

## MATERIAL SAFETY DATA SHEET

|                                |                      |                   |
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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

|                                |   |
|--------------------------------|---|
| Trade Name                     | <b>ROL CER METAGEAR EP 220</b>                    |
| Manufacturer's/Supplier's Name | Universal Projects Factory for Petroleum Products |
| Street Address                 | Office No. 618, Akharia Building 2, Olaya         |
| City                           | Riyadh, Kingdom of Saudi Arabia                   |
| P. O. Box                      | 58704   |
| Emergency Telephone No.        | +966 11 4191741                                   |

### SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

| <u>Components</u>                | <u>Weight %</u> |
|----------------------------------|-----------------|
| Highly refined Mineral Base Oils | >97             |
| Performance Additives            | <3              |

### SECTION 3: HAZARDOUS IDENTIFICATION

#### Emergency Overview

May cause eye irritation  
May cause an allergic skin reaction

#### Potential Health Effects

|            |   |
|------------|---|
| Eyes       | The eye irritation potential of this substance has not been determined.   |
| Skin       | This substance may cause skin irritation on prolonged or frequently repeated contact. The skin sensitization potential of this product has not been determined. The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin. |
| Inhalation | The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if inhaled.   |
| Ingestion  | If swallowed, this substance is considered practically non-toxic to internal organs.<br>(See Section XI for Toxicological Information)  |

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#### SECTION 4: FIRST AID MEASURES

|              |   |
|--------------|---|
| Eye Contact  | Flush eyes with water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing and continue flushing for at least 15 minutes. Get medical attention if irritation persists.   |
| Skin Contact | No specific first aid measures are required because this material is not expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse. |
| Inhalation   | No specific first aid measures are required because this material is not expected to be harmful if inhaled. If exposed to excessive levels of material in the air, move the exposed to fresh air. Get medical attention if coughing or respiratory discomfort occurs.           |
| Ingestion    | If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting.   |

#### SECTION 5: FIRE FIGHTING MEASURES

##### Flammable Properties

|                                |                             |
|--------------------------------|-----------------------------|
| Flash point (°C) and Method    | 240 °C (COC), Typical Value |
| Auto Ignition Temperature (°C) | Not Estimated               |

##### Flammability Limits

Upper Explosive Limit (% Vol) Not applicable

Lower Explosive Limit (% Vol) Not applicable

Extinguishing Media Carbon Dioxide, Foam, Dry Chemical and Water Fog

Combustion Products Normal combustion forms carbon dioxide and water vapour and may produce oxides of sulfur and phosphorus. Incomplete combustion can produce carbon monoxide.

Fire Fighting Instructions For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

TDG Flammability

|                                |                      |                   |
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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Accidental Release Measures

Stop the source of the leak or release. Clean up release as soon as possible. Contain liquid to protect further contamination of soil, surface water or ground water. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

## SECTION 7: HANDLING AND STORAGE

Do not weld, heat or drill container. Replace cap or bung. Emptied container still contains material which may ignite with explosive violence if heated sufficiently.

Avoid contact with eyes, skin and clothing.

Storage Requirements                      Keep container closed to avoid contamination with moisture or water.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls

Use closed system where possible to avoid eye and skin exposure.

### Personal Protective Equipment

|            |   |
|------------|---|
| Eyes       | Wear chemical goggles   |
| Skin       | Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.          |
| Inhalation | If operating conditions result in airborne mists or vapours of this material, the use of an approved respirator is recommended. |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                         |                             |
|-------------------------|-----------------------------|
| Odour/Appearance        | Clear & Bright liquid       |
| Form                    | Liquid                      |
| Boiling Point           | Not applicable              |
| Vapour Density          | Not applicable              |
| Density @ 15.6 °C, Kg/L | 0.898 (Typical Value)       |
| Pour Point °C           | -12 (Typical Value)         |
| Solubility (Water)      | Negligible                  |
| Viscosity, cSt          | 220 @ 40 °C (Typical Value) |

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### SECTION 10: STABILITY AND REACTIVITY

|                                       |  |
|---------------------------------------|--|
| Conditions to avoid                   | No data available                      |
| Chemical stability                    | Stable                                 |
| Hazardous decomposition products      | No data available                      |
| Incompatibility with other substances | May react with strong oxidizing agents |
| Hazardous polymerization              | Polymerization will not occur          |

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Additional Toxicological Information

This product contains petroleum base oils which may be refined by various process including severe solvent extraction, severe hydrocracking or severe hydrotreating.

None of the oils require a cancer warning under OSHA, NTP and IARC.

|               |                                      |
|---------------|--------------------------------------|
| Eyes          | Practically non-irritating           |
| Skin          | Practically non-irritating           |
| Oral Toxicity | No product toxicology data available |
| Inhalation    | Do not cause respiratory irritation  |

### SECTION 12: ECOLOGICAL INFORMATION

|                |   |
|----------------|---|
| Eco Toxicity   | Poor soluble mixture. Practically non-toxic to aquatic organisms. |
| Biodegradation | No data available   |

### SECTION 13: DISPOSAL CONSIDERATIONS

Place contaminated materials in disposable containers and dispose off in a manner consistent with applicable regulations. Contact local environmental or health authorities for disposal of this material.

Do not weld, heat or drill container. Replace cap or bung. Emptied container still contains material which may ignite with explosive violence if heated sufficiently.

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**SECTION 14: TRANSPORT INFORMATION**

General Information                      Not dangerous for conveyance under UN, IMO, ADR/RID and IATA/ICAO codes

**SECTION 15: REGULATORY INFORMATION**

Not Applicable

**SECTION 16: OTHER INFORMATION****DISCLAIMER**

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