

Beck/Arnley Premium Mineral Based Hydraulic Fluid - MB7 (252-0027)

Revision date: 22.09.2020

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1. Identification**Product identifier**

Beck/Arnley Premium Mineral Based Hydraulic Fluid - MB7 (252-0027)

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Central hydraulic motor

Details of the supplier of the safety data sheet

Company name:	Beck/Arnley
Street:	2375 Midway Ln
Place:	Smyrna, TN 37167
Telephone:	615-220-3200
e-mail:	beckcustomerservice@DRiV.com
Internet:	www.beckarnley.com

Emergency phone number: INFOTRAC 1-800-535-5053**2. Hazard(s) identification****Classification of the chemical****Regulation (EC) No. 1272/2008**

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Label elements**Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**

Causes skin irritation

Causes serious eye irritation

Harmful to aquatic life with long lasting effects

Precautionary statements

Read label before use.

Wash hands thoroughly after handling.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

If skin irritation occurs: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Dispose of contents/container to of the disposal according to local regulations.

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

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Mixtures
Hazardous components

CAS No	Components	Quantity
64742-53-6	Baseoil - unspecified, Distillates (petroleum), hydrotreated light naphthenic	41.69 %
64742-55-8	Complex combination of hydrocarbons	26.17 %
64742-46-7	Distillates (petroleum), hydrotreated middle, Gasoil - unspecified	19.9 %
	2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with eicosyl 2-methyl-2-propenoate, hexadecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, octadecyl 2-methyl-2-propenoate, pentadecyl 2-methyl-2-propenoate, tetradecyl 2-methyl-2-propenoate and	10.39 %
72623-86-0	Baseoil - unspecified, Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based	5.188 %
128-39-2	2,6-di-tert-butylphenol	0.3221 %
	Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated	0.1281 %
94270-86-7	1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl	0.1281 %
268567-32-4	Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI)	0.1281 %

Further Information

According to EC directives or the corresponding national regulations there is no labeling obligation for this product.

4. First-aid measures
Description of first aid measures
General information

Self-protection of the first aider

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

Avoid breathing dust/fume/gas/mist/vapors/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

In case of troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water.

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Call a physician immediately.

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5. Fire-fighting measures**Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.
Carbon dioxide (CO₂). Dry extinguishing powder. Foam.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Non-flammable. Special exposure hazards arising from the substance itself, combustion products, resulting gases:
Carbon dioxide (CO₂). Carbon monoxide Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H₂S).

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. carbon black
In case of fire and/or explosion do not breathe fumes.
In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.
Use water spray/stream to protect personnel and to cool endangered containers.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fume/vapour/spray. Avoid contact with skin, eyes and clothes.
Use personal protection equipment. Special danger of slipping by leaking/spilling product.
Wear suitable protective clothing.
Wear respiratory protection when in the presence of vapor, dust, and aerosols.

Environmental precautions

Do not allow to enter into surface water or drains.
Prevent spread over a wide area (e.g. by containment or oil barriers).

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7
Personal protection equipment (PPE): see section 8
Disposal: see section 13 In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

Protect skin by using skin protective cream. Wash hands before breaks and after work.
Conditions to avoid: aerosol or mist generation.

Advice on protection against fire and explosion

No special measures are necessary.
When using do not smoke.
Fire class: B (DIN-/EN-Norms: EN2)

Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container tightly closed.
Keep away from heat. Keep/Store only in original container.

Hints on joint storage

Do not store together with: Food and fodder, Oxidizing agents.

Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater. Keep away from heat.

8. Exposure controls/personal protection

Control parameters

Exposure controls



Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.
Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. When using do not eat, drink or smoke.

Protect skin by using skin protective cream.
Keep away from food, drink and animal feedingstuffs.
Do not breathe vapor.

Eye/face protection

Suitable eye protection: goggles. In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable gloves.

Skin protection

Wear suitable protective clothing. In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Wear respiratory protection when in the presence of vapor, dust, and aerosols.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid
Color:	green
Odor:	characteristic

pH-Value:	not applicable	Test method DIN 51369
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Changes in the physical state

Melting point/freezing point:	not determined
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Boiling point or initial boiling point and boiling range:	not determined
Pour point:	~ -51 °C
:	DIN ISO 3016
Flash point:	~ 120 °C ISO 2592
Flammability	
Solid:	not applicable
Gas:	not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Auto-ignition temperature:	No data available
Self-ignition temperature	
Solid:	not applicable
Gas:	not applicable
Decomposition temperature:	not determined
Oxidizing properties	
Not oxidising.	
Vapor pressure: (at 20 °C)	<0,1 hPa calculated.
Density (at 15 °C):	~ 0,87 g/cm ³ DIN 51757
Water solubility: (at 20 °C)	practically insoluble
Solubility in other solvents	
Soluble in hydrocarbons (mineral oil.)	
Partition coefficient n-octanol/water:	not determined
Viscosity / kinematic: (at 40 °C)	~ 21,2 mm ² /s DIN 51562
Relative vapour density:	not determined
Evaporation rate:	not determined
Solvent separation test:	No data available
Solvent content:	none/none Solvents

Other information

Solid content: 0
none/none

10. Stability and reactivity

Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability: Stable
No thermal decomposition if properly stored / handled /transported.
Onset of decomposition at elevated temperatures (>300°C)

Possibility of hazardous reactions

Hazardous reactions: Will not occur
possible with strong oxidizing agents.
This product is stable under normal conditions. Hazardous reactions are unlikely.

