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1.Identification of the mixture and of the company/undertaking

1.1 Product identifier:

**HEXOL LUBE SRL** 

## Hexol HA 22

1.2 Relevant identified uses of the mixture and uses advised against Relevant identified uses: hydraulic oil. Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:

S.C. HEXOL LUBE S.R.L. Adress: comuna. Paleu, str. Ardealului 1A, judeţ Bihor Phone/Fax: 0259 449203/428299

1.4 Emergency telephone number Phone: 0259-454216; 0259-449203; 8-16h on workdays.

2. Hazards identification

2.1 Classification of the mixture

Classification of the mixture according to regulation 1272/2008/EC Hazard Class and Category: Hazard statement: Not classified.

Safety hazards:Danger symbol not required.Environmental hazards:Danger symbol not required.Note:Spills may form a film on water surfaces causing<br/>impaired oxygen transfer.

2.2 Label elements 1272/2008/EC Product identification: Trade name: **Hexol HA 22** 

GHS Pictogram: not required Signal word: not required

Hazard statement: not required Precautionary statements: P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with national regulation. Other liabilities for labelling: Tactile warning of danger: Not required.



Date: 2	9.05.2015
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Conc.

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Hazard

Transport classification: see section 14

**HEXOL LUBE SRL** 

- 2.3 Other hazards: no data available
- 3. Composition/information on ingredients

Component(s) / Hazardous component(s):

3.2 Mixtures

Chemical description: Mixture of refined mineral base oils containing additives.

Name	EINECS	Cas	REACH No.
Name	numher	number	REACTINO.

Name	number	number	REACH No.	statements	% (m/m)
Lubricating oils (petroleum), C>25*	278-012- 2	74869- 22-0			Max. 99.5
Zinc 2-	224-235-	4259-15-	01-	H318,	0.22-
Ethylhexyldithiophosphate	5	8	2119493635-	H411	0.45
			27		

\*: with exposure limit

The full text of each relevant R-, H- phrase and Hazard classes and cat. see in Section 16.

# 4. First aid measures

# 4.1Description of first aid measures

General advice: Remove victim from exposure site. Ensure that the person have fresh air. Lieth person in lateral position and keep heat. In case of irregular breathing or respiratory arrest will apply artificial respiration.

First aid people should avoid exposure. It will use appropriate respiratory protection. If breathing has stopped, assist ventilation with mechanical device. Do not use mouth to mouth resuscitation. Take off all contaminated clothing immediately.

Inhalation: In case of accident by inhalation, remove casualty danger area and leave the rest. If symptoms persist, seek medical advice.

Skin contact: Remove contaminated clothing and wash the skin thoroughly with soap and water. If symptoms persist, seek medical advice.

Eye contact: Wash thoroughly with water for at least 10 minutes. If symptoms persist, seek medical advice.

After ingestion: Never give anything by mouth to an unconscious person, or **never induce vomiting.** Immediately seek medical advice.

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

No data



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4.3 Indication of any immediate medical attention and special treatment need **Treat** symptomatically

5. Fire-fighting measuresFire hazards:See also Section 9 - flash point.

**HEXOL LUBE SRL** 

5.1Extinguishing media Suitable extinguishing media: Foam, carbon dioxide, dry chemical powder. Unsuitable extinguishing media: water jet

5.2 Special hazards arising from the mixture

Hazardous combustion products: On burning, carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxides, various hydrocarbons and soot can be formed.

5.3 Advice for fire-fighters Special protective equipment: According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated fire fighting water separately. It must not enter the sewage system. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Keep away people without protective clothing or who are not trained in resolving the situation. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear respiratory protection.

Personal precautions: see Section 8.

6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority

6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be remove. Recover free liquid by pumping. Contain the rest or small quantities with sand, earth or other suitable absorbents. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable



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absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections

**HEXOL LUBE SRL** 

Personal precautions: see section 8. Waste treatment methods: see section 13.

- 7. Handling and storage
- 7.1Precautions for safe handling

Keep general measures applied for normal operations with lubricants and flammable liquids.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists. Ensure washing facilities after working hours and before breaks. Take off contaminated or oil-soaked clothing, wash with warm water and soap.

When using do not eat, drink or smoke. Avoid splashing the product. Handling temperature: not known

7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids. Store in dry, well ventilated place in original, closed containers. Keep away from radiant heat, open flame and strong oxidizing agents. Storage temperature: max. 40°C

7.3 Specific end use(s) hydraulic oil.
8. Exposure controls / personal protection Engineering control measures: Not required.

8.1 Control parameters: *Mineral oil mist:* 

TWA: 5 mg/m<sub>3</sub>; STEL: 10 mg/m<sub>3</sub>, for oil mist, vapour excluded (ACGIH). Method of testing, recommended: NIOSH 5026

8.2 Exposure controls



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Personal protection:

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Respiratory protection: Breathing apparatus not required.

Hand protection: Oil resistant gloves (EN 374, Breakthrough time 480 min)

(e.g. nitrile rubber - minimal thickness 0.33 mm).

Note: Manufacturer's directions for use and the conditions of application should be observed.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing (oil resistant).

Other special: no data

8.3 Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

- 9. Physical and chemical properties
- 9.1 Information on basic physical and chemical properties

## Appearance:

Appearance		
	Physical state:	liquid
	Colour:	brown, clear
	Odour:	characteristic
	Change in physical state:	
	Pour point (ISO 3016):	typ15°C
	Boiling point:	not available
Others:		
	Flash point (COC) (EN ISO 2592):	typ. 210°C
	Ignition point (EN ISO 2592):	not available
	Autoignition temperature:	not available
	Explosive properties:	not explosive
	Oxidizing properties:	not oxidize
	Vapour pressure at 20°C:	negligible
	Density at 15°C (EN ISO 12185):	Typ. 0.880 g/cm <sup>3</sup>
	Solubility in water:	practically insoluble in water
	Solubility in other solvents:	gasoline, kerosene, toluene, etc.
	n-Octanol/water partition	not available
	coefficient:	
	Vapour density:	not available
	Heating value:	inf. 38 000 kJ/kg

Kinematic viscosity at 40°C (EN ISO 19.8-24.2 mm<sup>2</sup>/s

9.2 Other information no data available

10. Stability and reactivity

3104):

10.1 Reactivity: Dangerous reactivity not known.



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10.2 Chemical stability: No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions: Not known.

