## Safety Data Sheet

According to Regulation (EC) No. 453/2010

SECTION 1: Identification of the substance/mixture and of the company/undertaking         11       Product Identifier         Product Form       :         Mixture       :         Product Nome       :         Product Code       :         12       Product Identifier         13.       Product Identifier         14.       Product Identified uses         Main use category       :         Industrial uses professional uses opec.       :         Non-dispersive use Used in closed systems         Function or use category       :         Lubricants and additives         1.3       Details of the supplier of the safety data sheet         PLOACK TICER         Stational information available         Stational information available <th>Date of issu</th> <th>ie: 25/02/2017</th> <th>Revision date: 25/02/2017</th> <th>Supersedes: 25/02/2017</th> <th>Version:1.0</th>	Date of issu	ie: 25/02/2017	Revision date: 25/02/2017	Supersedes: 25/02/2017	Version:1.0
Product Form       :       Mature         Product Name       :       IGER CIRCULATING OIL 460         Product Goode       :       128         Product Goode       :       :         Product Goode       :       :	SECTION 1:	Identification of the su	ubstance/mixture and of the company	y/undertaking	
Product Name       :       TGEER CIRCULATING OIL 460         Product Code       :       1728         Product Group       :       Blend         12       Product Identifier       .         13.1       Relevant Identified uses       .         Main use category       :       Industrial use, Professional use, Consumer use         Industrial/Professional use spec.       :       Non-dispersive use Used in closed systems         Function or use category       :       Lubricants and additives         12.2       Uses divide against       .         No additional information available       .       .         13.0       Details of the supplier of the safety data sheet       .         Emergency number       :	1.1 Produc	ct identifier			
Product Code : 1728 Product Group : Biend 1.2 Product identifier 1.2. Product identifier 1.2. Product identified uses Main use category : Industrial use, Professional use, Consumer use Industrial/Professional use spec. : Non-dispersive use Used in closed systems Function or use category : Ubricants and additives 1.2. Lues advised against No additional Information available 1.3. Details of the supplier of the safety data sheet BLACK TIGER 9468 Of Al-Khar] MyR Goad, Unit 1 Professional use, Spec. : 1996 11 438 2902 SECTION 2: Hazards Identification 1.4 Details of the supplier of the safety data sheet Energency number : 1966 11 438 2902 SECTION 2: Hazards Identification 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Show Auguic/Chornoff 2H 12 Full text of H-phrases: see section 16 Classification according to Directive 67/548/EEC or 1999/45/EC RE253 FUI text of H-phrases: see section 16 Classification according to Directive 67/548/EEC or 1999/45/EC RE253 7.2 Lubel elements Lubeling according to Regulation (EC) No. 1272/2008 [CLP] Show Auguic/Chornoff 2H 12 Signal word (CLP) : I + 1 Hazard Statements Advises to the environment PS01 - Dispose of	Product Form		: Mixture		
Product Group       :       Bind         1.2       Product Identified       Industrial Use, Professional use, Consumer use         Industrial/Professional use spec.       :       Industrial Use, Professional use, Consumer use         Industrial/Professional use spec.       :       Non-dispersive use Used in closed systems         Function or use category       :       Lubricants and additives         1.2.2. Uses advised againt       No additional information available         1.3       Details of the supplier of the safety data sheet       Image: Second Systems         EACK TIGEF       Ya63 Od Al-Kharj Hyr Road. Unit 1       System 1437: 749- Soud Arabia info@blacktigar.com.sa         1.4       Details of the supplier of the safety data sheet       Image: Second Systems         Emergency number       :       : 1966 11 438 2902         SECTION 2: Hazards Identification       Image: Second Systems         2.1       Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H412       Image: Second Systems         Classification according to Directive 67/548/EEC or 1999/45/EC         RE/S       Image: Second Systems         Classification according to Directive 67/548/EEC or 1999/45/EC         RE/S       Image: Second Systems         Classification according to Directive 67/548/EEC or 1999/45/EC	Product Name		: TIGER CIRCULATING OIL 46	60	
