

Safety data sheet according to Regulation (EC) No 1272/2008, Annex II

1. Identification

Material Name	Bauer-Kompressorenöl
Product Code	N22138
Product Use	Compressor oil
Uses Advised Against	This product must not be used in applications other than those recommended in Section 1, without first seeking the advice off the supplier.
Manufacturer/Supplier	BAUER KOMPRESSOREN GmbH, Stäblistraße 8, D-81477 München Telefon +49(0)89-78049-0, Telefax +49(0)89-78049-167
Emergency Telephone Number	Telefon +49(0)89-78049-0

2. Hazards Identification

Emergency Overview	Appearance and Odour: Light brown. Liquid at room temperature. Slight hydrocarbon. Health Hazards: Not classified as dangerous for supply or conveyance. Safety Hazards: Not classified as flammable but will burn. Environmental Hazards: Not classified as dangerous for the environment.
Health Hazards	Not expected to be a health hazard when used under normal conditions.
Inhalation	Under normal conditions of use, this is not expected to be a primary route of exposure.
Skin contact	Prolonged or repeated skin contact without proper cleaning can clog the pores of the skin resulting in disorders such as oil acne/folliculitis.
Eye contact	May cause slight irritation to eyes
Ingestion	Low toxicity if swallowed
Other Information	Used oil may contain harmful impurities.

Signs and Symptoms	Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhoea.
Aggravated Medical Conditions	Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin.
Environmental Hazards	Not classified as dangerous for the environment
Additional Information	Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

3. Composition/information on ingredients

Chemical Identity	Distillates (petroleum), hydrotreated heavy naphthenic, CAS No. 64742-52-5 Concentration 60.00 – 100.00 %
Additional Information	Highly refined mineral oils and additives. The highly refined mineral oil contains <3% (w/w) DMSO-extract, according to IP346

4. First aid measures

General Information	Not expected to be a health hazard when used under normal conditions.
Inhalation	No treatment necessary under normal conditions of use. If symptoms persist, obtain medical advice.
Skin contact	Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.
Eye contact	Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Ingestion	In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

Advice to Physician

Treat symptomatically.

5. Firefighting measures

Suitable extinguishing media

CO2, Extinction powder, Foam

Unsuitable extinguishing media

High volume water jet

Special hazards arising from the substance or mixture

In case of fire the following can develop:
Oxides of carbon, Oxides of nitrogen, Toxic pyrolysis products,
Hot product gives off combustible vapours

Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire: Full protection, if necessary. Cool container at risk with water. Dispose of contaminated extinction water according to official regulations.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure sufficient supply of air. Avoid contact with eyes or skin. If applicable, caution – risk of slipping.

Environmental precautions

If leakage occurs, dam up. Resolve leaks if this possible without risk. Prevent from entering drainage system. Prevent surface and ground-water infiltration, as well as ground penetration. If accidental entry into drainage system occurs, inform responsible authorities.

Methods and material for containment and cleaning up

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

7. Handling and storage

General recommendations

Ensure good ventilation. Avoid formation of oil mist. Do not heat to temperatures close to flash point. Do not carry cleaning cloths soaked in product in trouser pockets. Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use.

Notes on general hygiene measures at the workplace	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.
Conditions for safe storage, including any incompatibilities	Store product closed and only in original packing. Not to be stored in gangways or stair wells. Do not store with oxidizing agents. Solvent resistant floor. Store in a well ventilated place. Protect from direct sunlight and warming.
Specific end use(s)	No information available at present.

8. Exposure controls/personal protection

Appropriate engineering controls	Ensure good ventilation. This can be achieved by local suction or general air extraction. If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn. Applies only if maximum permissible exposure values are listed here.
Individual protection measures, such as personal protective equipment	General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothing and protective equipment before entering areas in which food is consumed.
Eye/face protection	Tight fitting protective goggles (EN 166) with side protection, with danger of projections.
Skin protection/Hand protection	Chemical resistant protective gloves (EN 374) If applicable: Protective nitrile gloves (EN 374), Protective PVC gloves (EN374), Protective hand cream recommended. The breakthrough times determined in accordance with EN 374 Part 3 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time.
Skin protection – other	Protective working garments (e. g. safety shoes EN ISO 20345, long-sleeved protective working garments).
Respiratory protection	Normally not necessary.
Thermal hazards	If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection – No tests have been performed

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of mixtures, the resistance of glove materials can not be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

Environmental exposure controls

No information available at present.