10.4 Conditions to avoid: Direct heat or ignition sources.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

11. Toxicological information

**HEXOL LUBE SRL** 

11.1 Information on toxicological effects
Acute toxicity:
Oral: LD<sub>50</sub> (rat) > 5000 mg/kg (based on components)
Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)
Acute toxicity: irritation

Skin: not irritant (based on components)

Eye:not irritant (based on components), causes serious eye irritationNote:Prolonged and/or repeated contact may cause irritation on skinor in eyes depending on individual sensitivity.

Respiratory or skin sensitisation: not sensitising (based on components)

Other information, specific effects:

The product does not contain PCBs, PCTs, and other chlorine compounds, and heavy metals, barium compounds.

cell mutagenicity: resp. not mutagen (based on components) Carcinogenicity: resp. not carcinogen (based on components)

Reproductive toxicity: resp. no reproduction-damaging effect (based on components)

STOT-single exposure: not known STOT-repeated exposure: not known Aspiration hazard: not known,

- 12. Ecological information
- 12.1Toxicity

Oral: LD<sub>50</sub> (rat)> 5000mg/kg (based on components) Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)

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	2	MATERIAL SAFETY DATA SHEET	Date: 29.05.2015
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		1272/2008/EC	Revizion: 1
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1	2.2Persistence and degrada	ability No data available.	
	Biodegradability:	No data available.	
	2.3Bioaccumulative potent	ial No data available.	
1	2.4Mobility		
	Mobility in soil	Absorbs in soil.	
4	Mobility in water:	Floats on water.	
	2.5Results of PBT and vP assessment	vB Not required.	
1	2.60ther adverse effects		
	Heavy metal content:	None.	
	PCT, PCB and other chlo	prinatedNone.	
	hydrocarbons: Environmental effects:	Spills may form a film onv	atorsurfacescousing
	Linn onmental effects.	impaired oxygen transfer.	vatersurracescausing
	Water hazard class (Ger		
1	3. Disposal considerations		
1	3.1Waste treatment metho	ods	
F	Product disposal:		
	•		
	Nastes of the product or use	ed oil should be treated as hazardous	waste. EWC cod: 13
C	Wastes of the product or use 02 05*		
C N	Wastes of the product or use 02 05* Mineral-based non-chlorinat	ted engine, gear and lubricating oils.	Disposal must be in
C N C	Wastes of the product or use 02 05* Mineral-based non-chlorinat compliance with national an		Disposal must be in
C N C r	Wastes of the product or use 02 05* Mineral-based non-chlorinat compliance with national an nethod: incineration	ted engine, gear and lubricating oils.	Disposal must be in
C N c r	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal:	ted engine, gear and lubricating oils.	Disposal must be in aste treatment
C N C F C	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal:	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard	Disposal must be in aste treatment
C N c F C r	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard	Disposal must be in aste treatment
C N C F C T E F	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re WC cod: 15 01 10* Packaging containing residue	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s	Disposal must be in aste treatment ous waste according substances.
C M C F C T F E E	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re WC cod: 15 01 10* Packaging containing residue Disposal must be in compliant	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations.	Disposal must be in aste treatment ous waste according substances.
C M C F F C C F F C V V	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater:	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulatior	Disposal must be in aste treatment ous waste according substances. as.
C M C F F C C T T E E F F C C V C C	Wastes of the product or use 205* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re WC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s	Disposal must be in aste treatment ous waste according substances. as.
C M C F F C C F C V C C T	Wastes of the product or use 22 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re WC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations.	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulatior ed to natural water must comply with	Disposal must be in aste treatment ous waste according substances. ns. n national and local
C M C F F C C F F C C V C C C	Wastes of the product or use 205* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M G T F C T F C T C T C T C T	Wastes of the product or use 205* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re WC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the response	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulatior ed to natural water must comply with	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M C F C T F C C T C C T	Wastes of the product or use 205* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M G T F C T E F C V C T T C T T	Wastes of the product or use 205* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi national and local disposal re WC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the response	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M G F C T F C C T C C T T C C T T T	Wastes of the product or use 2 05* Mineral-based non-chlorinat compliance with national an nethod: incineration Packaging disposal: Containers with product resi- national and local disposal re WC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the respons- regulations.	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local



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Waterways:

Inland waterways/ Sea transport ADN/IMDG:Not classified.Air transport:ICAO / IATA:Not classified.

15. Regulatory information

**HEXOL LUBE SRL** 

15.1 Safety, health and environmental regulations/legislation specific for the mixture. This safety data sheet has been prepared according to Regulation 1907/2006/EC (mod. 453/2010/EC) and 1272/2008/EC.

15.2 Chemical safety assessment.

not available

16. Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Source of data presented in this material safety data sheet: Test results of this product

Material safety data sheets of product's components Romanian and EU lists of dangerous substances Relevant Romanian regulation and EU directives

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Not classified.

The full text of each relevant R-, H- phrase and Hazard classes and cat. in Section 3.:

H304 May be fatal if swallowed and enters airways.



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H315 Causes skin irritation.