1.2       Product identifier         1.2.1. Relevant identified uses         Main use category       : Industrial / Professional use, Consumer use         Industrial / Professional use spec.       : Non-dispersive use Used in closed systems         Function or use category       : Lubricants and additives         1.2.1. Betails of the supplier of the safety data sheet       Image: Constant of the supplier of the safety data sheet         BLACK TIGER       3483 Old Al-Khari Hyt Road, Unit 1         Rysed and Al-Khari Hyt Road, Unit 1       Rysed 1438 2902         SECTION 2: Hazards identification       21         Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H12       Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H12       Full text of R-phrases: see section 16         Classification according to Directive 67548/EEC or 1999/45/EC       R2253         Full text of R-phrases: see section 18       Advance physicochemical, human health and environmental effects         No additional information available       :         2.2       Label elements         Labeling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :         Hazard statements (CLP)       :         Hazard statements (CLP)       :         Preca	Product Code		: 1728		
1.2.1. Relevant identified uses         Main use category       :       Industrial use, Professional use, Consumer use         Industrial/Professional use spec.       :       Nor-dispersive use Used in closed systems         Function or use category       :       Lubricants and additives         1.2.2. Uses advised against       No         No additional information available       Information available         1.3 Details of the supplier of the safety data sheet       ELACK TIGER         2483 Old Al-Kharj Hy Road, Unit 1       Riyadh 14371-6749- Saudi Arabia         Riyadh 14371-6749- Saudi Arabia       Indo@blacklice.com.sa         1.4 Details of the supplier of the safety data sheet       Emergency number         Emergency number       :       +966 11 438 2902         SECTION 2: Hazards identification       Ecosification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP] Show       AquaticChronic3 H412         Full text of R-phrases: see section 16       Classification according to Directive 67/54/EEC or 1999/45/EC         Classification according to Directive 67/54/EEC or 1999/45/EC       RS2/53         Full text of R-phrases: see section 16       Adverse physicochemical, human health and environmental effects         No additional information available       :         2.2       Label idements	Product Group	,	: Blend		
Main use category : Industrial use, Professional use, Consumer use Industrial/Professional use spec. : Non-dispersive use Used in closed systems Function or use category : Lubricants and additives <b>1.2.2. Luses advised against</b> No additional information available <b>1.3. Details of the supplier of the safety data sheet</b> BLACK TIGEE 4383 Old Al-Khari Hyr Road, Unit 1 Riyadh 14371-6749- Saudi Arabia info@blacktiger.com.sa <b>1.4. Details of the supplier of the safety data sheet</b> Emergency number : +966 11 438 2902 <b>SECTION 2: Hazards identification</b> <b>2.1 Classification of the substance or mixture</b> <b>Classification according to Regulation (EC) No. 1272/2008 (CLP) Show</b> AquaticChronic3 H412 Full ext of H-phrases: see section 16 <b>Classification according to Directive 67/548/EEC or 1999/45/EC</b> R5253 Full ext of R-phrases: see section 16 <b>Classification according to Directive 67/548/EEC or 1999/45/EC</b> R5253 Full ext of H-phrases: see section 16 <b>Classification available</b> <b>2.2 Label elements</b> Labelling according to Regulation (EC) No. 1272/2008 [CLP] Show Advised physicochemical, human health and environmental effects No additional information available <b>2.2 Label elements</b> Labelling according to Regulation (EC) No. 1272/2008 [CLP] Signal word (CLP) : : : - Hazard statements (CLP) : : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contentis/container in accordiance with local/regional/national/interimational regulations Friezutionary statements (CLP) : : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contentis/container in accordiance with local/regional/national/interimational regulations Friezutionary statements (SLP) : : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contentis/container in accordiance with local/regional/national/interimational regulations Friezutionary statements (SLP) : : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispos	1.2 Produc	ct identifier			
Industrial/Poressional use spec.       i. Non-dispersive use Used in closed systems         Function or use category       i. Lubricants and additives         1.2.2. Uses advised against       Non-dispersive use Used in closed systems         No additional information available       Information available         1.3 Details of the supplier of the safety data sheet       Information available         BLACK TIGER       3463 Old Al-Kharj Hyt Road, Unit 1         Riyadh 14371-6749- Saudi Arabia       Information available         1.4 Details of the supplier of the safety data sheet       Information available         Emergency number       : +966 11 438 2902         SECTION 2: Hazards Identification       Information according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H412       Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC       RS2/53         Full text of R-phrases: see section 16       Adverse physicochemical, human health and environmental effects         No additional information available       :         2.2 Label elements       :         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :         No additional information available         2.1 Label elements       :         Labelling according to Regulation (EC) N	1.2.1. Releva	nt identified uses			
