

SAFETY DATA SHEET according to 1907/2006/EC, Article 31

Page 1/6

Масло Gazpromneft Hydraulic HZF-46

Revision 0 Revision date 01.06.2015

1. IDENTIFICATION OF	THE SUBSTANCE/PREPARATION AND THE COMPANY	
1.1. Product Identifier		
Product name	Macлo Gazpromneft Hydraulic HZF-46	
1.2. Relevant identified uses	of the substance or mixture and uses advised against	
Description	Hydraulic oil	
1.3. Details of the supplier	"Gazpromneft – lubricants", Ltd,	
of the safety data sheet	125A, Profsoyuznaya str.,	
	Moscow, 117647, Russia.	
	Lubricants@gazprom-neft.ru Tel. +7 495 642-99-69 (between 9 AM and 6 PM Moscow time)	
	Fax +7 495 921-48-63	
Only Donwagantativa	REACHLaw Ltd.	
Only Representative	Vänrikinkuja 3 JK 21 Espoo FI-02600 Finland	
	Tel. +358(0) 9 412 3055	
	Email: sds@reachlaw.fi	
1.4 Emaganay talanhana	<u> </u>	
1.4. Emergency telephone number	1-760-476-3962 (America) 1-760-476-3961 (Europe, Middle East&Africa)	
number	1-760-476-3961 (Europe, Middle East&Africa) 1-760-476-3960 (Asia Pacific):	
	Global Response Access Code: 333497	
2. HAZARDS IDENTIFICA	1	
2.1. Classification of the sub		
Main hazards		
	No Significant Hazard	
2.2. Label elements:	The mandrest is not electified as demonstrate according to Description	
Regulation (EC) No	The product is not classified as dangerous according to Regulation	
1272/2008 (CLP):	EC 1272/2008 (CLP).	
	Special Provisions:	
A december of the standard	EUH210: Safety data sheet available on request.	
Adverse physicochemical, human health and		
environmental effects:	No other hazards	
	NO other nazards	
Ingredient(s) with unknown acute toxicity:	None	
2.3 Other hazards	NOTIC	
2.5 Other nazarus	No Significant Hazard	
French on information	No Significant Hazard	
Further information	This substance/mixture does not most the DDT/s.Ds.Diti	
	This substance/mixture does not meet the PBT/vPvB criteria of	
2 COMPOCITION/INTEGE	REACH, annex XIII.	
	MATION ON INGREDIENTS	
3.1 Substances	Not applicable, this was dust is as 1-t- 1 inter-	
	Not applicable: this product is regulated as a mixture.	

Revision 0 Revision date 01.06.2015

3.2 Mixtures (EC) No 1272/2008

Chemical Name	Index.No	CAS No	EC No	Reach Registration Number	Conc. (%w/w)	Classification
Base oil - unspecified - lubricating oils	649-484-00-0	74869-22-0	278-012-2	01-2119495601- 36-0023	95-99	Product is not classified

Description	
	All base oils contained in this product have a value of $< 3\%$ w
	DMSO extract according to IP 346/92.
Further information	,
	Full text for all Hazard statements, mentioned in this section, are
A FUNCTION AND MEACHINES	displayed in Section 16.
4. FIRST AID MEASURES	
4.1. Description of first aid Inhalation	May cause irritation to mucous membranes. Move the exposed
Illialation	person to fresh air. If symptoms persist seek medical assistance.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of
Lyc contact	water for 15 minutes holding the eyelids open. Seek medical
	advice if irritation or symptoms persist.
Skin contact	May cause irritation to skin. Wash off immediately with plenty of
	soap and water. Remove contaminated clothes. Seek medical
	advice if irritation or symptoms persist. Repeated or prolonged
	exposure may cause dermatitis.
Ingestion	May cause irritation to mucous membranes. DO NOT INDUCE
	VOMITING. Rinse mouth with water. Seek medical assistance immediately.
4.2 Most important sympto	oms and effects, both acute and delayed
Inhalation	No further relevant information available.
Eye contact	No further relevant information available.
	No further relevant information available.
Skin contact	
Ingestion	No further relevant information available.
4.3. Indication of any imme	diate medical attention and special treatment needed
	Seek medical attention if irritation or symptoms persist
5. FIRE-FIGHTING MEAS	
5.1. Extinguishing media	Use extinguishing media appropriate to the surrounding fire
	conditions (carbon dioxide (CO ₂); dry chemical; foam; sand; water
	spray). Extinguishing media which must not be used for safety
5.2 Special haranda	reasons: none in particular.
5.2. Special hazards arising from the substance	Burning produces irritating, toxic and obnoxious fumes. Combustion products highly dependent on combustion conditions.
or mixture	A complex mixture of airborne solids, liquids and gases including
or mineure	carbon monoxide, carbon dioxide and unidentified organic
	compounds will be evolved when this material undergoes
	combustion.

