

2021

**SMI  
TRADING  
T/A  
SILKWOOD**



**SILKWOOD**

Regd. Trademark

**REACH**  
**SAFETY & HAZARD**

# SMI TRADING

REG.NO. CK 84/06684/23

## SAFETY DATA SHEET

### Contents

SECTION 1 .....	3
Identification of the substance/mixture and of the company/undertaking. ....	3
SECTION 2 .....	4
Hazards identification. ....	4
SECTION 3 .....	4
Composition/ information on ingredients. ....	4
SECTION 4 .....	5
First aid measures .....	5
SECTION 5 .....	5
Fire fighting measures. ....	5
SECTION 6 .....	6
Accidental release measures. ....	6
SECTION 7 .....	7
Handling and storage. ....	7
SECTION 8 .....	7
Exposure controls and personal protection. ....	7
SECTION 9 .....	9
Physical chemical properties. ....	9
SECTION 10 .....	9
Stability and reactivity. ....	9
SECTION 11 .....	10
Toxicological information .....	10
SECTION 12 .....	12
Ecological information. ....	12
SECTION 13 .....	13
Disposable considerations. ....	13
SECTION 14 .....	13
Transport information .....	13

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

SECTION 15 .....	14
Regulatory information.....	14
SECTION 16 .....	14
Other information .....	14

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **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](mailto:smi@smianalytical.com)

##### **1.4 Emergency Number:(+27)12 668 1069**

National Poison Centre:(+27)86 155 5777



# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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:**

<b>Chemical Name</b>	<b>CAS</b>	<b>EINECS</b>	<b>Concentration</b>
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

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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 persistent 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 dioxide, foam or fog. Powder should only be used for small fires. For major fires call local fire service.

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

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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 procedures.**

##### **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.

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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.**

# SMI TRADING

REG.NO. CK 84/06684/23

## SAFETY DATA SHEET

### 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 carcinogen with unknown	ACGIH	Confirmed animal 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.

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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.

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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.

<b>CAS No</b>	<b>Chemical Name</b>
64742-82-1	Low Aromatic White Spirits (LAWS)

<b>Exposure Route</b>	<b>Dose</b>	<b>Species</b>
Oral	Low Toxicity LD50 > 2000mg/kg	Rat
Dermal	Low Toxicity LD50 > 2000mg/kg	Rat
Inhalation	Low Toxicity 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.

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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.



# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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 assessment**

PBT Not applicable.  
vPvB Not applicable.

##### **12.6 Other adverse effects**

No known significant effects or hazards.

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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 contractor 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,IMDG and IATA III

# **SMI TRADING**

**REG.NO. CK 84/06684/23**

## **SAFETY DATA SHEET**

### **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.