**HEXOL LUBE SRL** 

- H318 Causes serious eye damage
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Asp.Tox.1Aspiration hazard Category 1

Skin Irrit. Skin corrosion/irritation Category 2

Eye Irrit. 2 Serious eye damage/eye irritation Category 2







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1.Identification of the mixture and of the company/undertaking

1.1 Product identifier:

**HEXOL LUBE SRL** 

## Hexol HA 32

1.2 Relevant identified uses of the mixture and uses advised against Relevant identified uses: hydraulic oil. Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:

S.C. HEXOL LUBE S.R.L. Adress: comuna. Paleu, str. Ardealului 1A, judeţ Bihor Phone/Fax: 0259 449203/428299

1.4 Emergency telephone number Phone: 0259-454216; 0259-449203; 8-16h on workdays.

2. Hazards identification

2.1 Classification of the mixture

Classification of the mixture according to regulation 1272/2008/EC Hazard Class and Category: Hazard statement: Not classified.

Safety hazards:Danger symbol not required.Environmental hazards:Danger symbol not required.Note:Spills may form a film on water surfaces causing<br/>impaired oxygen transfer.

2.2 Label elements 1272/2008/EC Product identification: Trade name: **Hexol HA 32** 

GHS Pictogram: not required Signal word: not required

Hazard statement: not required Precautionary statements: P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with national regulation. Other liabilities for labelling: Tactile warning of danger: Not required.



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Transport classification: see section 14

**HEXOL LUBE SRL** 

- 2.3 Other hazards: no data available
- 3. Composition/information on ingredients
- Mixtures 3.2

Chemical description: Mixture of refined mineral base oils containing additives.

Name	EINECS number	Cas number	REACH No.	Hazard statements	Conc. % (m/m)
Lubricating oils (petroleum), C>25*	278-012- 2	74869- 22-0			Max. 99.5
Zinc 2- Ethylhexyldithiophosphate	224-235- 5	4259-15- 8	01- 2119493635-	H318, H411	0.22- 0.45
	5		27		0.10

Component(s) / Hazardous component(s):

\*: with exposure limit

The full text of each relevant R-, H- phrase and Hazard classes and cat. see in Section 16.

#### First aid measures 4.

## 4.1Description of first aid measures

General advice: Remove victim from exposure site. Ensure that the person have fresh air. Lieth person in lateral position and keep heat. In case of irregular breathing or respiratory arrest will apply artificial respiration.

First aid people should avoid exposure. It will use appropriate respiratory protection. If breathing has stopped, assist ventilation with mechanical device. Do not use mouth to mouth resuscitation. Take off all contaminated clothing immediately.

Inhalation: In case of accident by inhalation, remove casualty danger area and leave the rest. If symptoms persist, seek medical advice.

Skin contact: Remove contaminated clothing and wash the skin thoroughly with soap and water. If symptoms persist, seek medical advice.

Eye contact: Wash thoroughly with water for at least 10 minutes. If symptoms persist, seek medical advice.

After ingestion: Never give anything by mouth to an unconscious person, or **never** induce vomiting. Immediately seek medical advice.

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

No data



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4.3 Indication of any immediate medical attention and special treatment need **Treat** symptomatically

5. Fire-fighting measuresFire hazards:See also Section 9 - flash point.

**HEXOL LUBE SRL** 

5.1Extinguishing media Suitable extinguishing media: Foam, carbon dioxide, dry chemical powder. Unsuitable extinguishing media: water jet

5.2 Special hazards arising from the mixture

Hazardous combustion products: On burning, carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxides, various hydrocarbons and soot can be formed.

5.3 Advice for fire-fighters Special protective equipment: According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated fire fighting water separately. It must not enter the sewage system. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Keep away people without protective clothing or who are not trained in resolving the situation. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear respiratory protection.

Personal precautions: see Section 8.

6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority

6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be remove. Recover free liquid by pumping. Contain the rest or small quantities with sand, earth or other suitable absorbents. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable



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absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections

**HEXOL LUBE SRL** 

Personal precautions: see section 8. Waste treatment methods: see section 13.

- 7. Handling and storage
- 7.1Precautions for safe handling

Keep general measures applied for normal operations with lubricants and flammable liquids.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists. Ensure washing facilities after working hours and before breaks. Take off contaminated or oil-soaked clothing, wash with warm water and soap.

When using do not eat, drink or smoke. Avoid splashing the product. Handling temperature: not known

7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids. Store in dry, well ventilated place in original, closed containers. Keep away from radiant heat, open flame and strong oxidizing agents. Storage temperature: max. 40°C

7.3 Specific end use(s) hydraulic oil.
8. Exposure controls / personal protection Engineering control measures: Not required.

8.1 Control parameters: *Mineral oil mist:* 

TWA: 5 mg/m<sub>3</sub>; STEL: 10 mg/m<sub>3</sub>, for oil mist, vapour excluded (ACGIH). Method of testing, recommended: NIOSH 5026

8.2 Exposure controls



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Personal protection:

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Respiratory protection: Breathing apparatus not required.

Hand protection: Oil resistant gloves (EN 374, Breakthrough time 480 min)

(e.g. nitrile rubber - minimal thickness 0.33 mm).

Note: Manufacturer's directions for use and the conditions of application should be observed.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing (oil resistant).

Other special: no data

8.3 Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

- 9. Physical and chemical properties
- 9.1 Information on basic physical and chemical properties

## Appearance:

Appearance		
	Physical state:	liquid
	Colour:	brown, clear
	Odour:	characteristic
	Change in physical state:	
	Pour point (ISO 3016):	typ15°C
	Boiling point:	not available
Others:		
	Flash point (COC) (EN ISO 2592):	typ. 210°C
	Ignition point (EN ISO 2592):	not available
	Autoignition temperature:	not available
	Explosive properties:	not explosive
	Oxidizing properties:	not oxidize
	Vapour pressure at 20°C:	negligible
	Density at 15°C (EN ISO 12185):	Typ. 0.890 g/cm <sup>3</sup>
	Solubility in water:	practically insoluble in water
	Solubility in other solvents:	gasoline, kerosene, toluene, etc.
	n-Octanol/water partition	not available
	coefficient:	
	Vapour density:	not available
	Heating value:	inf. 38 000 kJ/kg
	Kinematic viscosity at 40°C (EN ISO	28.8-35.2 mm²/s

9.2 Other information no data available

10. Stability and reactivity

3104):

10.1 Reactivity: Dangerous reactivity not known.



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10.2 Chemical stability: No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions: Not known.