Revision 0 Revision date 01.06.2015

S.3. Advice for firefighters Wear suitable respiratory equipment when necessary. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions 6.3. Methods and material for or allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.		Revision date 01.06.2015
equipment, including self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental proceautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	equipment, including self-contained breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 See also section 8 and 13 Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.	5.3. Advice for firefighters	1 7 1 1
contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Bliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 1. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.		any enclosed or confined fire space without proper protective
discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling 7.2. Conditions for safe storage, including any incompatibilities Accidence was a possible authorities. Suitable material for taking up: absorbing material, organic, sand. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures 6.2. Environmental precautions 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely. 6.4. Reference to under into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.		equipment, including self-contained breathing apparatus. Collect
immediate hazard area if it can be done safely. 6. ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	6.ACCIDENTAL RELEASE MEASURES 6.1. Personal precautions, protective equipment and emergency procedures 6.2. Environmental precautions 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. 1. Precautions for safe handling 6.4. Reference to other sections 7. 2. Conditions for safe handling 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) Eliminate all sources of ignition in vicinity of spilled material. Surfaces of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbent materials, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.		contaminated fire extinguishing water separately. This must not be
6.1. Personal precautions, protective equipment and emergency procedures 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling 7.2. Conditions for safe storage, including any incompatibilities Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	6.1. Personal precautions, protective equipment and emergency procedures 6.2. Environmental precautions 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 6.2. Environmental pone adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.		discharged into drains. Move undamaged containers from
6.1. Personal precautions, protective equipment and emergency procedures 6.2. Environmental precautions 6.3. Methods and material dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	Eliminate all sources of ignition in vicinity of spilled material. Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions 6.2. Environmental precautions 6.3. Methods and material for case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 6.2. Environmental Eliminate all sources of ignition in vicinity of spilled material. Surfaces contaminated. Surfaces contaminated with the product will become slippery. Wear personal protective equipment. See protective measures under contaminated with the product will become slippery. Wear personal protective equipment. See protective measures under contaminated with the product will become slippery. Wear personal protective equipment. See protective measures under contaminated with the product will become slippery. Wear personal protective equipment. See protective equipment. 6.2. Environmental Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for taking up: absorbing material, organic, sand. 6.4. Reference to other see also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. 6.4. Conditions for safe standard protective equipment. 6.5. Environmental washing water and dispose it. In case of ent		immediate hazard area if it can be done safely.
Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	Ensure adequate ventilation of the working area. Surfaces contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.	6. ACCIDENTAL RELEAS	SE MEASURES
contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 5.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	contaminated with the product will become slippery. Wear personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.	6.1. Personal precautions,	Eliminate all sources of ignition in vicinity of spilled material.
personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	personal protection equipment. See protective measures under point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.	protective equipment and	Ensure adequate ventilation of the working area. Surfaces
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13	point 7 and 8. 6.2. Environmental precautions Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.	emergency procedures	contaminated with the product will become slippery. Wear
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13	Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.		personal protection equipment. See protective measures under
surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Suitable material for taking up: absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	surface water or drains. Retain contaminated washing water and dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Best of containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.		point 7 and 8.
dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Be appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	dispose it. In case of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.	6.2. Environmental	Do not allow to enter into soil/subsoil. Do not allow to enter into
the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	the responsible authorities. Suitable material for taking up: absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.	precautions	surface water or drains. Retain contaminated washing water and
absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities	absorbing material, organic, sand. 6.3. Methods and material for containment and cleaning up Cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Containment and clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.		dispose it. In case of entry into waterways, soil or drains, inform
6.3. Methods and material for containment and cleaning up 6.4. Reference to other sections 7. HANDLING AND STORAGE Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	Use appropriate techniques such as applying noncombustible absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections See also section 8 and 13		the responsible authorities. Suitable material for taking up:
absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Assorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. See also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	absorbent materials or pumping. Sweep up. Transfer to suitable, labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.		absorbing material, organic, sand.
labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections See also section 8 and 13 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	labeled containers for disposal. Clean spillage area thoroughly with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities No further relevant information available. No further relevant information available.	6.3. Methods and material	Use appropriate techniques such as applying noncombustible
with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities With plenty of water. See also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	with plenty of water. 6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.	for containment and	absorbent materials or pumping. Sweep up. Transfer to suitable,
6.4. Reference to other sections 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities See also section 8 and 13 Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	See also section 8 and 13 7. HANDLING AND STORAGE 7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.	cleaning up	labeled containers for disposal. Clean spillage area thoroughly
7.1. Precautions for safe handling Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.		with plenty of water.
7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) No further relevant information available.	6.4. Reference to other	See also section 8 and 13
7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	7.1. Precautions for safe handling Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) Avoid contact with skin and eyes, inhalation of vapors and mists. Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	sections	
handling Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Contaminated clothing should be changed before entering eating areas. While working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) Contaminated clothing should be changed before entering eating areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.		
areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities Areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) Areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.	7.1. Precautions for safe	
recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	recommended protective equipment. 7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.		
7.2. Conditions for safe storage, including any incompatibilities Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.	handling	
storage, including any closed. Stored in correctly labeled containers.	storage, including any closed. Stored in correctly labeled containers. 7.3. Specific end use(s) No further relevant information available.	handling	areas. Do not eat or drink while working. See also section 8 for
incompatibilities	incompatibilities 7.3. Specific end use(s) No further relevant information available.		areas. Do not eat or drink while working. See also section 8 for recommended protective equipment.
	7.3. Specific end use(s) No further relevant information available.	7.2. Conditions for safe	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly
7.3. Specific end use(s) No further relevant information available		7.2. Conditions for safe storage, including any	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly
• ' '	8. EXPOSURE CONTROLS/PERSONAL PROTECTION	7.2. Conditions for safe storage, including any incompatibilities	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers.
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s)	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.
· ,		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified -	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available.
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol)
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled.
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should
	good condition and properly maintained	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in
• • • • • • • • • • • • • • • • • • • •		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
	Eye/face protection Not needed for normal use. Anyway, operate according good	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good
	Eye/face protection Not needed for normal use. Anyway, operate according good working practices.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices.
	Eye/face protection Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
Skin protection-Hand Wear suitable gloves. Wash hands after handling the product.	Eye/face protection Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles. Skin protection-Hand Wear suitable gloves. Wash hands after handling the product.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures: Eye/face protection Skin protection-Hand	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
	Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles. Skin protection—Wear suitable gloves. Wash hands after handling the product. Protection	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures: Eye/face protection Skin protection-Hand protection	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles. Wear suitable gloves. Wash hands after handling the product.
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled.
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should
		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in
• • • • • • • • • • • • • • • • • • • •		7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.
	Eye/face protection Not needed for normal use. Anyway, operate according good	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good
	Eye/face protection Not needed for normal use. Anyway, operate according good working practices.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices.
	Eye/face protection Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures:	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
Skin protection-Hand Wear suitable gloves. Wash hands after handling the product.	Eye/face protection Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles. Skin protection-Hand Wear suitable gloves. Wash hands after handling the product.	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures: Eye/face protection Skin protection-Hand	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles.
Skin protection-Hand Wear suitable gloves. Wash hands after handling the product. protection	Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles. Skin protection—Wear suitable gloves. Wash hands after handling the product. Protection	7.2. Conditions for safe storage, including any incompatibilities 7.3. Specific end use(s) 8. EXPOSURE CONTROL 8.1. Control parameters Base oil - unspecified - lubricating oils 8.2. Exposure controls 8.2.1. Appropriate engineering controls 8.2.2. Individual protection measures: Eye/face protection Skin protection-Hand protection	areas. Do not eat or drink while working. See also section 8 for recommended protective equipment. Keep in a cool, dry, well-ventilated area. Keep containers tightly closed. Stored in correctly labeled containers. No further relevant information available. S/PERSONAL PROTECTION WEL 8-hr limit mg/m³: 5.4 (aerosol) All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Wear protective clothing. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained. Not needed for normal use. Anyway, operate according good working practices. In case of splashing, wear: approved safety goggles. Wear suitable gloves. Wash hands after handling the product.