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Conditions to avoid

none/none

Incompatible materials

Oxidizing agents, strong.

Hazardous decomposition products

none/none

Further information

No thermal decomposition if properly stored / handled /transported.

11. Toxicological information

Information on toxicological effects

Acute toxicity

No data available.

Irritant effect on the respiratory tract: Do not breathe gas/vapor.

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
64742-55-8	Complex combination of hydrocarbons				
	oral	LD50 > 5000 mg/kg	Rat		
	dermal	LD50 > 3000 mg/kg	Rabbit		
64742-46-7	Distillates (petroleum), hydrotreated middle, Gasoil - unspecified				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >5000 mg/kg	Rabbit		
	inhalation vapour	ATE 11 mg/l			
	inhalation (4 h) aerosol	LC50 1.72 mg/l	Rat male.		
128-39-2	2,6-di-tert-butylphenol				
	oral	LD50 >5000 mg/kg	Rat		
	dermal	LD50 >10000 mg/kg	Rabbit		
	Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated				
	oral	LD50 >2000 mg/kg	Ratte		
94270-86-7	1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl				
	oral	LD50 >2000 mg/kg	Rat		
268567-32-4	Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI)				
	oral	LD50 >2000 mg/kg	Rat		
	dermal	LD50 >2000 mg/kg	Rat		

Irritation and corrosivity

Irritant effect on the skin: none/none

Frequent and prolonged eye contact may cause eye irritation.

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Sensitizing effects

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

Carcinogenic/mutagenic/toxic effects for reproduction

The product is not classified.

Specific target organ toxicity (STOT) - repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Specific effects in experiment on an animal

No data available.

Practical experience**Observations relevant to classification**

Has de-greasing effect on the skin.

Other observations

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

12. Ecological information**Ecotoxicity**

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

Bioaccumulative potential

No data available.

Do not allow uncontrolled discharge of product into the environment.

Mobility in soil

No data available.

Other adverse effects

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

13. Disposal considerations**Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the

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substance itself. Dispose of this material and its container to hazardous or special waste collection point.

14. Transport information**US DOT 49 CFR 172.101**

UN/ID number:	UN 3082
Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es):	9
Packing group:	III
Hazard label:	9

Marine transport (IMDG)

UN number:	No dangerous good in sense of this transport regulation.
UN proper shipping name:	No dangerous good in sense of this transport regulation.
Transport hazard class(es):	No dangerous good in sense of this transport regulation.
Packing group:	No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

UN number:	No dangerous good in sense of this transport regulation.
UN proper shipping name:	No dangerous good in sense of this transport regulation.
Transport hazard class(es):	No dangerous good in sense of this transport regulation.
Packing group:	No dangerous good in sense of this transport regulation.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No dangerous good in sense of this transport regulation.

15. Regulatory information**U.S. Regulations****National regulatory information**

SARA Section 311/312 Hazards:

Distillates (petroleum), hydrotreated middle, Gasoil - unspecified (64742-46-7): Immediate (acute) health hazard

2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with eicosyl 2-methyl-2-propenoate, hexadecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, octadecyl 2-methyl-2-propenoate, pentadecyl 2-methyl-2-propenoate, tetradecyl 2-methyl-2-propenoate and (-): Immediate (acute) health hazard

2,6-di-tert-butylphenol (128-39-2): Immediate (acute) health hazard

Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated (-): Immediate (acute) health hazard

1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl (94270-86-7): Immediate (acute) health hazard

Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI) (268567-32-4): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

WARNING: This product can expose you to chemicals including Naphthalene (cancer), which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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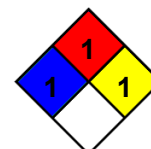
16. Other information

Hazardous Materials Information Label (HMIS)

Health: 1
 Flammability: 1
 Physical Hazard: 1

NFPA Hazard Ratings

Health: 1
 Flammability: 1
 Reactivity: 1
 Unique Hazard:



Changes

Revision date: 22.09.2020
 Revision No: 1,07

This data sheet contains changes from the previous version in section(s): 3,9.

Abbreviations and acronyms

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service
- LC50: Lethal concentration, 50%
- LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GHS

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Aquatic Chronic 3; H412	Calculation method

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)