

**MATERIAL SAFETY DATA SHEET
IN ACCORDANCE WITH 91/155/EEC**

Date of issue: 07.09.2007

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1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY:

KULAC LSU 14W/55

UNITED OIL PROJECTS Co. KSC
SHUAIBA INDUSTRIAL AREA
WESTERN SECTOR, BLOCK 4,
ST. NO. M.A. 7, PLOT NO. 47

TEL: 23263297 / 23263497

FAX: 23260179

EMERGENCY NO.

TEL: 23263297 / 23263497

2. PRODUCT COMPOSITION / INFORMATION ON INGREDIENTS:

Solvent base urethenated alkyd resin in White Spirit at 55% solids.

White Spirit % by weight:	45±2
Urethenated Alkyd resin % by weight:	55±2
Hazard Symbol:	Xn
CAS Number(White Spirit)	64742-88-7
CAS Number(Alkyd)	68333-62-0
EEC Number:	265-191-7
Risk phrases:	R10/R22/R38/R51/R53/R65

3. HAZARDS IDENTIFICATION:

Flammable and harmful liquid. If heated, the product produces toxic vapours, which air-mixed, could develop flammable mixtures.

4. FIRST AID RECOMMENDATIONS:

Eye contact: Irritating. Wash with plenty of water and obtain medical attention.
Skin contact: Wash with plenty of water and soap.
Ingestion: If accidentally swallowed, obtain medical advice immediately. Do not induce vomiting. Material in contact with lungs can damage the lungs.

5. FIRE FIGHTING PROCEDURES:

Extinguishing products: Dry chemical powder/foam. Isolated fire can also be extinguished with atomized water. Spray with water for cooling the exposed surfaces and for personal protection.

6. ACCIDENTAL RELEASE MEASURES

Mark the spillage area. Cut down the source of leakage, if there is no danger and eliminate possible risk of ignition. Ventilate the area. Avoid breathing vapours. Apply safety measures detailed in paragraphs 7 & 8. Stop and collect the spillage with non flammable absorbent materials.

If there is a major spillage, advise the inhabitants in the neighbourhood (wind direction) about the risk of fire and explosion.

Prevent the waste product from entering drains and water ducts. Inform the authorities. Prevent environmental contamination.

7. HANDLING AND STORAGE:

Handling: Wear gloves and adequate clothing. If the product is hot while handled, wear appropriate safety mask and goggles.

Storage: Keep the product at room temperature, perfectly closed and stored in well ventilated and dry places.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION:

Wear protective clothing, goggles and safety mask. Take off all contaminated clothing.

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9. PHYSICAL AND CHEMICAL PROPERTIES:

-Appearance	viscous liquid
-Colour	amber
-Odor	solvent like
-pH	NA
-Boiling point	155°C – 200°C
-Solidification point	0°C
-Flash point	Approx. 40° C
-Ignition temperature	230°C
-Explosive limits	LEL: 0.7% by vol., UEL: 5.0% by vol. [White Spirits]
-Water solubility	Insoluble
-Density @ 25°C	0.910 ± 0.01
-Vapour pressure	0.5kPa @ 20°C [White Spirits]
-Specific Gravity	± 0.910 g/cm ³ at 25°C
-Viscosity @ 25°C	Z ₁ – Z ₃

10. STABILITY AND REACTIVITY:

Thermal decomposition: None if handled appropriately
 Hazardous decomposition products: None if handled appropriately.
 Hazardous reactions: None if stored and handled adequately. Avoid strongly oxidant agents.

11. TOXICOLOGICAL INFORMATION:

White Spirits irritation data (std Draize): skin, rabbit, 500mg, severe.
 Oral rat LD50:> 500mg/kg

12. ECOLOGICAL INFORMATION:

Prevent spillage from filter into drains, watercourses or soil, if this occurs, advice the authorities.

13. DISPOSAL CONSIDERATIONS:

Disposal must be made in accordance with applicable governmental regulations, and it must be disposed off in a permitted hazardous waste disposal facility. Disposal of drums must be followed in a controlled and regulated way.

14. TRANSPORT INFORMATION:

Road and Rail ADR/TPC-RID/TPF		Class: 3 Label: 3 Flammable Hazard label: 30	Item: 31(c)
Sea IMDG	Page: 3379	Class: 3.3 Marine pollutant: Package group: III	UN No. 1866
Air ICAO/IATA		Class: Package group: III Label: 3 Flammable	UN No. 1866

15. REGULATORY INFORMATION

Labeling according to the EEC:		
Hazard symbol:	Xn.	Harmful
R PHRASES:	10:	Flammable.
	22:	Harmful if swallowed.
	38:	Irritating to skin.
	51/53:	Toxic to aquatic organisms, may cause long term adverse effects on the aquatic environment.
	65:	Harmful, may cause lung damage if swallowed.
S. PHRASES:	23:	Do not breathe vapours.
	24:	Avoid contact with skin
	62:	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET IS ACCURATE TO THE BEST OF OUR KNOWLEDGE AND THEY ARE NOT MEANT TO GUARANTEE SPECIFIC PROPERTIES OF THE PRODUCT.