Revision date 01 06 2015

	Revision date 01.06.2015
9. PHYSICAL AND CHEM	
Appearance	Homogenous, viscous liquid
Odour	Petroleum odor
pН	Not applicable
Pour point	< - 30 °C
Initial boiling point and	Not applicable
boiling range	
Flash point	> 210 °C (Cleveland Open Cup, ASTMD 92)
Evaporation rate	Not applicable
Upper/lower flammability	199 °C / 246 °C
Vapour density	Not applicable
Vapour pressure	<0.01 kPa
Relative density	<880 kg/m ³ (20 °C)
Solubility in water	Insoluble
Partition coefficient: n-	Not determined
octanol/water	
Auto-ignition temperature	> 339 °C
Decomposition	Not applicable
temperature	
Viscosity (at 40 °C)	41,4 – 50,6 mm ² /s (ASTM D 445)
Explosive properties	Not applicable
Oxidizing properties	Not determined
Volatile Organic	Not applicable
compounds - VOCs	
Other information	
Miscibility	Not applicable
Conductivity	Not applicable
10. STABILITY AND REA	
10.1. Reactivity	This product has no significant hazards with respect to reactivity. Stable under normal conditions
10.2. Chemical stability	Stable under normal conditions. Will not decompose if stored and
10.2. Chemical stability	used as recommended.
10.3. Passivity of	Will not occur. Stable under normal conditions.
hazardous reactions	The second secon
10.4. Conditions to avoid	Elevated temperatures, sparks and open flames.
10.5. Incompatible	Strong oxidizing agents.
materials	5 66
10.6. Hazardous	Burning produces irritating, toxic and obnoxious fumes.
decomposition products	
11. TOXICOLOGICAL IN	FORMATION
11.1. Information on toxico	
Acute Toxicity	No data available on this product.
Acute Toxicity of base oils	Acute oral/rat $LD_{50} > 5000 \text{ mg/kg}$
January of Super Olls	Acute dermal/rabbit $LD_{50} > 2000 \text{ mg/kg}$
	Acute inhalation/rat $LC_{50} > 5000 \text{ mg/m}^3$
Skin corrosion/irritation	Prolonged or repeated exposure may cause irritation to skin and
TOTAL VOICE AND A PROPERTY OF THE PROPERTY OF	mucous membranes.

