SAFETY DATA SHEET

GALREX EP 220

Compilation date: 18/05/2022

Revision No: 01

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: DUCKHAMS GALREX EP 220

Product code: 6503P

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: Lubricants, Greases, release products

1.3. Details of the supplier of the safety data sheet

Company name: Energia Private Limited
14-C,
2nd Floor,
3rd Stadium Lane,
DHA Phase V,
Karachi,
Pakistan.
Tel: 0092-2135842019 / 0092-2135842020
Email: technical@energiaoils.com

1.4. Emergency telephone number

Emergency tel: 0092-2135842019 / 0092-2135842020

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

Most important adverse physio- chemical effects: Combustible liquid.

Most important adverse human health effects: Prolonged or repeated skin contact with the material will remove natural oils and could lead to dermatitis.

Most important adverse physio- chemical effects: No specific risk for the environment.

2.2. Label elements

Label elements: This product has no label elements.

Hazard Statement: EUH 210-Safety data sheet available on request

2.3. Other hazards

During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water. Avoid prolonged contact with used motor oil. Overexposure to oil mist may cause respiratory irritations. Oil mist deposited on surfaces may cause slip hazard.

Section 3: Composition/information on ingredients

3.2. Mixtures

The product is a mixture. Health hazard information is based on its ingredients

Chemical name	EC-No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP] / GHS	REACH Registration Number
Distillates (petroleum), hydrotreated heavy paraffinic	-	64742-54-7	50% - 100%	**	-

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346.

** - Substances for which there are Community workplace exposure limits

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove contaminated clothing and shoes. Never use kerosine or gasoline for cleaning the skin.

Eye contact: Rinse immediately with plenty of water. Seek medical attention if irritation develops.

Ingestion: Seek medical attention immediately. Do not induce vomiting.

Inhalation: Move to fresh air. If you feel unwell, seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: Symptoms of overexposure to vapours include drowsiness, weakness, headache, dizziness nausea, vomiting, dimming of vision.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, Use CO2, dry chemical or foam, Water spray or fog, Cool containers / tanks with water spray.

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In the event of fire and/or explosion do not breathe fumes. Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Thermal decomposition can lead to release of irritating gases and vapors. This material creates a fire hazard because it floats on water.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid.

6.2. Environmental precautions

Environmental precautions: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Avoid release to the environment. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

6.4. Reference to other sections

Reference to other sections: Refer to section 8/12/13 for Additional information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Keep away from sources of ignition. Keep in a cool ventilated area. No naked lights. No smoking. Use only in well ventilated areas. Avoid release to the environment. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with soap and water before leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): Lubricants, Greases, release products

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Chemical name	Exposure limits
Distillates (petroleum), hydro treated heavy paraffinic	TWA: 5 mg/m³ STEL: 10 mg/m³

Legend

(s) skin, TWA – Time Weighted Average, STEL – Short term Exposure Limit, Ceiling – Ceiling value,

Engineering Measures - Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Engineering controls should be considered as the first line of protection against adverse exposure to harmful substances. Administrative controls and PPE should be used in the absence of engineering controls or as supplemental controls where engineering controls are insufficient in reducing specific exposures to an acceptable level.

Eye Protection - Safety glasses with side-shields.

Hand Protection

For operations where prolonged or repeated skin contact may occur, impervious gloves should be worn. The following glove type may be suitable for handling this product. Protective gloves complying with EN 374.

Nitrile rubber	Glove thickness => 0.38 mm Break through time => 480 min
Butyl rubber	Glove thickness => 0.64 mm Break through time => 480 min

Glove material suitability will vary depending on specific use conditions. Consideration should be given to variables such as operational characteristics, anticipated contact time, task requirements and other factors relevant to the selection of PPE. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion. Any specific glove information provided is based on published literature and glove manufacturer data. Gloves should be replaced regularly and if there is any sign of damage to the glove material.

Skin and body protection - Long sleeved clothing.

Respiratory protection - No special protective equipment required. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

This information is based on the state in which the specific product is delivered and on the intended use specified within this SDS. This information is provided based on literature reference, manufacturer specifications and recommendations and/or derived by analogy with similar substances. The level of protection and types of exposure controls will vary depending on potential exposure conditions.

Hygiene measures

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

Environmental Exposure Controls

No special environmental precautions required.

Thermal hazards

None under normal use

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Oily liquid

Colour: Brown

Odour: Light odour of petroleum origin

Flash Point: 242 °C

Solubility in water: Insoluble

Kinematic viscosity /cSt: 18.7 @100 °C ASTM D445

Melting point/ range / °C: -9

Flash point / °C: 242 °C / 467.6 °F ASTM D 92

Relative density: 0.9017 @ 15 °C

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Keep away from open flames, hot surfaces and sources of ignition, Extremes of temperature and direct sunlight

10.5. Incompatible materials

Materials to avoid: Strong oxidizing agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values: Product does not present an acute toxicity hazard based on known or supplied information.

Symptoms / routes of exposure

Skin contact: Prolonged or repeated skin contact with the material will remove natural oils and could lead to dermatitis.

Eye contact: Slight eye irritant upon direct contact.

Ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Inhalation: Inhalation of vapours may cause respiratory irritation.

Section 12: Ecological information

12.1. Toxicity

No specific Eco toxicity data on this product available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bio accumulative potential

Bio accumulative potential: Not determined.

12.4. Mobility in soil

Mobility: It is to be expected small mobility in soil. Some or a few components may get into the soil and may cause pollution of ground water. Product spreads on the water surface.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: May contaminate water supplies

Section 13: Disposal considerations

13.1. Waste treatment methods

NB: Dispose in a safe manner in accordance with local/national regulations.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Australian Inventory of Chemical Substances (AICS): All components are in compliance with chemical notification Requirements in Australia.

USA Toxic Substances Control Act (TSCA): All components of this material are on the US TSCA Inventory or are exempt.

Water Hazard Classification (Germany): Water Hazard Class: 1 - low hazard to waters.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.