



Material Safety Data Sheet

Boiled Linseed Oil

Edition: 7/3/2010

1) Identification of substance/preparation and of the company undertaking

Material Boiled Linseed Oil
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2) Composition

Oxidatively polymerised linsed oil containing small quantities of metal driers which act as drying agents. The metal content is less than 0.1% w/w. Hazardous components (metal carboxylates - content quoted as % metal): Cobalt (Xi R38 R43) 0.010% Strontium (Xi R38 0.007%) and Manganese (Xi R38 0.004%).

3) Hazard Identification

Not regarded as a health or environmental hazard under current legislation.

Physical and Chemical Hazards Cloth or rags soaked with linseed oil should be washed out and stored flat before being reused or disposed of to avoid possibility of spontaneous combustion.

4) First Aid Measures

Inhalation Not Relevant

Ingestion Never make an unconscious person vomit or drink fluids. Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5) Fire Fighting

Extinguishing media Although not classed as flammable, this material will burn in fire conditions. DO NOT try to put out large fires. Small fires: Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

Special fire fighting procedures Do not use water

Specific hazards Dense acid smoke.

Protective measure in fire Wear self-contained breathing apparatus and full protective clothing.

6) Accidental Release

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Do not contaminate water sources or sewer. There is a danger that cloths or rags used to clean up a spill, or absorbent material, may spontaneously combust. Any cloths or rags soaked in preserver should ideally be burnt. If this not possible they should be washed in warm soapy water and disposed of without crumpling. Absorbents should be sprayed with prior to disposal.

7) Handling/Storage

Usage Avoid spilling, skin and eye contact.
Storage Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid contact with copper or copper containing alloys.

8) Exposure Controls

Engineering measures Provide adequate general and local exhaust ventilation.
Hand protection Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.
Eye protection If risk of splashing, wear safety goggles or face shield.
Other protection Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures Do not smoke in the work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9) Physical/Chemical Properties

Appearance Liquid
Colour Yellow Dark Red brown
Odour Characteristic
Solubility Insoluble in water Soluble in Aliphatic hydrocarbons.
Aromatic solvents
Boiling point >200°C (760 mm Hg)
Relative density 0.942 (15.5 °C)
Flash point >230°C
Auto ignition temperature >200°C

10) Stability/Reactivity

Stability Stable under normal temperature conditions.
Conditions to avoid Danger of spontaneous combustion of rags cloths or inert absorbent soaked in oil. Ensure these materials are dealt with properly (see accidental release measures)
Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

11) Toxicological Info

Skin contact Prolonged and repeated contact may cause slight irritation.
Health warnings No specific health warnings noted.

12) Ecological Information

Ecotoxicity Not regarded as dangerous for the environment.

13) Disposal Consideration

Disposal methods Dispose of waste and residues in accordance with local authority requirements.

Waste class Wood preservative not otherwise specified.

14) Transport Information

Rail transport Not Classified.

Sea transport Not Classified.

Road transport Not Classified.

Air transport Not Classified.

15) Regulatory Information

Risk phrases NC Not classified.

Safety phrases S2 Keep out of the reach of children

S28 After contact with skin, wash immediately with plenty of water.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Statutory instruments Chemicals (Hazard Information and Packaging) Regulations.

Guidance notes Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

16) Other Information

This information is for health and safety guidance only, is not a material specification, and does not constitute the user's own assessment of suitability, and workplace risk as required by any other Health and Safety legislation. It is accurate to the best of our knowledge and belief, but since the conditions of handling and use are outside our control we make no guarantee of results, and assume no liability for damages incurred by use of this material.