2021

SMI TRADING T/A SILKWOOD

SILKWOOD

Regd. Trademark

REACH

SAFETY & HAZARD

SMI TRADING

REG.NO. CK 84/06684/23

SAFETY DATA SHEET

Contents

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SAFETY DATA SHEET

SECTION 1

Identification of the substance/mixture and of the company/undertaking.

1.1 Product Names: SILKWOOD M2 & M7
Further Names: Alkyd Resin Solution

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
Uses of the substance/mixture Chemicals for Wood Varnish Intermediate.

1.3 Details of the Supplier of the Safety Data Sheet:
Manufacturer/Supplier:

Company Name:	SMI Trading
Address:	P.O. Box 260787 Excom 2023
	South Africa
Telephone:	(+27)12 668 1069
Facsimile:	(+27)12 668 1071
E-Mail:	smi@smianalytical.com

1.4 Emergency Number: (+27)82 556 8557

National Poison Centre:(+27)86 155 5777

SECTION 2

Hazards identification.

2.1 Classification of the Substance or Mixture

Please observe the information on the data sheet at all times.

2.2 Label Elements

Classification according to Regulation (EC) No 1272/2008

This product is classified and labelled according to CLP pictograms

SECTION 3

Composition/ information on ingredients.

Material Name: Low Aromatic White Spirits

Synonyms: LAWS

CAS NO.: 64742-82-1

EINECS NO. 265-185-4

Concentration: 50.0% Mass

Material Name: Long Oil Alkyd RLA-70

Synonyms: RLA70

Concentration: 50.0% Mass

Hazardous Components:

Chemical Name	CAS	EINECS	Concentration
1,2,4-Trimethyl Benzene	95-63-6	202-436-9	1,30-5,9% mass
1,3,5-Trimethyl Benzene	108-67-8	203-604-4	0,40-2,0% mass
Ethylbenzene	100-41-4	202-849-4	<=0,20%mass

SECTION 4

First aid measures

1. **Inhalation:** Remove to fresh air. If rapid recovery does not occur, obtain medical assistance.

2. **Skin Contact:** Remove contaminated clothing. Wash with soap or suitable cleaning material agent. In severe cases seek medical advice.

3. **Eye Contact:** Flush eyes with copious quantities of water. If persistant irritation occurs seek medical assistance. If wearing contact lenses, remove before flushing of the eye. Never wear contact lenses at the workplace.

4. **Ingestion:** If swallowed do not induce vomiting., transport to nearest medical facility for additional treatment.

5. **Advice to Physician**: Causes central nervous depression. Dermatitis may occur from prolonged or repeated exposure. Potential for chemical pneumonitis. Call a doctor or poison control for guidance.

SECTION 5

Fire fighting measures.

Evacuate fire area of all non-emergency/essential personnel.

5.1 Extinguishing Media

Suitable: Use carbon diaoxide, foam or fog. Powder should only be used for small fires. For major fires call local fire service.

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Unsuitable: Direct water jet. Do not discharge extinguishing by products into aquatic environments.

5.2 Special hazards arising from the substance or mixture.

In the case of a fire toxic gases such as carbon monoxide, carbon dioxide , non-combusted hydrocarbons and other particles may be released into the environment. Heavier than air solvent vapours may also be released and could diffuse through to lower levels such as underground pipes.
Do not expose product to naked flames or hot surfaces. Always work in a well ventilated area.

5.3 Advice for Firefighters.
Evacuate all non- essential/emergency personnel from the area. During firefighting wear full protective suit and self-contained respiratory mask. Apply water to keep tank surfaces or other containers cool if close to fire.
Additional information:
Firefighting residues and contaminated firefighting water should be disposed of in accordance with local regulations

COMBUSTION PRODUCTS Toxic fumes may evolve on burning or exposure to heat See Section 10

SPECIAL EXPOSURE HAZARDS Prolonged heat at above 200 deg C will cause combustion and decomposition which could irritate both the eyes and nasal passages.

SECTION 6

Accidental release measures.

