

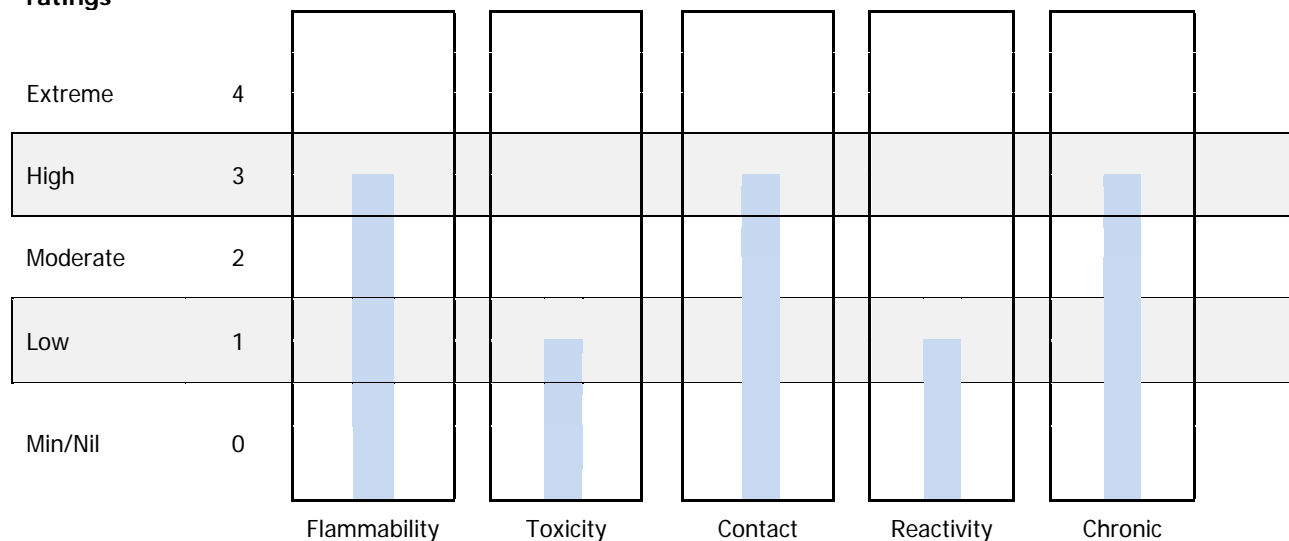


Material Safety Data Sheet

1. Identification of the substance or mixture and of the supplier:

Product name:	OleoCote M100-50W	
Product identifier/synonyms:	Alkyd resin, synthetic polymer, solvent-based	CAS# preparation EC# not assigned
Product description:	Alkyd resin dispersed in solvent medium	
Intended use:	Industrial and decorative coatings	
Manufacturer:	Industrial Oleochemical Products, (Pty) Ltd., 323 Chamberlain Road, Jacobs, 4052, KZN, South Africa Tel: +27-(0)31-4618680, Fax:: +27-(0)31-461-3743	
Emergency telephone number:	031-461-8721 (Monday-Friday 08.00 to 16.30hr) 031-461-8680 (after normal working hours) 082-852-5383 (medical emergencies)	

Hazard ratings



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2. Hazard identification:

This substance is **classified as hazardous** according to South African National Standard SANS 10234:2007, Globally Harmonized System of classification and labelling of chemicals (GHS).

This substance is classified as **irritating and harmful to the environment** in the Annex I of Directive 67/548/EEC according to ESIS (European Chemical Substances Information System).

Flammability:

Hazard category	Criteria	Hazard communication elements		
Class 3	Flash point >23°C <60°C		Warning	Flammable liquid

3. Composition/information on ingredients:

Substance/preparation:		Substance			
Ingredient name:	CAS no.	EC no.	%	Exposure limits	
xylene	1330-20-7	601-022-9	0-5	OEL 100ppm	TWA (US) 45 mg/m ³
Low aromatic white spirits	64742-82-1	265-185-4	>50	100ppm	350 mg/m ³
Alkyd resin	Not assigned	Not assigned	40-70	Not assigned	

4. First aid measures:

Inhalation: hot vapours	Remove patient from exposure into fresh air. Keep person warm and at rest. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If unconscious, place in a recovery position and get medical attention immediately.
Ingestion:	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Wash out mouth with water. Remove dentures, if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel, due to risk of aspiration.
Skin contact:	Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes before reuse.
Eye contact:	Remove contact lenses, if any. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Obtain medical attention if irritation persists.