9. Physical and chemical properties

Physical state	Liquid at room temperature
Colour	Light brown
Odour	Slight hydrocarbon
pH-value	Not applicable
Initial boiling point and boiling range	>280°C/536°F estimated value(s)
Pour point	Typical -30°C/-22°F
Flash point	Typical 240°C/464°F (COC)
Upper/lower Flammability	Typical 1-10 % (V) (based on mineral oil)
Auto-ignition temperature	>320°C/608°F
Vapour pressure	<0.5 Pa at 20°C/68°F (estimated value(s))
Specific gravity	Typical 0.902 at 15°C/59°F
Density	Typical 0.902 kg/m ³ at 15°C/59°F
Bulk density	Not determined
Solubility(ies)	Not determined
Water solubility	Negligible
Partition coefficient (n-octanol/water)	>6 (based on information on similar products)
Kinematic viscosity	Typical 155 mm ² /s at 40°C/104°F
Vapour density (air=1)	>1 (estimated value(s))
Electrical conductivity	This material is not expected to be a static accumulator
Evaporation rate (nBuAc=1)	Data not available

10. Stability and reactivity

Stability	Stable
Conditions to avoid	Extremes of temperature and direct sunlight.
Materials to avoid	Strong oxidizing agents
Hazardous Decomposition Products	Hazardous decomposition products are not expected to form during normal storage.

11. Toxicological information

Basis for Assessment	Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).
Acute toxicity, by oral route	Expected to be of low toxicity: LD50 > 5000mg/kg, Rat
Acute toxicity, by dermal route	Expected to be of low toxicity: LD50 > 5000mg/kg, Rabbit
Acute toxicity, by inhalation	Not considered to be an inhalation hazard under normal conditions of use.
Skin corrosion/irritation	Expected to be slightly irritating
Serious eye damage/irritation	Expected to be slightly irritating
Respiratory irritation	Inhalation of vapours or mists may cause irritation
Sensitisation	Not expected to be a skin sensitizer
Repeated Dose Toxicity	Not expected to be a hazard
Mutagenicity	Not considered a mutagenic hazard
Carcinogenicity	Not expected to be carcinogenic. Product contains mineral oils of types shown to be non-carcinogenic in animal skin-painting studies. Highly refined mineral oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC).
Reproductive toxicity	Not expected to be a hazard.

Additional Information

Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible.

12. Ecological information

Generell informations

Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. Unless indicated otherwise, the data presented is representative of the product as a whole, rather than for individual component(s).

Acute Toxicity

Poorly soluble mixture. May cause physical fouling of aquatic organisms. Expected to be practically non toxic: LL/EL/IL50 > 100 mg/l (to aquatic organisms) LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract. Mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations less than 1 mg/l.

Mobility

Liquid under most environmental conditions. If it enters soil, it will adsorb to soil particles and will not be mobile. Floats on water.

Persistence and degradability

Expected to be not readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment.

Bioaccumulative potential

Contains components with the potential to bioaccumulate.

Other Adverse Effects

Product is a mixture of non-volatile components, which are not expected to be released to air in any significant quantities. Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. Disposal considerations

Material Disposal

Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Container Disposal	Dispose in accordance with prevailing regulations, preferably to a recognized collector or contractor. The competence of the collector or contractor should be established beforehand.
Local Legislation	Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. Transport information

US Department of Transportation Classification (49CFR)	The material is not subject to DOT regulations under 49 CFR Parts 171-180
IMDG	This material is not classified as dangerous under IMDG regulations.
IATA (Country variations may apply)	This material is either not classified as dangerous under IATA regulations or needs to follow country specific requirements.

15. Regulatory information

Generell informations	The regulatory information is not intended to be comprehensive. Other regulations may apply to this material
Notification Status	EINECS – All components listed or polymer exempt. TSCA – All components listed. DSL – All components listed.

16. Other information

NFPA Rating (Health, Fire, Reactivity)	0, 1, 0
SDS Version Number	1.2
SDS Effective Date	02/05/2014
SDS Revisions	A vertical bar in the left margin indicates an amendment from the previous version.
SDS Regulation	The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
SDS Distribution	The information in this document should be made available to all who may handle the product

Disclaimer

The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.