Function or use category       :       Lubricants and additives         1.2.2. Uses advised against       No additional information available         1.3. Details of the supplier of the safety data sheet       ELACK TIGER         9463 Old Al-Kharj Hyt Road, Unit 1       Hysdin 1437-16749-Saudi Arabia         info@blacktiger.com.sa       Into Patients of the supplier of the safety data sheet         Emergency number       :       +966 11 438 2902         SECTION 2: Hazards Identification       Into Patients Identification         2.1       Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         Aquatic/Chronic3 H412       Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC       RS2/53         Full text of H-phrases: see section 16       Adverse physicochemical, human health and environmental effects         No additional information available       :         2.2       Label elements         Labeling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :         Hazard statements (CLP)       :         Hazard statements (CLP)       :         Precautionary statements (CLP)       :         Precautionary statements (CLP)       :         Paradol Statements (CLP)       :         Precauti	Main use cate	gory	: Industrial use, Professional us	e,Consumer use	
1.2.2. Uses advised against No additional information available         1.3 Details of the supplier of the safety data sheet         BLACK TIGER 3463 0016 A-Khari Hyt Road, Unit 1 Riyadh 14371-6749- Saudi Arabia info@blacktiger.com.sa         1.4 Details of the supplier of the safety data sheet         Emergency number       ± +966 11 438 2902         SECTION 2: Hazards identification         2.1 Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP] Show AquaticChronic3 H412 Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC RS2/53 Full text of R-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC RS2/53 Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects No additional information available         2.2 Label elements         Label lign according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       : - H412 - Harmful to aquatic life with long lasting effects         Precautionary statements (CLP)       : P102 - Keep out of reach or children P273 - Avoid release to the environment P501 - Dispos of contentis/container in accordance with local/regional/international regulations         EUH phrases       : EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction	Industrial/Profe	essional use spec.	: Non-dispersive use Used in c	losed systems	
No additional information available  1.3 Details of the supplier of the safety data sheet BLACK TIGER 3463 Old Al-Kharj Hyt Road, Unit 1 Riyadh 14371-6749- Saudi Arabia info@blacktiger.com.sa  1.4 Details of the supplier of the safety data sheet Emergency number : +966 11 438 2902  SECTION 2: Hazards Identification 2.1 Classification of the substance or mixture Classification according to Regulation (EC) No. 1272/2008 [CLP] Show AquaticChronic3 H412 Full text of R-phrases: see section 16 Classification according to Directive 67/548/EEC or 1999/45/EC RS253 Full text of R-phrases: see section 18 Classification according to Regulation (EC) No. 1272/2008 [CLP] Show AquaticChronic3 H412 Full text of R-phrases: see section 18 Classification according to Directive 67/548/EEC or 1999/45/EC RS253 Full text of R-phrases: see section 18 Classification according to Regulation (EC) No. 1272/2008 [CLP] Signal word (CLP)	Function or use	e category	: Lubricants and additives		
BLACK TIGER 3463 Old Al-Kharj Hyt Road, Unit 1 Riyadh 14371-6749- Saudi Arabia info@blacktiger.com.sa <b>1.4 Details of the supplier of the safety data sheet</b> Emergency number : +966 11 438 2902 <b>SECTION 2: Hazards identification</b> <b>2.1 Classification of the substance or mixture</b> <b>Classification according to Regulation (EC) No. 1272/2008 [CLP] Show</b> AquaticChronic3 H412 Full text of H-phrases: see section 16 <b>Classification according to Directive 67/548/EEC or 1999/45/EC</b> R52/53 Full text of R-phrases: see section 16 <b>Adverse physicochemical, human health and environmental effects</b> No additional information available <b>2.2 Label elements</b> <b>Labelling according to Regulation (EC) No. 1272/2008 [CLP]</b> Signal word (CLP) : - Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects Precautionary statements (CLP) : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in according regulations EUH phrases : EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction Child-resistant fastening : No					