10.4 Conditions to avoid: Direct heat or ignition sources.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

11. Toxicological information

**HEXOL LUBE SRL** 

11.1 Information on toxicological effects
Acute toxicity:
Oral: LD<sub>50</sub> (rat) > 5000 mg/kg (based on components)
Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)
Acute toxicity: irritation

Skin: not irritant (based on components)

Eye:not irritant (based on components), causes serious eye irritationNote:Prolonged and/or repeated contact may cause irritation on skinor in eyes depending on individual sensitivity.

Respiratory or skin sensitisation: not sensitising (based on components)

Other information, specific effects:

The product does not contain PCBs, PCTs, and other chlorine compounds, and heavy metals, barium compounds.

cell mutagenicity: resp. not mutagen (based on components) Carcinogenicity: resp. not carcinogen (based on components)

Reproductive toxicity: resp. no reproduction-damaging effect (based on components)

STOT-single exposure: not known STOT-repeated exposure: not known Aspiration hazard: not known,

- 12. Ecological information
- 12.1Toxicity

Oral: LD<sub>50</sub> (rat)> 5000mg/kg (based on components) Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)

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	12.2Persistence and degrada	ability No data available.	
	Biodegradability:	No data available.	
	12.3Bioaccumulative potent	ial No data available.	
	12.4Mobility		
	Mobility in soil	Absorbs in soil.	
	Mobility in water: 12.5Results of PBT and vP	Floats on water. vB Not required.	
	assessment	vb Not required.	
	12.60ther adverse effects		
	Heavy metal content:	None.	
	PCT, PCB and other chlo	orinatedNone.	
	hydrocarbons:		- · · ·
	Environmental effects:	Spills may form a film onv	vatersurfacescausing
	Mator bazard class (Cor	impaired oxygen transfer.	
	Water hazard class (Ger	manj.	
	13. Disposal considerations		
	13.1Waste treatment metho		
Ŀ	Product disposal:		
		ed oil should be treated as hazardous	waste. EWC cod: 13
	02 05*		
	02 05* Mineral-based non-chlorina	ted engine, gear and lubricating oils.	Disposal must be in
	02 05* Mineral-based non-chlorinat compliance with national an		Disposal must be in
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration	ted engine, gear and lubricating oils.	Disposal must be in
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal:	ted engine, gear and lubricating oils. Id local regulations. Recommended w	Disposal must be in aste treatment
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal:	ted engine, gear and lubricating oils. Ind local regulations. Recommended w idue should also be treated as hazard	Disposal must be in aste treatment
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product rest	ted engine, gear and lubricating oils. Ind local regulations. Recommended w idue should also be treated as hazard	Disposal must be in aste treatment
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	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complia Wastewater:	ted engine, gear and lubricating oils. Ind local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation	Disposal must be in vaste treatment ous waste according substances.
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product rest national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in compliat Wastewater: Quality of wastewater emitt	ted engine, gear and lubricating oils. Ind local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s	Disposal must be in vaste treatment ous waste according substances.
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product rest national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complia Wastewater: Quality of wastewater emitt regulations.	ted engine, gear and lubricating oils. Ind local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ced to natural water must comply with	Disposal must be in vaste treatment ous waste according substances. ns. n national and local
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complia Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	ted engine, gear and lubricating oils. In ad local regulations. Recommended with idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ced to natural water must comply with case to ensure compliance with EC, n	Disposal must be in vaste treatment ous waste according substances. hs. h national and local
	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complia Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	ted engine, gear and lubricating oils. Ind local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ced to natural water must comply with	Disposal must be in vaste treatment ous waste according substances. hs. h national and local
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	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complia Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the respons regulations.	ted engine, gear and lubricating oils. In ad local regulations. Recommended with idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ced to natural water must comply with case to ensure compliance with EC, n	Disposal must be in vaste treatment ous waste according substances. hs. h national and local



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Waterways:

Inland waterways/ Sea transport ADN/IMDG:Not classified.Air transport:ICAO / IATA:Not classified.

15. Regulatory information

**HEXOL LUBE SRL** 

15.1 Safety, health and environmental regulations/legislation specific for the mixture. This safety data sheet has been prepared according to Regulation 1907/2006/EC (mod. 453/2010/EC) and 1272/2008/EC.

15.2 Chemical safety assessment.

not available

16. Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Source of data presented in this material safety data sheet: Test results of this product

Material safety data sheets of product's components Romanian and EU lists of dangerous substances Relevant Romanian regulation and EU directives

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Not classified.

The full text of each relevant R-, H- phrase and Hazard classes and cat. in Section 3.:

H304 May be fatal if swallowed and enters airways.



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H315 Causes skin irritation.

**HEXOL LUBE SRL** 

- H318 Causes serious eye damage
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Asp.Tox.1Aspiration hazard Category 1

Skin Irrit. Skin corrosion/irritation Category 2

Eye Irrit. 2 Serious eye damage/eye irritation Category 2







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1.Identification of the mixture and of the company/undertaking

1.1 Product identifier:

**HEXOL LUBE SRL** 

# Hexol HA 46

1.2 Relevant identified uses of the mixture and uses advised against Relevant identified uses: hydraulic oil. Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:

S.C. HEXOL LUBE S.R.L. Adress: comuna. Paleu, str. Ardealului 1A, judeţ Bihor Phone/Fax: 0259 449203/428299

1.4 Emergency telephone number Phone: 0259-454216; 0259-449203; 8-16h on workdays.

2. Hazards identification

2.1 Classification of the mixture

Classification of the mixture according to regulation 1272/2008/EC Hazard Class and Category: Hazard statement: Not classified.