6.1 Precautions,protective equipment and emergency proceedures.

Personal Precautions Take precautions against static discharges. Always wear Protective clothing. Do no inhale vapours .Avoid contact with skin or eyes. To avoid fire, eliminate ignition sources.
If ventilation is inadequate, use suitable mask for organic vapours.

6.2 Environmental Precaution

In the event of spillage, remove all sources of ignition and ensure good ventilation. Do not allow spilled product to penetrate the ground soil or sewer systems.

6.3 Methods and material for containment and cleaning up.

Spilled material may make surfaces slippery. Clean up spilled material immediately. Contain and recover spilled material using sand or other suitable inert absorbent material.
It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated .Large and uncontrolled spillages should be smothered with foam to reduce the risk of ignition. The foam blanket should be maintained until the area is declared safe .If product has leaked onto water surface remove by skimming or sucking.
Protect drains from potential spills to minimize contamination.
Do not wash product into drainage system . Dispose of spilled product according to local regulations.

SECTION 7

Handling and storage.

7.1 Precautions for safe handling

Store tightly sealed in an upright position in a cool,well ventilated area.
Always use in a well- ventilated area and keep away from sources of ignition and ensure all anti-static discharges are grounded .Modern and Good Manufacturing Practices should be followed so as to minimize the possibility of any incidents. When using do not eat, drink or smoke. Keep away from drains.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations and practices suitable for flammable liquids. Store in containers which are labelled and suitable for the product such as glass, stainless steel and lined steel. Ensure that the product in areas where spillage can occur can be contained, use bund walls to contain spillage. Avoid contact with strong acids, bases or oxidizing material.

7.3 Specific end use(s) See Section 1.

SECTION 8

Exposure controls and personal protection.

8.1 Control Parameters

For information purposes only on this document, the American Conference of Government Industrial Hygienists (ACGIH) value is provided.

Occupational Exposure Limits

The following is recommended as there are no occupational exposure standards:

Material	Source	Type	ppm	mg/m3
RCP Mineral Spirits 150-200	EU HSPA	TWA(8)		350mg/m3
Ethylbenzene	ACGIH	TWA	20	

Additional Information
Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Material	Source	Hazard Designation
Ethylbenzene	ACGIH	Confirmed animal carcinogen with unknown relevance to humans.

8.2 Exposure Controls

8.2.1 Hygiene measures

Potential exposure conditions will determine the level of protection and types of control necessary. Appropriate measures include explosion /flameproof structures/facilities for the use of the product .Eye washes and decontamination showers for emergency use.

8.2.2 Eye/Face Protection

Chemical/Safety Goggles complying with a suitable international standard (EU) must be used.

8.2.3 Hand Protection

Suitably chemical resistant gloves with an international standard should be worn and regularly replaced in accordance with the manufacturers instructions. The gloves should be preferably manufactured from nitrile rubber and after use. Hands must be washed and dried .Gloves must have a minimum thickness of 0.4mm. Gloves must be replaced at the first indication of wear and damage.
0.4mm.Gloves must be replaced at the first indication of wear or damage.

8.2.4 Protective Clothing

Chemically resistant overalls. Aprons and boots must be worn.

8.2.5 Respiratory Protection

If airborne concentration limits of vapours are exceeded, suitable respiration equipment must be worn.

SECTION 9

Physical chemical properties.

Appearance	Clear amber liquid
Odour	Aliphatic petroleum solvent
Specific Gravity	0,84-0,86 kg/l
Flash point	Greater than 40 degrees Celcius
Flammability	Flammable
Explosive properties	Not Explosive
Oxidising properties	Not Oxidising
Solubility in water	Insoluble

SECTION 10

Stability and reactivity.

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical Stability

The product is stable**.**

10.3 Possibility of hazardous substance

No hazardous reactions if handled and in accordance with instructions. Contained in safety data sheet. Will react with strong oxidizing agents.

10.4 Conditions to avoid

Keep away from heat ,open flames, sources of ignition and poorly ventilated areas.

10.5 Incompatible materials

Avoid contact with strong oxidizing agents, concentrated acids and alkalis.

10.6 Hazardous decomposition products

The product will not decompose under normal conditions. Thermal decomposition will lead to a complex mixture of gases liquids and solids of which carbon monoxide, carbon dioxide and various organic compound will be present.