3463 Old Al-Kharj Hyt Road, Unit 1         Riyadi 14371-6749- Saudi Arabia         Info@blacktiger.com.sa         1.4       Details of the supplier of the safety data sheet         Emergency number       : +966 11 438 2902         SECTION 2: Hazards identification         2.1       Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H412         Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC         R52/53         Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2       Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       : -         Hazard statements (CLP)       : -         Hazard statements (CLP)       : -         Y102 - Keep out of reach of childrane Vironmental regulations         of contents/container in accordance with local/mational/mational/international regulations         EUH phrases       : -         Hazard statements (CLP)       : -         Hazard statements (CLP)       : -         Hazard statements (CLP)       <	1.3 Details	of the supplier of the s	afety data sheet		
SECTION 2: Hazards identification         2.1       Classification of the substance or mixture         Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H412         Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC         R52/53         Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2       Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       : -         Hazard statements (CLP)       : -         Hazard statements (CLP)       : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulations         EUH phrases       : EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction         Child-resistant fastening       : No	info@blacktige	r.com.sa	afety data sheet		
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Classification according to Regulation (EC) No. 1272/2008 [CLP] Show         AquaticChronic3 H412         Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC         R52/53         Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2       Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       : -         Hazard statements (CLP)       : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispos of contents/container in accordance with local/regional/national/international regulations         EUH phrases       : EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction         Child-resistant fastening       : No	SECTION 2:	Hazards identification			
AquaticChronic3 H412         Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC         R52/53         Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2       Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       : -         Hazard statements (CLP)       : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulations         EUH phrases       : EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction         Child-resistant fastening       : No	2.1 Classi	fication of the substance	e or mixture		
Full text of H-phrases: see section 16         Classification according to Directive 67/548/EEC or 1999/45/EC         R52/53         Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2       Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :         Hazard statements (CLP)       :         Precautionary statements (CLP)       :         Precautionary statements (CLP)       :         Physicontainer in accordance with local/regional/national/international regulations         EUH phrases       :         EUH phrases       :         EUH phrases       :         EUH phrases       :         No       :	Classification	according to Regulation	1 (EC) No. 1272/2008 [CLP] Show		
R52/53         Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2       Label elements         Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :         Hazard statements (CLP)       :         Precautionary statements (CLP)       :         P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulations         EUH phrases       :         EUH phrases       :         EUH phrases       :         Wild resistant fastening       :					
Full text of R-phrases: see section 16         Adverse physicochemical, human health and environmental effects         No additional information available         2.2 Label elements         Label elements         Label of Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :       :         Hazard statements (CLP)       :       H412 - Harmful to aquatic life with long lasting effects         Precautionary statements (CLP)       :       P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulations         EUH phrases       :       EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction         Child-resistant fastening       :       No	Classification	according to Directive	67/548/EEC or 1999/45/EC		
No additional information available 2.2 Label elements Labelling according to Regulation (EC) No. 127/2008 [CLP] Signal word (CLP) :		hrases: see section 16			
Labelling according to Regulation (EC) No. 1272/2008 [CLP]         Signal word (CLP)       :         Hazard statements (CLP)       :         Precautionary statements (CLP)       :         Precautionary statements (CLP)       :         Precautionary statements (CLP)       :         P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulations         EUH phrases       :         Child-resistant fastening       :         No			alth and environmental effects		