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5. Fire fighting measures:


Extinguishing media:	Water fog, foam, carbon dioxide, powder
Unsuitable extinguishing media:	Do not use water jets
Special fire-fighting protective equipment:	A self-contained breathing apparatus and suitable protective clothing must be worn in fire conditions with full face piece operated in positive pressure mode
Fire and explosion hazards:	Containers can burst in fire
Combustion products:	Thermal decomposition may produce fumes of carbon monoxide if burning
Explosion data	Can form explosive air/vapour mixtures
Sensitivity to mechanical impact:	Not to be expected
Sensitivity to static discharge:	Static discharge is a hazard

6. Accidental release measures:




Personal precautions:	<p>Keep away from heat and sources of ignition. The material is classified as flammable and is classified as an irritant and harmful to the environment.</p> <p>For small spills, good working practice suggests that safety goggles, and impervious gloves should be worn to protect eyes and skin.</p> <p>Respiratory protection should not be necessary if adequate ventilation is maintained. In the case of insufficient ventilation, use respiratory protection as described in Section 8 below or for large spills.</p> <p>For large spills, a self-contained breathing apparatus and suitable protective clothing must be worn with full face piece operated in positive pressure mode</p>
Environmental precautions:	Avoid dispersal of spilt liquid and run-off and contact with soil, waterways, drains and sewers. Material is harmful to aquatic organisms.
Clean up methods:	<p>For small spills, add absorbent (soil may be used in the absence of any other materials). Scoop up material and place in a sealable, container for disposal.</p> <p>For large spills, evacuate the immediate area and call emergency personnel.</p> <p>Dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Add absorbent (soil may be used in the absence of any other materials). Do not use saw dust as an absorbent.</p> <p>Scoop up material and place in a sealable, container for disposal.</p> <p>Wash the spillage area with water and detergent.</p> <p>The appropriate regulatory body must be alerted to spillages of uncontrolled discharges into watercourses.</p>

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7. Handling and storage:

Handling:	<p>Ensure the use of personal protective equipment (see Section 8) Handle and open container with care.</p> <p>Keep away from heat and sources of ignition. The material is combustible but not classified as flammable. Wash thoroughly after handling.</p> <p>Do not eat and drink or smoke while handling this material.</p>	
Storage:	<p>Store in original containers and keep containers tightly closed until ready for use. Store in a cool, dry, well-ventilated place. Note that storage under cool conditions may cause an increase in viscosity</p>	
Incompatible materials:	<p>Separate from reactive substances, oxidizing agents</p>	

8. Exposure controls/personal protection:

Occupational exposure limit values:					
Chemical name	Type of limit	Limit value		Short-term exposure	
xylene	OEL	100ppm	-	-	-
Low aromatic white spirits	OEL	100ppm		-	-
Engineering measures:	Maintain air concentrations below occupational exposure standards. Use local area ventilation when concentrations are likely to exceed occupational exposure levels.				
Eye protection:	Good working practice suggest that safety goggles be used				
Skin protection:	Good working practice suggest that Impervious PVC gloves, overalls/dust coat, face shield be used				
Respiratory protection:	Respiratory protection is not required if good ventilation is maintained. If concentrations are likely to rise above the occupational exposure limit, use organic vapour cartridge respirator				

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9. Physical and chemical properties:

Appearance:	Clear yellow viscous liquid @ 25°C,
Odour:	Characteristic, solvent odour
Odour threshold:	No data
pH:	Not applicable
Melting/freezing point:	-47°C to +14°C
Initial boiling point/range:	162°C
Flash point:	40°C (closed cup)
Evaporation rate:	0.2 (butyl acetate=1)
Flammability:	Flammable
Flammable limits:	Lower: 0.6% Upper: 7%.
Vapour pressure:	370 Pa (20°C)
Vapour density:	No data available
Relative density:	0.95-0.97 (25°C)
Solubility:	Insoluble in water.
Partition coefficient n-octanol/water:	No information available
Autoignition temp:	>235°C
Decomposition temp:	>300°C
Viscosity:	300 mPa.s (25°C)

10. Stability and reactivity:

Stability:	Stable under normal ambient and anticipated storage and handling conditions. No stabilizers are added or deemed necessary. Could generate static-use earthing
Conditions to avoid:	Excessive heating.
Hazardous reactions:	None known. No reaction with fire-fighting water
Materials to avoid:	Strong oxidizing/reducing agents.
Hazardous decomposition products:	Thermal decomposition will evolve irritant vapours, carbon monoxide and carbon dioxide.
Hazardous polymerization:	Not likely to occur