Safety hazards:Danger symbol not required.Environmental hazards:Danger symbol not required.Note:Spills may form a film on water surfaces causing<br/>impaired oxygen transfer.

2.2 Label elements 1272/2008/EC Product identification: Trade name: **Hexol HA 46** 

GHS Pictogram: not required Signal word: not required

Hazard statement: not required Precautionary statements: P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with national regulation. Other liabilities for labelling: Tactile warning of danger: Not required.



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Conc.

(m/m)

Max. 99.5

> 0.22-0.45

%

Transport classification: see section 14

**HEXOL LUBE SRL** 

- 2.3 Other hazards: no data available
- 3. Composition/information on ingredients
- 3.2 Mixtures

Chemical description: Mixture of refined mineral base oils containing additives.

Name	EINECS number	Cas number	REACH No.	Hazard statements
Lubricating oils (petroleum), C>25*	278-012- 2	74869- 22-0		
Zinc 2-	224-235-	4259-15-	01-	H318,
Ethylhexyldithiophosphate	5	8	2119493635-	H411
			27	

Component(s) / Hazardous component(s):

\*: with exposure limit

The full text of each relevant R-, H- phrase and Hazard classes and cat. see in Section 16.

## 4. First aid measures

## 4.1Description of first aid measures

General advice: Remove victim from exposure site. Ensure that the person have fresh air. Lieth person in lateral position and keep heat. In case of irregular breathing or respiratory arrest will apply artificial respiration.

First aid people should avoid exposure. It will use appropriate respiratory protection. If breathing has stopped, assist ventilation with mechanical device. Do not use mouth to mouth resuscitation. Take off all contaminated clothing immediately.

Inhalation: In case of accident by inhalation, remove casualty danger area and leave the rest. If symptoms persist, seek medical advice.

Skin contact: Remove contaminated clothing and wash the skin thoroughly with soap and water. If symptoms persist, seek medical advice.

Eye contact: Wash thoroughly with water for at least 10 minutes. If symptoms persist, seek medical advice.

After ingestion: Never give anything by mouth to an unconscious person, or **never induce vomiting.** Immediately seek medical advice.

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

No data



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4.3 Indication of any immediate medical attention and special treatment need **Treat** symptomatically

5. Fire-fighting measuresFire hazards:See also Section 9 - flash point.

**HEXOL LUBE SRL** 

5.1Extinguishing media Suitable extinguishing media: Foam, carbon dioxide, dry chemical powder. Unsuitable extinguishing media: water jet

5.2 Special hazards arising from the mixture

Hazardous combustion products: On burning, carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxides, various hydrocarbons and soot can be formed.

5.3 Advice for fire-fighters Special protective equipment: According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated fire fighting water separately. It must not enter the sewage system. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Keep away people without protective clothing or who are not trained in resolving the situation. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear respiratory protection.

Personal precautions: see Section 8.

6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority

6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be remove. Recover free liquid by pumping. Contain the rest or small quantities with sand, earth or other suitable absorbents. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable



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absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections

**HEXOL LUBE SRL** 

Personal precautions: see section 8. Waste treatment methods: see section 13.

- 7. Handling and storage
- 7.1Precautions for safe handling

Keep general measures applied for normal operations with lubricants and flammable liquids.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists. Ensure washing facilities after working hours and before breaks. Take off contaminated or oil-soaked clothing, wash with warm water and soap.

When using do not eat, drink or smoke. Avoid splashing the product. Handling temperature: not known

7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids. Store in dry, well ventilated place in original, closed containers. Keep away from radiant heat, open flame and strong oxidizing agents. Storage temperature: max. 40°C

7.3 Specific end use(s) hydraulic oil.
8. Exposure controls / personal protection Engineering control measures: Not required.

8.1 Control parameters: *Mineral oil mist:* 

TWA: 5 mg/m<sub>3</sub>; STEL: 10 mg/m<sub>3</sub>, for oil mist, vapour excluded (ACGIH). Method of testing, recommended: NIOSH 5026

8.2 Exposure controls



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Personal protection:

**HEXOL LUBE SRL** 

Respiratory protection: Breathing apparatus not required.

Hand protection: Oil resistant gloves (EN 374, Breakthrough time 480 min)

(e.g. nitrile rubber - minimal thickness 0.33 mm).

Note: Manufacturer's directions for use and the conditions of application should be observed.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing (oil resistant).

Other special: no data

8.3 Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

- 9. Physical and chemical properties
- 9.1 Information on basic physical and chemical properties

## Appearance:

Appearance		
	Physical state:	liquid
	Colour:	brown, clear
	Odour:	characteristic
	Change in physical state:	
	Pour point (ISO 3016):	typ15°C
	Boiling point:	not available
Others:		
	Flash point (COC) (EN ISO 2592):	typ. 215°C
	Ignition point (EN ISO 2592):	not available
	Autoignition temperature:	not available
	Explosive properties:	not explosive
	Oxidizing properties:	not oxidize
	Vapour pressure at 20°C:	negligible
	Density at 15°C (EN ISO 12185):	Typ. 0.895 g/cm <sup>3</sup>
	Solubility in water:	practically insoluble in water
	Solubility in other solvents:	gasoline, kerosene, toluene, etc.
	n-Octanol/water partition	not available
	coefficient:	
	Vapour density:	not available
	Heating value:	inf. 38 000 kJ/kg
	Kinematic viscosity at 40°C (EN ISO	41.4-50.6 mm²/s

3104):

9.2 Other information no data available

10. Stability and reactivity

10.1 Reactivity: Dangerous reactivity not known.



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10.2 Chemical stability: No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions: Not known.