Signal word (CLP):Hazard statements (CLP):Hazard statements (CLP):Precautionary statements (CLP):P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulationsEUH phrases:Child-resistant fastening:No					
Hazard statements (CLP):H412 - Harmful to aquatic life with long lasting effectsPrecautionary statements (CLP):P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulationsEUH phrases:EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reactionChild-resistant fastening:No	Labelling acc	ording to Regulation (E	C) No. 1272/2008 [CLP]		
Precautionary statements (CLP)       : P102 - Keep out of reach of children P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local/regional/national/international regulations         EUH phrases       : EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reaction         Child-resistant fastening       : No			: -		
EUH phrases:EUH208 - Contains Aryl amine(90-30-2). May produce an allergic reactionChild-resistant fastening:No			: P102 - Keep out of reach of c	hildren P273 - Avoid release to the environ	
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### 2.3 Other hazards

No additional information available

Safetv Data Sheet According to Regulation (EC) No. 453/2010

### SECTION 3: Composition/information on ingredients

#### 3.1 **Substances**

### Not applicable

#### **Mixture** 3.2

Name	Product identifier	%	Classification according 1272/2008 [CLP]	to Regulation (EC) No.
Solvent naphtha (petroleum), heavy aromatic	(CAS No) 64742-94-5. (EC no) 265-198-5. (EC index no) 649-424-00-3	0,1-0,99	STOT SE 3, H336. Tox. 1, H304 Chronic 2, H411	Asp. Aquatic
alkylphenol	(CAS No) 128-39-2 (EC no) 204-884-0. (REACH-no) 01-2119490822-33	0,1-0,99	Skin Irrit. 2, H315 Acute 1, H400 1, H410	Aquatic Aquatic Chronic
Aryl amine	(CAS No) 90-30-2 (EC no) 201-983-0	0,1-0,24	Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400	Skin Sens. 1, H317 Aquatic Chronic 1, H410
Naphthalene	(CAS No) 91-20-3 (EC no) 202-049-5 (EC index no) 601-052-00-2	0,1-0,24	Acute Tox. 4 (Oral), H302 Acute 1, H400	Carc. 2, H351. Aquatic Aquatic Chronic 1, H410

Full text of R-, H- and EUH-phrases: see section 16

### SECTION 4: First aid measures

irst-aid measures after inhalation       : Not expected to require first aid measures.         irst-aid measures after skin contact       : Wash skin with mild soap and water.         irst-aid measures after ingestion       : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.         .2       Most important symptoms and effects, both acute and delayed         wymptoms/injuries after inhalation       : Not expected to present a significant inhalation hazard under anticipated conditions of use.         ymptoms/injuries after inhalation       : Not expected to present a significant skin hazard under anticipated conditions of use.         ymptoms/injuries after inhalation       : Not expected to present a significant eye contact hazard under anticipated conditions of use.         ymptoms/injuries after inhalation       : Not expected to present a significant ingestion hazard under anticipated conditions of use.         ymptoms/injuries after inhalation       : Not expected to present a significant ingestion hazard under anticipated conditions of use.         ymptoms/injuries after inhalation       : Not expected to present a significant ingestion hazard under anticipated conditions of use.         3       Indication of any immediate medical attention and special treatment needed       Indication of any immediate medical attention and special treatment.         10       Extinguishing media       : Water fog. Foam. Powder. Dry chemical product.         11       Extinguishing media       : Do not term fire area wit	Ad Description of first still	
irst-aid measures after skin contact Wash skin with mild soap and water. Wash skin water for 10-15 minutes. Wash skin with mild soap and water. Wash skin with mild soap and water. Wash skin with mild soap and water. Wash skin water for 10-15 minutes. Wash skin with mild soap and water. Wash skin water for 10-15 minutes. Wash skin with mild soap and water. Wash skin water for 10-15 minutes. Wash skin with mild soap and water. Wash skin water for to the section of the significant inhalation hazard under anticipated conditions of use. Wash skin water for present a significant skin hazard under anticipated conditions of normal use. Wash skin water for present a significant ingestion hazard under anticipated conditions of use. Wash skin water for present a significant ingestion hazard under anticipated conditions of use. Wash skin water for the subclass and significant ingestion hazard under anticipated conditions of use. Wash skin water for for any inmediate medical attention and special treatment needed Is additional information available Is Utable skinguishing media Water for forming the substance or mixture Water for forming the substance or mixture Water for forming the substance or mixture Water for cooling exposed containers. Water for cooling exposed containers. Water for cooling exposed containers. Water suitable water syray or fog for cooling exposed containers. Water suitable protective couling and gloves. Water for forming the substance or mixture Water for cooling and gloves. Water for forming the substance or mixture Water suitable protective		Not expected to require first aid massaures
