



كونتيننتال الزيوت وزيوت التزييت م.م.ح Continental Oils & Lubricants F.Z.E.

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Identification of substance / preparation

PRODUCT: BRAX HYDARULIC AW 320
CHEM NAME: MIXTURE (SEE SECTION 2)
CHEM FAMILY: PETROLEUM HYDROCARBON;
HEALTH HAZARD: NON-HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS.

Application

GEAR LUBRICATING OIL

For specific application advice see appropriate Technical Data Sheet.

Company Identification

CONTINENTAL OILS AND LUBRICANTS FZE

P.O. Box 85637, RAK, U.A.E.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Composition

Highly Refined Hydrotreated Heavy Paraffinic

COMPOSITION	CAS NO.	PERCENT
Highly refined mineral oil (C15 - C50)	Mixture	70 - 99 %weight

3. HAZARDS IDENTIFICATION

This material is not considered to be hazardous, but should be handled in accordance with good industrial hygiene and safety practices.

4. FIRST-AID MEASURES

Eyes

Wash eye thoroughly with copious quantities of water, ensuring eyelids are held open. Obtain medical advice if any pain or redness develops or persists.



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Skin

Wash skin thoroughly with soap and water as soon as reasonably practicable. Remove heavily contaminated clothing and wash underlying skin.

Ingestion

If contamination of the mouth occurs, wash out thoroughly with water. Except as a deliberate act, the ingestion of large amounts of product is unlikely. If it should occur, do not induce vomiting; obtain medical advice.

Inhalation

If inhalation of mists, fumes or vapour causes irritation to the nose or throat, or coughing, remove to fresh air. If symptoms persist obtain medical advice.

Medical Advice

Treatment should in general be symptomatic and directed to relieving any effects.

5. FIRE-FIGHTING MEASURES

Use foam, dry powder or water fog. DO NOT USE water jets.

Fires in confined spaces should be dealt with by trained personnel wearing approved breathing apparatus.

Water may be used to cool nearby heat exposed areas/objects/packages. Avoid spraying directly into storage containers because of the danger of boil-over.

Combustion Products

Toxic fumes may be evolved on burning or exposure to heat.

See Stability and Reactivity, Section 10 of this Safety Data Sheet.

6. ACCIDENTAL RELEASE MEASURES

Contain and recover spilled material using sand or other suitable inert absorbent material.

It is advised that stocks of suitable absorbent material should be held in quantities sufficient to deal with any spillage which may be reasonably anticipated.

Spilled material may make surfaces slippery.

Protect drains from potential spills to minimize contamination. Do not wash product into drainage system.

In the case of large spills contact the appropriate authorities.

In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment.

Recover product from the surface. Protect environmentally sensitive areas and water supplies.

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes. If splashing is likely to occur wear a full face visor or chemical goggles as appropriate. Avoid frequent or prolonged skin contact with fresh or used product. Good working practices, high standards of personal hygiene and plant cleanliness must be maintained at all times. Wash hands thoroughly after contact. Use disposable cloths and discard when soiled. Do not put soiled cloths into pockets.

Storage Conditions



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Store under cover away from heat and sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

There is no appropriate occupational exposure limit for this material.
Ensure good ventilation.

Avoid, as far as reasonably practicable, inhalation of vapour, mists or fumes generated during use.

If vapors, mists or fumes are generated, their concentration in the workplace air should be controlled to the lowest reasonably practicable level.

Protective Clothing

Wear face visor or goggles in circumstances where eye contact can accidentally occur.

If skin contact is likely, wear impervious protective clothing and/or gloves.

Protective clothing should be regularly dry-cleaned. Change heavily contaminated clothing as soon as reasonably practicable; dry clean, launder and preferably starch before re-use. Wash any contaminated underlying skin with soap and water.

Respiratory Protection

Respiratory protection is unnecessary, provided the concentration of vapor, mists or fumes is adequately controlled.

The use of respiratory equipment must be strictly in accordance with the manufacturers' instructions and any statutory requirements governing its selection and use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Particulars	Values
Appearance	Bright & Clear
Density 15 ^o C g/cm ³	0.898
Flash Point (COC) ^o C	266
Kinematic Viscosity 40 ^o C mm ² /s	321.1
Kinematic Viscosity 100 ^o C mm ² /s	24.2
Viscosity Index	96
Pour Point ^o C	-15

10. STABILITY AND REACTIVITY



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Products of this type are stable and unlikely to react in a hazardous manner under normal conditions of use. Hazardous polymerization reactions will not occur. This material is combustible.

Materials to Avoid

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition products will vary with conditions. Incomplete combustion will generate smoke, carbon dioxide and hazardous gases, including carbon monoxide, hydrogen sulphide and oxides of sulphur and phosphorus.

11. TOXICOLOGICAL INFORMATION

Eyes

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

Skin

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

12. ECOLOGICAL INFORMATION

Comments about ecotoxicity:

Experimental data on the finished product are not available.

No information available for used product.

It is considered to present a little danger for aquatic life.

Mobility

Air: There is a slow loss by evaporation.

Soil: Given its physical and chemical characteristics, the product generally shows little mobility in the ground.

Water: The product is insoluble; it spreads on the surface of the water.

13. DISPOSAL CONSIDERATIONS

Where possible, arrange for product to be recycled.

Dispose of via an authorized person/ licensed waste disposal contractor in accordance with local regulations.

Incineration may be carried out under controlled conditions provided that local regulations for emissions are met.

14. TRANSPORT INFORMATION



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Road (ADR) / Rail (RID) :	Not regulated
Transport by barge (ADNR) :	Not regulated
Marine (IMO-IMDG) :	Not regulated
Air (ICAO / IATA) :	Not regulated

15. REGULATORY INFORMATION

Not classified as hazardous for supply.

This data sheet and the health, safety and environmental information it contains are considered to be accurate as of the date specified below. We have reviewed any information contained herein which we received from sources outside of Company. However, no warranty or representation, express or implied is made as to the accuracy or completeness of the data and information contained in this data sheet.

Health and safety precautions and environmental advice noted in this data sheet may not be accurate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license. The company shall not be responsible for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material.

16. OTHER INFORMATION

Explanations of R-phrases in section 2 :	R22 -- Harmful if swallowed
	R23/24/25 -- Toxic by inhalation, in contact with skin and if swallowed
	R33 -- Danger of cumulative effects
	R36/38 -- Irritating to eyes and skin
	R38 -- Irritating to skin
	R41 -- Risk of serious damage to eye
	R51/53 -- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
	R50/53 -- Very toxic to aquatic organisms, may cause long-term adverse effects in aquatic environment
	R52/53 -- Harmful to aquatic organisms, may cause long-term adverse effects in aquatic environment
	R62 -- Possible risk of impaired fertility



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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 us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The Continental Oils and Lubricants 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.

END OF MSDS