SECTION 11

Toxicological information.

Information on toxicological effects

General information:

Prolonged or repeated contact with high vapor concentrations can lead to headaches, dizziness, drowsiness and in extreme cases unconsciousness.

Acute toxicity

Toxicological details of the mixture are derived from the volatile components of the carrier solvent which is contained in the safety data sheet of that product.

CAS No	Chemical Name
64742-82-1	Low Aromatic White Spirits (LAWS)

Exposure Route	Dose	Species
Oral	Low Toxicity LD50 > 2000mg/kg	Rat
Dermal	Low Toxicity LD50 > 2000mg/kg	Rat
Inhalation	Low Toxcity LC50 greater than near-saturated vapour concentration/4 hours	Rat

Irritation/Corrosion

Skin:

Prolonged exposure can cause skin irritation, cracking and dermatitis.

Sensitiser/ Skin:

Not a skin sensitizer.

Respiratory:

Inhalation of the vapours may cause irritation to the respiratory system.

Eye damage/irritation:

The mixture is not classified as irritating.

Mutagenicity:

Not mutagenic.

Carcinogenicity:

Limited evidence on carcinogenic effect. (ethylbenzene)

Reproductive toxicity:

Not expected to impair fertility.

Development toxicity:

Not expected to impair development.

SECTION 12

Ecological information.

12.1 Toxicity

Acute and chronic toxicity details are derived from the volatile components of the carrier solvent which is contained in the safety data sheet of that product.

Acute Toxicity

Fish	Toxic LL/EL/IL50 1-10 mg/l
Aquatic Invertebrates	Toxic LL/EL/IL50 1-10mg/l
Algae	Toxic LL/EL/IL50 1-10mg/l
Microorganisms	Practically non- toxic LL/EL/Il50 > 100mg/l

Chronic Toxicity

Fish	NOEC/NOEL expected to be >0,1-<=1.0mg/l (based on modelled data)
Aquatic Invertebrates	NOEC/NOEL >0,1<+1,0mg/l (based on test data)

12.2 Persistence and degradability

Biodegrades rapidly by air oxidation.

12.3 Bioaccumulative potential

No information available for the mixture.

12.4 Mobility in soil

No information available for mixture. Floats on water, avoid spillage.

12.5 Results of PBT and vPvB assestment

PBT Not applicable.
vPvB Not applicable.

12.6 Other adverse effects

No known significant effects or hazards.

SECTION 13

Disposable considerations.

13.1 Waste treatment methods

Material disposal

Do not dispose of the mixture into the environment, drains or in water as it is a flammable, water insoluble viscous product.
Avoid generating waste and reuse where possible. Dispose of surplus mixture via a licensed waste disposal contractor. Disposal should be in-accordance with local legislation.

Packaging disposal

Waste packaging should be recycled or disposed of via a licensed waste disposal contactor and in accordance with local legislation.

SECTION 14

Transport information

14.1 UN number

For ADR/RID,IMDG and IATA UN1866

14.2 UN proper shipping name

For ADR,IMDG and IATA 1866 Resin Solution

14.3 Hazard Class

For ADR,IMDG and IATA Class 3 Flammable liquids
Label 3

14.4 Packing group

For ADR,IDMG and IATA III

14.5 Environmental Hazard

No

14.6 Special Precautions for User

Warning Flammable Liquid
Danger Code (Kemler) 30
EMS No F-E,S-E

SECTION 15

Regulatory information.

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

This SDS has been compiled in accordance with Regulation(EU) No 1907/2006.

15.2 Chemical Safety Assessment

For this substance a chemical safety assessment has not been performed.

SECTION 16

Other information.

Notice to Reader

The information contained in this SDS is based on our present knowledge and data available to us and compiled from reliable sources. The information does not guarantee any specific product features and does not establish any legally valid contractual relationship. It is the responsibility of the end user to use the product in accordance with the recommendations as per the technical data sheet and the end user should comply with the handling, storage and other instructions in this safety data sheet.

The components in this product are manufactured outside countries that fall under REACH jurisdiction and are therefore identified by their respective CAS numbers.