Revision

Масло Gazpromneft Hydraulic HZF-46

Revision date 01.06.2015 The product has not been tested. Evaluation has been made Serious eve damage /irritation through data of components. The product has not been tested. Evaluation has been made Respiratory or skin sensitization through data of components. The product is not carcinogenic. Evaluation has been made Carcinogenicity through data of components. Base oils passed the test IP 346 (DMSO extractible compounds less than 3%) (Note H, L). 12. ECOLOGICAL INFORMATION 12.1. Toxicity Adopt good working practices, so that the product is not released into the environment. 12.2. Persistence and No date is available on this product. degradability 12.3. Bio accumulative No date is available on this product. potential 12.4. Mobility in soil No date is available on this product. No PBT Ingredients are present. 12.5. Results of PBT and vPvB assessment No components with environmental hazard properties. 12.6. Other adverse effects 13. DISPOSAL CONSIDERATIONS 13.1. Waste treatment methods Dispose of in compliance with all local and national regulations. **Disposal methods** Contact a licensed waste disposal company. Disposal of packaging Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling. **Further information** For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used. 14. TRANSPORT INFORMATION Not classified as dangerous in the meaning of transport regulations. **14.1. UN number** Not applicable. Not applicable. 14.2. UN proper shipping name 14.3. Transport hazard Not applicable. class(es) 14.4. Packing group Not applicable. 14.5. Environmental Marine pollutant: No Environmental Pollutant: No hazards 14.6. Special precautions Not applicable. for user The product is not classified as dangerous for carriage. ADR/RID **IMDG** The product is not classified as dangerous for carriage. The product is not classified as dangerous for carriage. **IATA** 15. REGULATORY INFORMATION 15.1. Safety, health and Dir. 98/24/EC (Risks related to chemical agents at work) environmental Dir. 2000/39/EC (Occupational exposure limit values) regulations/legislation Dir. 2006/8/EC specific for the substance Regulation (EC) n. 1907/2006 (REACH) or mixture Regulation (EC) n. 1272/2008 (CLP) Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013 Regulation (EU) n. 453/2010 (Annex I) Regulation (EU) n. 286/2011 (ATP 2 CLP)

Revision 0 Revision date 01.06.2015

	Regulation (EU) n. 618/2012 (ATP 3 CLP) Dispositions about directives 82/501/CE, 96/82/CE (Seveso bis), 2003/15/CE (Seveso ter): German Water Hazard Class N.A. Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:		
	Restrictions related to the product: None		
Chemical safety			
assessment	No data available on this product.		
16. OTHER INFORMATION			
Legend to abbreviations	ADR: European Agreement concerning the International Carriage		
and acronyms used in the	of Dangerous Goods by Road.		
safety data sheet:	AND: European Agreement concerning the International Carriage		
	of Dangerous Goods by Inland Waterways.		
	CAS: Chemical Abstracts Service (division of the American		
	Chemical Society). CLP: Classification, Labeling, Packaging.		
	DMSO: Dimethyl sulfoxide.		
	EC ₅₀ : Half Maximal Effective Concentration.		
	EINECS: European Inventory of Existing Commercial Chemical		
	Substances.		
	IATA: International Air Transport Association.		
	IATA-DGR: Dangerous Goods Regulation by the "International		
	Air Transport Association" (IATA).		
	LD ₅₀ : Lethal Dose to 50 % of a test population.		
	LC ₅₀ : Lethal Concentration to 50 % of a test population.		
	PBT: Persistent, Bioaccumulative and Toxic substance.		
	vPvB: Very Persistent and Very Bioaccumulative.		
	WEL: Workplace Exposure Limit.		
Further information	The information supplied in this Safety Data Sheet is designed		
	only as guidance for the safe use, storage and handling of the		
	product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made		
	to its accuracy. This information relates only to the specific		
	material designated and may not be valid for such material used in		
	combination with any other materials or in any other process.		
Revision	New version		