

# SAFETY DATA SHEET

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME

AUTOMOTIVE 2K POLYURETHANE CLEARCOAT

### MANUFACTURER'S NAME

POSA INDUSTRIES LIMITED

P.O. Box AN 15834, ACCRA NORTH GHANA

Tel. #: 011233302909276

Email: info@posaind.com

### Telephone Numbers and Websites

<b>Product Information</b>	011233302909276
<b>Regulatory Information</b>	011233302909276
<b>Medical Emergency</b>	Call nearest hospital
<b>Transportation Emergency</b>	011233302909276

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapour Pressure
<b>10</b>	<b>78-93-3</b>	<b>Methyl Ethyl Ketone</b>		
		ACGIH TLV	200 PPM	90.6 mm
		ACGIH TLV	300 PPM STEL	
		OSHA PEL	200 PPM	
		OSHA PEL	300 PPM STEL	
<b>16</b>	<b>110-43-0</b>	<b>Methyl n-Amyl Ketone</b>		
		ACGIH TLV	50 PPM	3.855 mm
		OSHA PEL	100 PPM	
<b>22</b>	<b>123-86-4</b>	<b>n-Butyl Acetate</b>		
		ACGIH TLV	150 PPM	10 mm
		ACGIH TLV	200 PPM STEL	
		OSHA PEL	150 PPM	
		OSHA PEL	200 PPM STEL	

## SECTION 3 – HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of vapour or spray mist

EYE or SKIN contact with the product, vapour or spray mist

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKINS:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in section 2 may cause adverse chronic effects to the following organs or systems:

- The liver
- The urinary system
- The cardiovascular system
- The reproductive system

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapours or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized

### CANCER INFORMATION

For complete discussion of toxicology data refer to section 11.

### GHS PICTOGRAM



## SECTION 4 – FIRST AID MEASURES

**EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

**SKIN:** Wash affected area thoroughly with soap and water.

Remove contaminated clothing and laundry before re-use.

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 – FIRE FIGHTING MEASURES

### FLASH POINT

20°F PMCC

### LEL

1.1

### UEL

10.0

### FLAMMABILITY CLASSIFICATION

RED LABEL-Extremely flammable, flash below 100°F(38°C)

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition, or explosion when exposed to extreme heat.

## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area.  
Remove with inert absorbent.

## **SECTION 7 – HANDLING AND STORAGE**

### **STORAGE CATEGORY**

DOL Storage Class 1B

### **PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE**

Contents are **EXTREMELY FLAMMABLE**. Keep away from heat, sparks and open flame. Vapours will accumulate readily and may ignite explosively.

During use and until all vapours are gone; Keep area well ventilated- Do not smoke- Extinguish all Flames, pilot lights, and heaters- Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code, Use approved bonding and grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labelling. Do not take internally.

Keep out of the reach of children.

## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **PRECAUTIONS TO BE TAKEN IN USE**

Use only with adequate ventilation.

Avoid contact with the skin and eyes. Avoid breathing vapour and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed “as dust” in section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits of the nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup>(respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup>(respirable fraction).

### **VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below the applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### **RESPIRATORY PROTECTION**

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapour/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### **PROTECTIVE GLOVES**

Wear gloves which are recommended by a glove supplier for protection against materials in Section 2.

### **EYE PROTECTION**

Wear safety spectacles with unperforated side shields.

### **OTHER PRECAUTIONS**

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

<b>PRODUCT WEIGHT</b>	8.06 lb/gal	965 g/l
<b>SPECIFIC GRAVITY</b>	0.97	
<b>BOILING POINT</b>	174-308 °F	78 – 153 °C
<b>MELTING POINT</b>	Not Available	
<b>VOLATILE VOLUME</b>	55%	
<b>EVAPORATION RATE</b>	Slower than ether	
<b>VAPOUR DENSITY</b>	Heavier than air	
<b>SOLUBILITY IN WATER</b>	Not Available	

### **VOLATILE ORGANIC COMPOUNDS (VOC Theoretical – As Packaged)**

3.86 lb/gal	463 g/l	Less Water and Federally Exempt Solvents
3.86 lb/gal	463 g/l	Emitted VOC

## SECTION 10 – STABILITY AND REACTIVITY

### **STABILITY – Stable**

#### **CONDITIONS TO AVOID**

None Known.

#### **INCOMPATIBILITY**

None Known.

#### **HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

#### **HAZARDOUS POLYMERIZATION**

Will not occur

## SECTION 11 – TOXICOLOGICAL INFORMATION

### **CHRONIC HEALTH HAZARDS**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Methyl Ethyl Ketone may increase the nervous systems effects of other solvents.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

### **TOXICOLOGICAL DATA**

CAS Number	Ingredient			
<b>78-93-3</b>	<b>Methyl Ethyl Ketone</b>	LC50 RAT	4HR	Not available
		LD50 RAT		2740 mg/kg
<b>110-43-0</b>	<b>Methyl n-Amyl Ketone</b>	LC50 RAT	4HR	Not Available
		LD50 RAT		1670 mg/kg
<b>123-86-4</b>	<b>n-Butyl Acetate</b>	LC50 RAT	4HR	2000 ppm
		LD50 RAT		13100 mg/kg

## SECTION 12 – ECOLOGICAL INFORMATION

### **ECOTOXICOLOGICAL INFORMATION**

No data available

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

### **WASTE DISPOSAL METHOD**

Waste from this product may be hazardous as defined under the Resource conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial/Regional, and Local regulations regarding pollution.

**POSA INDUSTRIES LIMITED**