



1. Identification of the substance/preparation and company/undertaking

1.1 Identification of the substance or mixture

Product name Energol RC 68

SDS no. 401847

1.2 Use of the substance/mixture Compressor lubricant
NOTE: This product should not be used in compressors producing breathable air.
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

1.3 Company/undertaking identification

Supplier BP Petrolleri A.Ş.
Sarı Kanarya Sokak No:14 K2 Plaza
34742 Kozyatağı, İstanbul
TURKEY

Telephone: 0216 5712800
Fax: 0216 5712950

E-mail address MSDSadvise@bp.com

1.4 Emergency telephone number

EMERGENCY TELEPHONE NUMBER BP Access Line: 0 212 473 27 27
Carechem: +44 (0) 1235 239 670 (24 hours)

2. Composition/information on ingredients

Substance/preparation

Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.

This product does not contain any hazardous ingredients at or above regulated thresholds.

3. Hazards identification

This preparation is not classified as dangerous according to Directive 1999/45/EC as amended and adapted.

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

4. First-aid measures

Eye contact In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms appear.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

5. Fire-fighting measures

Extinguishing media

Suitable In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

Not suitable Do not use water jet.

Unusual fire/explosion hazards Poorly maintained compressors may be a potential fire and explosion hazard. Regular maintenance is essential.

Special fire-fighting procedures None identified.

Protection of fire-fighters Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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6 . Accidental release measures

Personal precautions - For non-emergency personnel

Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).

Personal precautions - For emergency responders

Environmental precautions

Large spill

Small spill

Reference to other sections

See Section 1 for emergency contact information.
See Section 5 for firefighting measures.
See Section 8 for information on appropriate personal protective equipment.
See Section 12 for environmental precautions.
See Section 13 for additional waste treatment information.

7 . Handling and storage

7.1 Handling

Wash thoroughly after handling.

Handling - Advice on general occupational hygiene

7.2 Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Not suitable

Prolonged exposure to elevated temperature.

7.3 Specific uses

For specific application advice see appropriate Technical Data Sheet or consult our company representative.

8 . Exposure controls/personal protection

8.1 Occupational exposure limits

This product does not have any assigned OELs.

8.2 Exposure controls

8.2.1 Occupational exposure controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

8.2.1.1 Respiratory protection

Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure.

In case of insufficient ventilation, wear suitable respiratory equipment.

Respiratory protective equipment must be checked to ensure it fits correctly each time it is worn.

Air-filtering respirators, also called air-purifying respirators, will not be adequate under conditions of oxygen deficiency (i.e. low oxygen concentration), and would not be considered suitable where airborne concentrations of chemicals with a significant hazard are present. In these cases air-supplied breathing apparatus will be required.

Provided an air-filtering/air-purifying respirator is suitable, a filter for particulates can be used for mist or fume. Use filter type P or comparable standard. A combination filter for particles and organic gases and vapours (boiling point >65°C) may be required if vapour or abnormal odour is also present due to high product temperature. Use filter type AP or comparable standard.

8.2.1.2 Hand protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves.

Protective gloves will deteriorate over time due to physical and chemical damage. Inspect and replace gloves on a regular basis. The frequency of replacement will depend upon the circumstances of use.

8.2.1.3 Eye protection

Safety glasses with side shields.

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Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

8.2.2

9 . Physical and chemical properties

9.1 General information

9.1.1 Appearance

Physical state Liquid.
Colour Amber.

9.1.2 Odour Oily.

9.2 Important health, safety and environmental information

Flash point Closed cup: 205°C (401°F) [Pensky-Martens.]
Viscosity Kinematic: 68 mm²/s (68 cSt) at 40°C
Pour point -18 °C
Density 883 kg/m³ (0.883 g/cm³) at 15°C
Solubility insoluble in water.
Partition coefficient (LogKow) >3

9.3 Other information Not available.

10 . Stability and reactivity

10.1 Conditions to avoid

10.2 Materials to avoid

10.3

11 . Toxicological information

Acute toxicity

Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Unlikely to cause harm to the skin on brief or occasional contact but prolonged or repeated exposure may lead to dermatitis.

Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

At normal ambient temperatures this product will be unlikely to present an inhalation hazard because of its low volatility. May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.

Chronic toxicity

Chronic effects

Carcinogenic effects

Mutagenic effects

Developmental effects

Fertility effects

Effects and symptoms

Eyes No significant health hazards identified.

Skin No significant health hazards identified.

Inhalation No significant health hazards identified.

Ingestion No significant health hazards identified.

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12 . Ecological information

12.1 Ecotoxicity

12.2 Environmental hazards Not classified as dangerous.

12.3 Mobility Spillages may penetrate the soil causing ground water contamination.

12.4 Persistence/degradability Not available.

12.5 Bioaccumulative potential This product is not expected to bioaccumulate through food chains in the environment.

Other ecological information Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

13 . Disposal considerations

Refer to all national, regional, and local regulations for disposal requirements

14 . Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADR/RID Classification	Not available.	Not available.			----	
ADN/ADNR Classification	Not available.	Not available.			----	-
IMDG Classification	Not regulated.	-	-	-	----	-
ICAO/IATA Classification	Not regulated.	-	-	-	----	-

PG* : Packing group

15 . Regulatory information

Classification and labelling have been performed according to EU directive 1999/45/EC as amended and adapted and Regulation on classification, packaging and labelling of Hazardous materials and preparations (26.12.2008-27092).

Label requirements

Hazard symbol or symbols

Indication of danger

Risk phrases

This product is not classified according to EU legislation.

Additional warning phrases

Safety data sheet available for professional user on request.

Other regulations

REACH Status

United States inventory (TSCA 8b)

All components are listed or exempted.

Australia inventory (AICS)

All components are listed or exempted.

Canada inventory

All components are listed or exempted.

China inventory (IECSC)

All components are listed or exempted.

Japan inventory (ENCS)

All components are listed or exempted.

Korea inventory (KECI)

All components are listed or exempted.

Philippines inventory (PICCS)

All components are listed or exempted.

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16 . Other information

History

Date of issue/ Date of revision 9/29/2011.

Date of previous issue No previous validation.

Prepared by Product Stewardship

Notice to reader

✔ Indicates information that has changed from previously issued version.

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken. You can contact the BP Group to ensure that this document is the most current available. Alteration of this document is strictly prohibited.

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