10.4 Conditions to avoid: Direct heat or ignition sources.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

11. Toxicological information

**HEXOL LUBE SRL** 

11.1 Information on toxicological effectsAcute toxicity:Oral:LD50 (rat)> 5000 mg/kg (based on components)Dermal:LD50 (rabbit)> 2000 mg/kg (based on components)Acute toxicity: irritation

Skin: not irritant (based on components)

Eye:not irritant (based on components), causes serious eye irritationNote:Prolonged and/or repeated contact may cause irritation on skinor in eyes depending on individual sensitivity.

Respiratory or skin sensitisation: not sensitising (based on components)

Other information, specific effects:

The product does not contain PCBs, PCTs, and other chlorine compounds, and heavy metals, barium compounds.

cell mutagenicity: resp. not mutagen (based on components) Carcinogenicity: resp. not carcinogen (based on components)

Reproductive toxicity: resp. no reproduction-damaging effect (based on components)

STOT-single exposure: not known STOT-repeated exposure: not known Aspiration hazard: not known,

- 12. Ecological information
- 12.1Toxicity

Oral: LD<sub>50</sub> (rat)> 5000mg/kg (based on components) Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)

		MATERIAL SAFETY DATA SHEET	Date: 29.05.2015
	HEXOL LUBE SRL	According to regulation	Edition: 1
		1272/2008/EC	Revizion: 1
		Hexol HA 46	Page: 7 of 9
1	12.2Persistence and degrada	ability No data available.	
	Biodegradability:	No data available.	
	12.3Bioaccumulative potent	ial No data available.	
1	12.4Mobility		
	Mobility in soil	Absorbs in soil.	
	Mobility in water:	Floats on water.	
	12.5Results of PBT and vP assessment	vB Not required.	
1	12.60ther adverse effects		
	Heavy metal content:	None.	
	PCT, PCB and other chlo	rinatedNone.	
	hydrocarbons: Environmental effects:	Spills may form a film onw	atorsurfacescausing
	Environmental enects.	impaired oxygen transfer.	vatersurratestausing
	Water hazard class (Ger		
	, ,	,	
1	13. Disposal considerations		
1	13.1Waste treatment metho	ods	
F	Product disposal:		
		ed oil should be treated as hazardous	waste. EWC cod: 13
(	02 05*		
C N	02 05* Mineral-based non-chlorinat	ted engine, gear and lubricating oils. I	Disposal must be in
(     	02 05* Mineral-based non-chlorinat compliance with national an		Disposal must be in
C N C	02 05* Mineral-based non-chlorinat compliance with national an method: incineration	ted engine, gear and lubricating oils. I	Disposal must be in
C N c r F	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal:	ted engine, gear and lubricating oils. I d local regulations. Recommended w	Disposal must be in aste treatment
C N c r F C	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal:	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard	Disposal must be in aste treatment
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C N C F C C F F	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s	Disposal must be in aste treatment ous waste according substances.
C M C F C C T F E E F C	D2 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations.	Disposal must be in aste treatment ous waste according substances.
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C N C F F C C T F F E E C V C C	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s	Disposal must be in aste treatment ous waste according substances.
C M C F C C F F	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations.	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with	Disposal must be in aste treatment ous waste according substances. ns. n national and local
C N C F F C C T T C C C C	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M C F F C C T T C C T T	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the respons	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M C F F C T F C C T C C T	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C N G F G C T T C C T T C C T T	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resi national and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the respons	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local
C M C F F C T F C C T T C C T T	02 05* Mineral-based non-chlorinat compliance with national an method: incineration Packaging disposal: Containers with product resinational and local disposal re EWC cod: 15 01 10* Packaging containing residue Disposal must be in complian Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the respons regulations.	ted engine, gear and lubricating oils. I d local regulations. Recommended w idue should also be treated as hazard egulations. es of or contaminated by dangerous s nce with national and local regulation ed to natural water must comply with case to ensure compliance with EC, n	Disposal must be in aste treatment ous waste according substances. ns. n national and local ational and local



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Waterways:

Inland waterways/ Sea transport ADN/IMDG:Not classified.Air transport:ICAO / IATA:Not classified.

15. Regulatory information

**HEXOL LUBE SRL** 

15.1 Safety, health and environmental regulations/legislation specific for the mixture. This safety data sheet has been prepared according to Regulation 1907/2006/EC (mod. 453/2010/EC) and 1272/2008/EC.

15.2 Chemical safety assessment.

not available

16. Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Source of data presented in this material safety data sheet: Test results of this product

Material safety data sheets of product's components Romanian and EU lists of dangerous substances Relevant Romanian regulation and EU directives

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Not classified.

The full text of each relevant R-, H- phrase and Hazard classes and cat. in Section 3.:

H304 May be fatal if swallowed and enters airways.



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H315 Causes skin irritation.

**HEXOL LUBE SRL** 

- H318 Causes serious eye damage
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Asp.Tox.1Aspiration hazard Category 1

Skin Irrit. Skin corrosion/irritation Category 2

Eye Irrit. 2 Serious eye damage/eye irritation Category 2







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1.Identification of the mixture and of the company/undertaking

1.1 Product identifier:

**HEXOL LUBE SRL** 

## Hexol HA 68

1.2 Relevant identified uses of the mixture and uses advised against Relevant identified uses: hydraulic oil. Uses advised against: no data

1.3 Details of the supplier of the safety data sheet:

S.C. HEXOL LUBE S.R.L. Adress: comuna. Paleu, str. Ardealului 1A, judeţ Bihor Phone/Fax: 0259 449203/428299

1.4 Emergency telephone number Phone: 0259-454216; 0259-449203; 8-16h on workdays.

2. Hazards identification

2.1 Classification of the mixture

Classification of the mixture according to regulation 1272/2008/EC Hazard Class and Category: Hazard statement: Not classified.

