SECTION 1. IDENTIFICATION OF SUBSTANCE AND COMPANY / UNDERTAKING

1.1 Product identifier

Product name: Cranfield Cold Pressed Linseed Oil

Product Identifier: 1097, 1098

1.2 Relevant identified uses of the substance or mixture and uses advised against

Professional use only. Oil Painting Medium

1.3 Details of the supplier of the safety data sheet

Manufacturer

Cranfield Colours Ltd,
44-47 Springvale Estate,
Cwmbran NP44 5BB, Wales UK
Web: www.cranfield-colours.co.uk
email: hello@cranfield-colours.co.uk

1.4 EMERGENCY TELEPHONE NUMBER

+ 00 44 (0)1633 861421 - Office Hours Only. This is NOT a Poison centre.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Not a hazardous substance or mixture

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

Not a hazardous substance or mixture.

2.3 Other hazards

May irritate skin
May irritate eyes
Ingestion may cause irritation to mucous membranes
May cause irritation of the respiratory tract

In common with polyunsaturated fats when in contact with cloth or inert absorbent materials may react in air to produce heat in extreme circumstances can cause smoldering and combustion

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous components.

No hazardous ingredients

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures Inhalation:

If inhaled: If breathed in, move person into fresh air. If symptoms persist, call a doctor

In case of skin contact: Immediately wash skin with plenty of water and soap as a precaution. If skin irritation persists, call a physician.

In case of eye contact: Immediately rinse with plenty of water. If eye irritation persists, consult a specialist.

In case of ingestion: If large quantities are swallowed, call a doctor immediately. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed: None known

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Foam, Dry Powder, Carbon dioxide CO2

Unsuitable extinguishing media: High volume water jet. Water

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting: In case of fire, may be produced such as Carbon oxides
Do not use solid waters stream as it may scatter and spread fires

5.3 Advice for firefighters

Special protective equipment for firefighters: In the event of fire, Wear self-contained breathing apparatus and protective suit.

Further information: Collect contaminated extinguishing water and debris separately avoid contamination of sewage system

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, Protective Equipment and Emergency Procedures

Personal precautions

Ensure adequate ventilation
Avoid contact with eyes and skin
Wear protective clothing (personal protective equipment)

6.1 Environmental precautions: Prevent spillage of large quantities into drains and surface waters.

6.2 Methods and materials for containment and cleaning up:

Methods of cleaning up

Contain and soak up spillage with inert, non-combustible, absorbent material and dispose of as hazardous waste.
Don not use flammable materials (e.g. sawdust or cotton rags) as an absorbent
Absorbents should be sprayed with water before disposal.

6.3 Reference to other sections:

Protective clothing – see section 8
See section 13 for more information on disposal

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice:

Avoid contact with eyes. Do not breathe vapours. Combustible material like textiles and paper which have been soiled by the product could self-ignite once the water content has evaporated.

Contaminated materials should be washed immediately with plenty of water

Hygiene measures

Wash hands with soap and water

Avoid repeated and long-term contact with skin

7.2 Conditions for safe storage, including any incompatibilities:

Storage Conditions

Requirement for storage areas and containers: Store in original container

Keep tightly closed in a dry, cool and well-ventilated space
Information on fire and explosion protection
Absorbed product has a tendency to self-ignite
Keep away from sources of ignition do not smoke take measures to prevent electrostatic discharge Do not spray on flames or glowing bodies

7.3 **Specific end use(s):** See the technical data sheet on this product for further information.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1Control parameters
Exposure limits are listed below, if they exist.

According to regulation EC No. 1907/2006

DNEL Derived No Effect Level
End Use: Workers
Exposure Routes: Inhalation
Potential health effects: long term systemic effects
Value: 1.76 mg/m3

DNEL Derived No Effect Level
End Use: Workers
Exposure: Skin Contact
Potential health effects: long term systemic effects
Value: 5 mg/m3

DNEL Derived No Effect Level
End Use: Public
Exposure Routes: Inhalation
potential health effects: long term systemic effects
Value: 0.43 mg/m3

DNEL Derived No Effect Level
End Use: General Public
Exposure Routes: Skin Contact
potential health effects: long term systemic effects
Value: 1.76 mg/m3

DNEL Derived No Effect Level
End Use: General Public
Exposure Routes Ingestion
Potential health effects: Long term systemic effects
Value: 0.25 mg/m3

(PNEC) Predicted No Effect Concentration (According to regulation EC No. 1907/2006)

Not applicable

8.2Exposure controls
Engineering controls: Use only in area provided with appropriate exhaust ventilation.

General Protective measures: Facilities storing or utilizing this material should be equipped with an eyewash facility.

Remove contaminated clothing immediately
Do Not inhale gas/fumes/vapour/aerosol
Avoid contact with eyes, skin and clothing
Wash hands before and after work

Individual protection measures

Eye/face protection: Safety glasses with side-shields. EN 166. Eye protection worn must be compatible with any respiratory protection system employed.

