MATERIAL SAFETY DATA SHEET

Solv-Tints

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Solv-Tints
Product type:	Interior / Exterior solvent-borne stain additive
Supplier:	**TIMBERLIFE (PTY) LTD** P O Bo 73117, Lynnwood Ridge 0040, South Africa Tel: + 27 12 803 8595 Fax: + 27 12 803 8462 E-mail: timberlife@icon.co.za Website: www.timberlife.co.za
Hazchem code:	3YE
UN no:	1268

2. COMPOSITION / INFORMATION ON INGREDIENTS

Solv-Tints is a blend of transparent iron oxide pigments in an organic solvent carrier consisting of medium aliphatic and light aromatic petroleum solvents.

Chemical nature and use:

SOLV-TINTS are organic solvent-based stain additives consisting of high quality transparent iron oxides pigments.

SOLV-TINTS provide non-leachable, UV resistant and long lasting colours that do not hide the wood grain. Excellent UV protection is also afforded when added to clear wood coating/finishing systems. Can therefore be used for interior and exterior applications.

Ideal for tinting solvent-borne wood coating/finishing products such as "**SATINWOOD 28/28 BASE", "SATINWOOD GLOSS", "KHUNI SEALER"** and **"ULTRACARE GOLD"** to various shades of brown: Mahogany, Oregon, Golden Brown, Teak, Oak, Dark Oak and. Walnut.

3. HAZARD IDENTIFICATION:

Main hazard:	Flammable if heated
Chemical hazard:	Gives off carbon monoxide in a fire – keep upwind. Can react with oxidizing agents. Can form explosive mixture with air when heated.

Health effects:

Eye contact:	Can be irritating and cause redness and pain.
Skin contact:	Prolonged contact can cause irritation and reddening/itching of skin.
Inhalation:	Irritation to nose and throat. May cause headache, drowsiness, nausea and difficulty in breathing.
Ingestion:	May cause nausea, vomiting, respiratory difficulties, headache and diarrhoea.

4. FIRST AID MEASURES

Eye contact:	Flush with plenty of water for at least 15 minutes (remove contact lenses). Obtain medical advice.
Skin contact:	Remove contaminated clothing and drench affected skin with plenty of water. Wash with soap and water.
Ingestion:	Give 250 ml of bland fluid (milk or water) to drink. If unconscious, keep warm. Get medical help immediately. **Do not induce vomiting of give anything by mouth to an unconscious person.**
Inhalation:	Move to fresh air. Keep patient warm and administer oxygen. Administer artificial respiration if person stops breathing. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Fire fighting media:	CO_2, foam, dry chemicals.
Special hazards:	Gives off carbon monoxide in a fire – keep upwind. Can form explosive mixture with air. Beware of re-ignition. Keep container(s) cool with water spray. Floats on water.
Protective clothing:	Chemical protection suit, including breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Wear protective clothing, keep upwind.
Environmental precautions:	Prevent substance entering watercourses and sewers.
Small spills:	Absorb spillage in earth or sand. Use flameproof equipment at incident site. Stop leaks if without risk. Wash spillage site thoroughly with water and detergent.
Large spills:	Absorb spillage in earth or sand. Use flameproof equipment at incident site. Stop leaks if without risk. Wash spillage site thoroughly with water and detergent. Dike far ahead of liquid spill for later disposal.

7. HANDLING AND STORAGE

Suitable material:	Mild steel and HDPE tanks or drums. Store in area that is adequately ventilated.
Handling/Storage precautions:	Product should be stored in covered or closed containers in areas that are adequately ventilated. Storage conditions must be controlled to prevent overheating and pressure build-up in containers. No ignition sources. Use non sparking hand tools. Do not use compressed air for load transfer. Static electricity dangers will be present during emergency load transfer.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits:	TLV = 100 ppm
Engineering control measures:	Use in well ventilated area and/or provide local exhaust ventilation at the site of release. Where possible, pump directly from storage container to process containers. Use spark proof equipment.
Personal protection:	
Respiratory:	Not necessary under normal conditions. Airline respirator if TLV exceeds.
Hand:	PVC gloves
Eye:	Industrial safety glasses with side shield, safety goggles or face shield if splashing is possible.
Skin:	Overalls or PVC apron. Protective creams can be worn.
Other protection:	A high standard of personal hygiene is essential. Hands should be washed before smoking, eating, drinking or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Organic liquid
Colour:	Tints of brown
Odour:	Aromatic
pH:	Not applicable
Boiling point @ 760 mm Hg:	> 154°C (IBP)
Flash point (closed cup):	41°C (ASTM D – 93)
Flammability:	Flammable if heated
Auto-ignition temperature:	Not available
Explosive properties:	Hazard exists when exposed to heat or flame
Oxidizing properties:	Non oxidizing
Vapour pressure @ 20°C:	< 20 mm Hg
Density @ 20°C;	0,95 – 1,15 kg/ℓ
Solubility in water:	Insoluble

10. STABILITY AND REACTIVITY

Stability;	Stable under normal conditions
Conditions to avoid :	Overheating, sparks, open flame.
Incompatible materials:	Strong oxidizers. Incompatible with sulfuric acid, nitric acid, caustic, aliphatic amines and amides.
Hazardous decomposition products:	Carbon monoxide. Hazardous polymerization of product will not occur.

11. TOXICOLOGICAL INFORMATION:

Oral toxicity:	LD 50 (Rat)	=	>2000 mg/kg
Dermal toxicity:	LD 50 (Rabbit)	=	>2000 mg/kg
Inhalation toxicity:	LC 50 (Rat)	=	>5 mg/ℓ
Acute toxicity:	Exposure to high concentrations of vapour may cause nausea and headaches.		
Skin and eye contact:	Skin and eye irritant		
Chronic toxicity	No chronic effects have been reported		

12. ECOLOGICAL INFORMATION

Aquatic toxicity:	May be toxic to aquatic life
Biodegradability:	Not available
Bio-accumulation:	None
Mobility:	Not available

13. DISPOSAL CONSIDERATIONS

Disposal methods:	**Solv-Tints** may be disposed of in sealed containers in a secure sanitary landfill or use in an enclosed, controlled burner as fuel.
Disposal of packaging:	Offer for recycling or puncture and dispose of in a secure sanitary landfill

14. TRANSPORT INFORMATION

UN no.:	1268 (Combustible liquid, N.O.S.)
ADR/RID:	3
IMDG/IMO:	3
ICAO/IATA:	3
Packaging group:	III
Road/Rail transport:	Organic, liquid, flammable
Sea transport:	Organic, liquid, flammable Potential marine pollutant
Air transport:	Organic, liquid, flammable

15. REGULATORY INFORMATION

EC hazard classification: Xn

Risk phrases:	**:**	Flammable
R 20/22	**:**	Harmful by inhalation and if swallowed.
R 36/37/38	**:**	Irritating to eyes, respiratory system and skin.
R 43	**:**	May cause sensitisation by skin contact.
R 51	**:**	Toxic to aquatic organisms.
Safety phrases:		
S 2	**:**	Keep out of reach of children.
S 23	**:**	Do not breathe vapour/spray.
S 24/25	**:**	Avoid contact with skin and eyes.
S 26	**:**	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S 36/37/38	**:**	Wear suitable protective clothing, gloves and eye/face protection.
S 61	**:**	Avoid release to the environment.

National legislation: Not available

16. OTHER INFORMATION

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct.

It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

Compiled: October 2005