Safety hazards:Danger symbol not required.Environmental hazards:Danger symbol not required.Note:Spills may form a film on water surfaces causing<br/>impaired oxygen transfer.

2.2 Label elements 1272/2008/EC Product identification: Trade name: **Hexol HA 68** 

GHS Pictogram: not required Signal word: not required

Hazard statement: not required Precautionary statements: P273 Avoid release to the environment. P501 Dispose of contents/container in accordance with national regulation. Other liabilities for labelling: Tactile warning of danger: Not required.



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Conc. %

(m/m)

Max. 99.5

> 0.22-0.45

Transport classification: see section 14

**HEXOL LUBE SRL** 

- 2.3 Other hazards: no data available
- 3. Composition/information on ingredients
- 3.2 Mixtures

Chemical description: Mixture of refined mineral base oils containing additives.

Name	EINECS number	Cas number	REACH No.	Hazard statements
Lubricating oils (petroleum), C>25*	278-012- 2	74869- 22-0		
Zinc 2-	224-235-	4259-15-	01-	H318,
Ethylhexyldithiophosphate	5	8	2119493635-	H411
			27	

Component(s) / Hazardous component(s):

\*: with exposure limit

The full text of each relevant R-, H- phrase and Hazard classes and cat. see in Section 16.

## 4. First aid measures

## 4.1Description of first aid measures

General advice: Remove victim from exposure site. Ensure that the person have fresh air. Lieth person in lateral position and keep heat. In case of irregular breathing or respiratory arrest will apply artificial respiration.

First aid people should avoid exposure. It will use appropriate respiratory protection. If breathing has stopped, assist ventilation with mechanical device. Do not use mouth to mouth resuscitation. Take off all contaminated clothing immediately.

Inhalation: In case of accident by inhalation, remove casualty danger area and leave the rest. If symptoms persist, seek medical advice.

Skin contact: Remove contaminated clothing and wash the skin thoroughly with soap and water. If symptoms persist, seek medical advice.

Eye contact: Wash thoroughly with water for at least 10 minutes. If symptoms persist, seek medical advice.

After ingestion: Never give anything by mouth to an unconscious person, or **never induce vomiting.** Immediately seek medical advice.

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

No data



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4.3 Indication of any immediate medical attention and special treatment need **Treat** symptomatically

5. Fire-fighting measuresFire hazards:See also Section 9 - flash point.

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5.1Extinguishing media Suitable extinguishing media: Foam, carbon dioxide, dry chemical powder. Unsuitable extinguishing media: water jet

5.2 Special hazards arising from the mixture

Hazardous combustion products: On burning, carbon dioxide, carbon monoxide, sulphur oxides, nitrogen oxides, phosphor oxides, various hydrocarbons and soot can be formed.

5.3 Advice for fire-fighters Special protective equipment: According to the existing fire-fighting regulations. Respiratory protection.

Further information:

Collect contaminated fire fighting water separately. It must not enter the sewage system. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Keep away people without protective clothing or who are not trained in resolving the situation. Avoid contact with skin and eyes. Do not breathe vapors or spray mist. Wear respiratory protection.

Personal precautions: see Section 8.

6.2 Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil Notify relevant authority

6.3 Methods and material for containment and cleaning up

On soil: All kind of ignition sources should be remove. Recover free liquid by pumping. Contain the rest or small quantities with sand, earth or other suitable absorbents. Dispose of according to local regulations.

On water: Confine the spillage. Remove from surface by skimming or suitable



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absorbents. Notify local authorities according to regulations.

6.4 Reference to other sections

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Personal precautions: see section 8. Waste treatment methods: see section 13.

- 7. Handling and storage
- 7.1Precautions for safe handling

Keep general measures applied for normal operations with lubricants and flammable liquids.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists. Ensure washing facilities after working hours and before breaks. Take off contaminated or oil-soaked clothing, wash with warm water and soap.

When using do not eat, drink or smoke. Avoid splashing the product. Handling temperature: not known

7.2 Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids. Store in dry, well ventilated place in original, closed containers. Keep away from radiant heat, open flame and strong oxidizing agents. Storage temperature: max. 40°C

7.3 Specific end use(s) hydraulic oil.
8. Exposure controls / personal protection Engineering control measures: Not required.

8.1 Control parameters: *Mineral oil mist:* 

TWA: 5 mg/m<sub>3</sub>; STEL: 10 mg/m<sub>3</sub>, for oil mist, vapour excluded (ACGIH). Method of testing, recommended: NIOSH 5026

8.2 Exposure controls



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Personal protection:

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Respiratory protection: Breathing apparatus not required.

Hand protection: Oil resistant gloves (EN 374, Breakthrough time 480 min)

(e.g. nitrile rubber - minimal thickness 0.33 mm).

Note: Manufacturer's directions for use and the conditions of application should be observed.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing (oil resistant).

Other special: no data

8.3 Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

- 9. Physical and chemical properties
- 9.1 Information on basic physical and chemical properties

## Appearance:

Appearance		
	Physical state:	liquid
	Colour:	brown, clear
	Odour:	characteristic
	Change in physical state:	
	Pour point (ISO 3016):	typ14°C
	Boiling point:	not available
Others:		
	Flash point (COC) (EN ISO 2592):	typ. 220°C
	Ignition point (EN ISO 2592):	not available
	Autoignition temperature:	not available
	Explosive properties:	not explosive
	Oxidizing properties:	not oxidize
	Vapour pressure at 20°C:	negligible
	Density at 15°C (EN ISO 12185):	Typ. 0.895 g/cm <sup>3</sup>
	Solubility in water:	practically insoluble in water
	Solubility in other solvents:	gasoline, kerosene, toluene, etc.
	n-Octanol/water partition	not available
	coefficient:	
	Vapour density:	not available
	Heating value:	inf. 38 000 kJ/kg
	Kinematic viscosity at 40°C (EN ISO	61.2-74.8 mm²/s

9.2 Other information no data available

10. Stability and reactivity

3104):

10.1 Reactivity: Dangerous reactivity not known.



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10.2 Chemical stability: No decomposition if stored and handled properly.

