

Artists' Materials Since 1859

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### Copper Plate Oil (TNL 1700 – 1705)

#### 1. Identification

Copper plate oil

Alternative names Linseed stand oil/Heat polymerised linseed oil

#### 2. Composition/Information on Ingredients

A naturally occurring triglyceride vegetable oil derived from the seed of the flax plant *Linum usitatissimum* which has been refined and polymerised.

#### 3. Hazards Identification

There are no critical hazards which warrant special labelling. Care should be taken when handling hot oil as it may constitute a burns hazard.

#### 4. First-Aid Measures

Eye contact	Flush eye with water or approved eye wash solution. Seek medical advise should irritation occur and persist.
Skin contact	Wash with warm soapy water.
Inhalation	Not applicable. There are no appreciable vapours at ambient temperatures.
Ingestion	Do not induce vomiting. Give water or milk to drink and seek medical advice.

#### 5. Fire-Fighting Measures

The oil is not classed as flammable, but in fire conditions will burn to give a dense acrid smoke. In large fires, inform the fire brigade that they are dealing with 'chip shop' type fire and their experience will guide them in their approach.

Extinguishing media	Use dry powder, foam or carbon dioxide. Never use water as this may float the oil and spread the fire.
Protective equipment for Fire-fighters	Standard.

## 6. Accidental Release Measures

Avoid contact with eyes, skin and clothes. Note that spillage constitute a slippage hazard. Contain spillage with sand or earth, sweep up and dispose of in accordance with a recognised method of waste disposal. There is a danger that cloths or rags used to clean up a spill, or even any absorbent material may spontaneously combust. Any cloths or rags soaked in oil should ideally be burnt. If this is not possible they should be washed in warm soapy water and disposed of without crumpling. Absorbents should be sprayed with water prior to disposal.

## 7. Handling and Storage

Normal working practice should be employed. Store in a cool, dry place. Avoid contact with copper or copper containing alloys, e.g. brass.

## 8. Exposure Control and Personal Protection

Use in accordance with good industrial practice. Wear suitable eye protection if there is a risk of splashing.

## 9. Physical and Chemical Properties

Physical form	Liquid
Colour	Pale yellow
Odour	Slight and characteristic
pH of aqueous solution	Not applicable
Boiling point	Not determined
Melting point	Not determined
Viscosity	dependent on grade, 1.0 poise – 2000 poise @ 25 °C
Flash point	Greater than 230 °C
Flammability solid/gas	Not applicable
Autoflammability	Not applicable
Explosive properties	Not applicable
Oxidising properties	Not applicable
Vapour pressure	Negligible
Density	Dependent on grade, 0.94 – 1.00 @ 15.5 °C
Water solubility	Insoluble
Other solubility	Soluble in aromatic and aliphatic hydrocarbon solvents
Bulk density	Dependent on grade, 940 – 1000 @ 15.5 °C
Partition coefficient octanol/water	Not determined
Explosive limits	Not determined

## 10. Stability and Reactivity

Thermal decomposition	Stable under normal conditions of use. A complex mixture of irritating fumes in fire conditions.
Hazardous reactions	Danger of spontaneous combustion of rags, cloths or inert absorbent soaked in oil. Ensure these materials are dealt with properly (see accidental release measures).

## 11. Toxicological Information

Oral	No specific data. Expected to be non-toxic.
Dermal	Non-toxic. Prolonged and repeated contact may cause slight irritation.
Inhalation	Not applicable at ambient temperature.
Eye contact	Unlikely to cause irritation.

## 12. Ecological Information

Biodegradation	Expected to be ultimately biodegradable.
Fish toxicity	No data, but not expected to be harmful.
Bacterial toxicity	No data, but not expected to be harmful.

## 13. Disposal Considerations

Dispose of according to a recognised method of chemical waste disposal.

## 14. Transport Information

UN number	Not assigned
IMDG code/class	Non hazardous
ICAO/IATA (air) class	Non hazardous
RID/ADR class	Non hazardous
ADNR class	Non hazardous

## 15. Regulatory Information

Not applicable.

## 16. Other Information

*The information provided on this sheet is based on our knowledge of the product concerned at the date of issue. It is provided in good faith. Users should also bear in mind that risks may arise when a product is put to uses other than those for which it is destined.*