inclease of eye contact       in case of eye contact, immediately rinse with clean water for 10-15 minutes.         irst-aid measures after ingestion       in case of eye contact, immediately rinse with clean water for 10-15 minutes.         2. Most important symptoms and effects, both acute and delayed         symptoms/injuries after inhalation       : Not expected to present a significant inhalation hazard under anticipated conditions of use.         symptoms/injuries after skin contact       : Not expected to present a significant eye contact hazard under anticipated conditions of use.         symptoms/injuries after ingestion       : Not expected to present a significant eye contact hazard under anticipated conditions of use.         symptoms/injuries after ingestion       : Not expected to present a significant ingestion hazard under anticipated conditions of use.         andication of any immediate medical attention and special treatment needed       io additional information available         is Extinguishing media       : Water fog. Foam. Powder. Dry chemical product.         insuitable extinguishing media       : Do not use a heavy water stream.         a Advice for firefighting       : Do not enter fire area without proper stream.         a Advice for firefighting       : Do not enter fire area without proper protective equipment, including respiratory protectect         intable extinguishing media       : Water suitable protective clothing and gloves.         a Advice for firefighting       : Do not enter fire area without		
inst-aid measures after ingestion       Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.         2       Most important symptoms and effects, both acute and delayed         symptoms/injuries after inhalation       Not expected to present a significant inhalation hazard under anticipated conditions of normal use.         symptoms/injuries after skin contact       Not expected to present a significant skin hazard under anticipated conditions of normal use.         symptoms/injuries after ingestion       Not expected to present a significant ingestion hazard under anticipated conditions of normal use.         andication of any immediate medical attention and special treatment needed       to expected to present a significant ingestion hazard under anticipated conditions of use.         a Indication of any immediate medical attention and special treatment needed       to expected to present a significant ingestion hazard under anticipated conditions of use.         a Advice for firefighting measures       Indication of any immediate medical attention and special treatment needed         a Advice for firefighting media       Do not use a heavy water stream.         a Advice for firefighting media       Do not use a heavy water stream.         a Advice for firefighters       Exercise caution when fighting any chemical fire.         treactionary measures fire       Exercise caution when fighting any chemical fire.         treaction firefighters       Use water spray or fog for cooling exposed containers.         t		
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use.       use.         symptoms/injuries after skin contact       : Not expected to present a significant skin hazard under anticipated conditions of normal use.         symptoms/injuries after ingestion       : Not expected to present a significant ingestion hazard under anticipated conditions of use.         symptoms/injuries after ingestion       : Not expected to present a significant ingestion hazard under anticipated conditions of use.         ad indication of any immediate medical attention and special treatment needed       ise.         iso additional information available       :         ECTION 5: Firefighting media       : Water fog. Foam. Powder. Dry chemical product.         isolational information available       :         2. Special hazards arising from the substance or mixture       :         isolational information available       :         3.3 Advice for firefighters       :         treactionary measures fire       :       Exercise caution when fighting any chemical fire.         irefighting instructions       :       Use water spray or fog for cooling exposed containers.         iterifyting instructions, protective equipment and emergency procedures       :       :         i,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1		