10.3 Possibility of hazardous reactions: Not known.

10.4 Conditions to avoid: Direct heat or ignition sources.

10.5 Incompatible materials: Strong oxidizing agents.

10.6 Hazardous decomposition products: No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

11. Toxicological information

**HEXOL LUBE SRL** 

11.1 Information on toxicological effects
Acute toxicity:
Oral: LD<sub>50</sub> (rat) > 5000 mg/kg (based on components)
Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)
Acute toxicity: irritation

Skin: not irritant (based on components)

Eye:not irritant (based on components), causes serious eye irritationNote:Prolonged and/or repeated contact may cause irritation on skinor in eyes depending on individual sensitivity.

Respiratory or skin sensitisation: not sensitising (based on components)

Other information, specific effects:

The product does not contain PCBs, PCTs, and other chlorine compounds, and heavy metals, barium compounds.

cell mutagenicity: resp. not mutagen (based on components) Carcinogenicity: resp. not carcinogen (based on components)

Reproductive toxicity: resp. no reproduction-damaging effect (based on components)

STOT-single exposure: not known STOT-repeated exposure: not known Aspiration hazard: not known,

- 12. Ecological information
- 12.1Toxicity

Oral: LD<sub>50</sub> (rat)> 5000mg/kg (based on components) Dermal: LD<sub>50</sub> (rabbit) > 2000 mg/kg (based on components)

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L	12.2Persistence and degrad	ability No data available.	
L	Biodegradability:	No data available.	
	12.3Bioaccumulative potent	ial No data available.	
	12.4Mobility		
	Mobility in soil	Absorbs in soil.	
	Mobility in water:	Floats on water.	
l	12.5Results of PBT and vP assessment	vB Not required.	
L	12.60ther adverse effects		
	Heavy metal content:	None.	
	PCT, PCB and other chlo	prinatedNone.	
	hydrocarbons: Environmental effects:	Spills may form a film on	watersurfacescausing
L	Linnonmental effects.	impaired oxygen transfer.	watersurratestausing
	Water hazard class (Ger		
L	•	,	
	13. Disposal considerations		
	13.1Waste treatment metho	ods	
	Product disposal:		
		ed oil should be treated as hazardou	s waste. EWC cod: 13
	02 05*		<b>D</b> <sup>1</sup> 1 1 1
		ted engine, gear and lubricating oils. Id local regulations. Recommended v	-
		ia local regulations. Recommended v	
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	method: incineration		
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	method: incineration Packaging disposal: Containers with product res national and local disposal r EWC cod: 15 01 10* Packaging containing residu Disposal must be in complia Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	idue should also be treated as hazar egulations. es of or contaminated by dangerous nce with national and local regulatio ced to natural water must comply wit case to ensure compliance with EC,	dous waste according substances. ns. th national and local national and local
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	method: incineration Packaging disposal: Containers with product res national and local disposal r EWC cod: 15 01 10* Packaging containing residu Disposal must be in complia Wastewater: Quality of wastewater emitt regulations. Care should be taken in any	idue should also be treated as hazar egulations. es of or contaminated by dangerous nce with national and local regulatio ced to natural water must comply wit case to ensure compliance with EC,	dous waste according substances. ns. th national and local national and local
	method: incineration Packaging disposal: Containers with product res national and local disposal r EWC cod: 15 01 10* Packaging containing residu Disposal must be in complia Wastewater: Quality of wastewater emitt regulations. Care should be taken in any regulations. It is the response	idue should also be treated as hazar egulations. es of or contaminated by dangerous nce with national and local regulatio ced to natural water must comply wit case to ensure compliance with EC,	dous waste according substances. ns. th national and local national and local
	<ul> <li>method: incineration</li> <li>Packaging disposal:</li> <li>Containers with product residuational and local disposal residuations</li> <li>EWC cod: 15 01 10*</li> <li>Packaging containing residuations</li> <li>Disposal must be in compliation</li> <li>Wastewater:</li> <li>Quality of wastewater emitteregulations.</li> <li>Care should be taken in any regulations. It is the responseregulations.</li> <li>14. Transport information</li> </ul>	idue should also be treated as hazar egulations. es of or contaminated by dangerous nce with national and local regulatio ced to natural water must comply wit case to ensure compliance with EC,	dous waste according substances. ns. th national and local national and local
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Waterways:

Inland waterways/ Sea transport ADN/IMDG:Not classified.Air transport:ICAO / IATA:Not classified.

15. Regulatory information

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15.1 Safety, health and environmental regulations/legislation specific for the mixture. This safety data sheet has been prepared according to Regulation 1907/2006/EC (mod. 453/2010/EC) and 1272/2008/EC.

15.2 Chemical safety assessment.

not available

16. Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Source of data presented in this material safety data sheet: Test results of this product

Material safety data sheets of product's components Romanian and EU lists of dangerous substances Relevant Romanian regulation and EU directives

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Not classified.

The full text of each relevant R-, H- phrase and Hazard classes and cat. in Section 3.:

H304 May be fatal if swallowed and enters airways.



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H315 Causes skin irritation.

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- H318 Causes serious eye damage
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.

Asp.Tox.1Aspiration hazard Category 1

Skin Irrit. Skin corrosion/irritation Category 2

Eye Irrit. 2 Serious eye damage/eye irritation Category 2