Skin protection
Hand protection: The glove(s) listed below may provide protection against permeation. (Gloves of other chemically resistant materials may not provide adequate protection): Neoprene gloves or Nitrile rubber. Seek advice from glove suppliers

Body Protection
Protective clothing

Respiratory protection:
With adequate ventilation, not normally required

When respiratory risks cannot be avoided or sufficiently limited by technical means of collective protection or by measures, methods or procedures of work organization, use certified respiratory protection equipment meeting EU requirements (89/656/EEC, 89/686/EEC), or equivalent,

Environmental Precautions
Prevent from getting into the soil surface water and drains

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Viscous liquid
Colour	Colourless or pale yellow
Odour	Not significant
Odour Threshold	No data available
pH	No data available
Melting point/range	-42- =4 °C @ 1.013 hPa

Boiling point (760 mmHg)	No data available
Flash point	> 150°C
Decomposition Temperature	No Data
Flammability	No Data
Lower explosion limit	Not applicable
Upper explosion limit	Not applicable
Vapor Pressure	0.000001 hPa
Relative Vapor Density (air = 1)	<1.0000 Water
Relative Density (water = 1)	0.932g/cm3
Water solubility	0.001g/l (20°C)

Partition coefficient: n- octanol/water	No Data
Auto-ignition temperature	> 200 °C
Viscosity (Dynamic)	75-100 mPa.s
Explosive properties	Not explosive
Oxidizing properties	Not applicable

9.2 Other information No data available

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available

10.2 Chemical stability: Stable if used according to specifications

10.3 Possibility of hazardous reactions:

Danger of spontaneous combustion of rags cloths or inert absorbent material soaked in material
Stable under recommended storage conditions

10.4 Conditions to avoid:
Conditions to avoid: Danger of spontaneous combustion of rags cloths or inert absorbent material soaked in material Avoid contact with heat sparks impact, friction and static discharge
Thermal decomposition: avoid heat

10.5 Incompatible materials:
Materials to avoid: Strong oxidizing agents

10.6 Hazardous decomposition products: No data available

In case of fire hazardous composition products may be produced such as carbon oxides, and acrolein.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicological information appears in this section when such data is available.

11.1 Information on toxicological effects

Acute toxicity

Product

Acute oral toxicity	LD50, Rat, > 5,000 mg/kg
Acute dermal toxicity	LD50, Rabbit, > 2,000 mg/kg
Acute inhalation toxicity:	Data not available
Skin corrosion/irritation:	No skin irritation
Serious eye damage/eye irritation:	No eye irritation
Sensitization	None

Specific Target Organ Systemic Toxicity (Single Exposure)
No data available

Specific Target Organ Systemic Toxicity (Repeated Exposure)
Product test data not available.

C**arcinogenicity**

Effects on fertility:	Species: Rat Application route Oral NOAL. 1000 mg/kg Method OECD Test Guideline 422
Effects on Fetal development	Application route: Oral 1150mg/kg Method OECD Test Guideline 422
STOT -single exposure	No data available
STOT -repeated exposure	No data available

Repeated dose toxicity
Species: Rat
NOAEL: 1000mg/kg
Application Route: Oral
Method OECD Test Guideline 422

Aspiration toxicity	No data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity
Toxicity to fish
LC50, Fish > 1mg/l
Exposure time 96h
Toxicity to daphnia and other aquatic invertebrates
EL50 (algae) 100mg/l
Exposure time 72 h

Toxicity to bacteria
EC50. 100mg/l
Exposure time: 3h

12.2 Persistence and degradability
Not readily biodegradable

12.3 Bio accumulative potential
No data available

12.4 Mobility in soil
Distribution among environmental compartments:

Adsorption/soil
Medium soil
logKoc >4.96

12.5 Results of PBT and vPvB assessment Not relevant

12.6 **Other adverse effects.** No data available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

General information	The generation of waste should be minimized or avoided wherever possible. Re-use or recycle products wherever possible. This material and its container must be disposed of in a safe way. Avoid release to the environment.
Disposal methods	Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal

SECTION 14. TRANSPORT INFORMATION

Classification for ROAD and Rail transport (ADR/RID):

14.1 UN number	Not regulated as a dangerous good
14.2 Proper shipping name	Not regulated as a dangerous good
14.3 Class	Not regulated as a dangerous good
14.4 Packing group	Not regulated as a dangerous good
14.5 Environmental hazards	Not considered environmentally hazardous based on available data.
14.6 Special precautions for user	Not regulated as a dangerous good

Classification for SEA transport (IMO-IMDG):

14.1 UN number	Not regulated as a dangerous good
14.2 Proper shipping name	Not regulated as a dangerous good
14.3 Class	Not regulated as a dangerous good
14.4 Packing group	Not regulated as a dangerous good
14.5 Environmental hazards	Not considered as marine pollutant based on available data.
14.6 Special precautions for user	Not regulated as a dangerous good

14.7 Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code

Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO):

14.1 UN number	Not regulated as a dangerous good
14.2 Proper shipping name	Not regulated as a dangerous good
14.3 Class	Not regulated as a dangerous good
14.4 Packing group	Not regulated as a dangerous good
14.5 Environmental hazards	Not regulated as a dangerous good
14.6 Special precautions for use	Not regulated as a dangerous good

15.1 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

The components of this product are reported in the following inventories:

REACH	On the inventory or in compliance with the inventory
TSCA	All components of this product are in the Canadian DSL
DSL	On the inventory or in compliance with the inventory
AICS	On the inventory or in compliance with the inventory
NZioC	On the inventory or in compliance with the inventory
ENCS	On the inventory or in compliance with the inventory
ISHL	On the inventory or in compliance with the inventory
KECCI	On the inventory or in compliance with the inventory
PICCS	On the inventory or in compliance with the inventory
IECSC	On the inventory or in compliance with the inventory

15.2 Chemical Safety Assessment

Not applicable

SECTION 16. OTHER INFORMATION

Key to abbreviations or acronyms use in this SDS

AICS Australia
DSL Canada
IECSC China
REACH EU
ENCS Japan
ISHL Japan
KECI Korea
NZioC New Zealand
PICCS Philippines
TSCA USA

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.