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11. Toxicological information:

Acute toxicity:

Hazard category	Criteria	Hazard communication elements		
Oral 4	LD ₅₀ oral >500 mg/kg (>300-<2000 mg/kg)	!	Warning	Harmful if swallowed
P264 P270 P301+P312 P330	Wash thoroughly after handling Do not eat, drink or smoke when using this product If swallowed, call a poison centre or doctor/physician if you feel unwell Rinse mouth			
Dermal 2	LD ₅₀ dermal No data	!	Warning	Causes skin irritation
P264 P280 P302+P352 P332 P362	Wash thoroughly after handling Wear protective gloves/protective clothing/eye protection/face protection If on skin, wash with plenty of water If skin irritation occurs, get medical advice/attention Take off contaminated clothing and wash before re-use			
Inhalation 4	LC ₅₀ inhalation >10 to ≤20 mg/kg (12 mg/L)	!	Warning	Harmful if inhaled
P261 P271 P304+P340 P312	Avoid breathing vapours Use only outdoors or in a well ventilated area IF INHALED, remove to fresh air and keep at rest in a position comfortable for breathing Call a poison centre or doctor/physician if you feel unwell			
Skin corrosion/irritation:				
Hazard category	Criteria	Hazard communication elements		
Irritation 2	No data	!	Warning	Causes skin irritation
P264 P280 P302+P353 P321 P332+P313 P362	Wash skin thoroughly after handling Wear protective gloves and face protection IF ON SKIN, rinse skin with water/shower Specific treatment (see first aid instructions in Section 4) If skin irritation occurs, get medical advice/attention Take off contaminated clothing and wash before re-use			

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Serious eye damage/eye irritation:				
Hazard category	Criteria	Hazard communication elements		
Eye 2A	No data		Warning	Causes serious eye irritation
P264 P280 P305+P351+P338 P337+P313	Wash eyes thoroughly after handling Wear protective eye protection IF IN EYES, rinse cautiously with water for several minutes, remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention			
Respiratory sensitizer:				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Skin sensitizer:				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Germ cell mutagenicity:				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Carcinogenicity:				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Toxic to reproduction:				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				

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Specific target organ toxicity: single exposure				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Specific target organ toxicity: repeated exposure				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Specific target organ toxicity: repeated exposure				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				
Aspiration hazard:				
Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
No precautionary statements				

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12. Ecological information:

Aquatic toxicity (acute)

Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available		Warning	Harmful to aquatic environment
P273 P501	Avoid release to the environment Dispose of contents /containers to a licensed facility			

Aquatic toxicity (chronic)

Hazard category	Criteria	Hazard communication elements		
No information is available	No information is available	No symbol	No information	No information
	No precautionary statements			

Persistence and degradability:

Type	Concentration	Degradation
No information is available	No information is available	No information is available

Bioaccumulative potential:

This product exhibits a positive potential for bioaccumulation
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Mobility in soil:

No information is available

13. Disposal considerations:

Methods of disposal:

The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material or runoff and contact with soil, waterways, drains, and sewers. Disposal of product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
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Contaminated packaging:

Empty containers retaining product residue. Do not distribute, make available or reuse empty container except for storage and shipment of original product. Remove all product residue from container before disposal according to local regulations.

Hazardous waste:


This material is considered harmful to the aquatic environment.

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14. Transport information:

Special precautions for user:

This product is classified as hazardous goods according to SANAS 10228:2003

UN number	U.N. Proper shipping name	Transport hazard class	Packaging group	Environmental hazards	Special precautions
1866	Resin solution: flammable	3	III	Harmful to the aquatic environment	

15. Regulatory information:

EU regulations:	Considered irritating and harmful to the environment (Directive 67/548/EEC).
International regulations:	
United States (TSCA):	Listed TSCA 8(b):
Canada (DSL):	Listed CEPA DSL:
Australia AICS):	No information available
WGK:	1

16. Other information:

This data sheet was prepared in accordance with the Globally Harmonized System of classification and labeling of chemicals (SANS 10234:2007)

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Compiled by:	J.Crawley (Technical Services Manager)

Notice to reader:

To the best of our knowledge of this substance and on current EC and international regulations, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries or agents assumes liability whatsoever for the accuracy or completeness of the information contained herein.

References:

European Chemical Substances Information System (ESIS)