations

#### Waste treatment methods

##### Recommendation:

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 packagings:

**Recommendation:** Disposal must be made according to the applicable regulations.

### 14 Transport information

#### UN-Number

DOT, ADR, ADN, IMDG, IATA                      Not Regulated

#### UN proper shipping name

DOT, ADR, ADN, IMDG, IATA                      Not Regulated

#### Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA  
Class    Not Regulated

#### Packing group

DOT, ADR, IMDG, IATA                              Not Regulated

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**Environmental hazards:****Marine pollutant:**

No

**Special precautions for user**

Not applicable.

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

Not applicable.

**UN "Model Regulation":**

-

### 15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture**  
**SARA**
**Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

**Section 313 (Specific toxic chemical listings):**

None of the ingredient is listed.

**TSCA (Toxic Substances Control Act):**

All ingredients are listed.

**Proposition 65 (California)****Chemicals known to cause cancer:**

None of the ingredient is listed.

**Chemicals known to cause reproductive toxicity for females:**

None of the ingredient is listed.

**Chemicals known to cause reproductive toxicity for males:**

None of the ingredient is listed.

**Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**Carcinogenic categories****EPA (Environmental Protection Agency):**

None of the ingredient is listed.

**IARC (International Agency for Research on Cancer):**

None of the ingredient is listed.

**TLV (Threshold Limit Value established by ACGIH):**

None of the ingredient is listed.

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

None of the ingredient is listed.

**State Right to Know Listings:**

None of the ingredient is listed.



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### Canadian substance listings:

**Canadian Domestic Substances List (DSL):**

None of the ingredient is listed.

**Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredient is listed.

**Canadian Ingredient Disclosure list (limit 1%):**

8001-26-1 Linseed oil

**Other regulations, limitation and prohibitive regulations:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

**Date of preparation / last revision:** 07/29/2014

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises 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

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

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