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use.         .3       Indication of any immediate medical attention and special treatment needed         to additional information available         ECTION 5: Firefighting measures         .1       Extinguishing media         tuitable extinguishing media       : Water fog. Foam. Powder. Dry chemical product.         Insuitable extinguishing media       : Do not use a heavy water stream.         .2       Special hazards arising from the substance or mixture         to additional information available	Symptoms/injuries after eye contact	
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Insuitable extinguishing media       :       Do not use a heavy water stream.         .2       Special hazards arising from the substance or mixture         to additional information available	· · ·	
2       Special hazards arising from the substance or mixture         Io additional information available         .3       Advice for firefighters         Precautionary measures fire       :       Exercise caution when fighting any chemical fire.         irefighting instructions       :       Use water spray or fog for cooling exposed containers.         Protection during firefighting       :       Do not enter fire area without proper protective equipment, including respiratory protective         SECTION 6: Accidental release measures       :       Do not enter fire area without proper protective equipment, including respiratory protective         SECTION 6: Accidental release measures       :       Do not enter fire area without proper protective equipment, including respiratory protective         Statistic field       :       Do not enter fire area without proper protective equipment, including respiratory protective         SECTION 6: Accidental release measures       :       Do not enter fire area without proper protective equipment, including respiratory protective         Statistic field       :       :       Do not enter fire area without proper protective equipment, including respiratory protective         Statistic field       :       :       :       :         Advice equipment       :       :       :         :1.1.       :       :       :         :2.2		: Water fog. Foam. Powder. Dry chemical product.
Advice for firefighters   recautionary measures fire   : Exercise caution when fighting any chemical fire.   irefighting instructions   : Use water spray or fog for cooling exposed containers.   : Do not enter fire area without proper protective equipment, including respiratory protective   ECTION 6: Accidental release measures   : Personal precautions, protective equipment and emergency procedures   : 1.1. For non-emergency personnel   Protective equipment   : Wear suitable protective clothing and gloves.   : 1.2. For emergency responders   Protective equipment   : Wear suitable protective clothing and gloves.   : 2. Environmental precautions   revent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.   : 3. Methods and material for containment and cleaning up   for containment   (ethods for cleaning up   : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.   : Spill area may be slippery. Use suitable disposal containers.   : 4. Reference to other sections		•
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Protection during firefighting       : Do not enter fire area without proper protective equipment, including respiratory protective         EECTION 6: Accidental release measures         .1       Personal precautions, protective equipment and emergency procedures         .1.1.       For non-emergency personnel         Protective equipment       : Wear suitable protective clothing and gloves.         .1.2.       For emergency responders         Protective equipment       : Wear suitable protective clothing and gloves.         .2       Environmental precautions         Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.         .3       Methods and material for containment and cleaning up         for containment       : Impound and recover large spill by mixing it with inert granular solids.         Alethods for cleaning up       : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         .3       Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	Precautionary measures fire	: Exercise caution when fighting any chemical fire.
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.1       Personal precautions, protective equipment and emergency procedures         6.1.1       For non-emergency personnel         Protective equipment       :         6.1.2.       For emergency responders         Protective equipment       :         6.1.2.       For emergency responders         Protective equipment       :         Wear suitable protective clothing and gloves.         2.1.2.       Environmental precautions         Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.         3.3       Methods and material for containment and cleaning up         For containment       :         Methods for cleaning up       :         Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Detergent. Take up bippery. Use suitable disposal containers.         A       Reference to other sections	Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protecti
6.1.1. For non-emergency personnel       ····································	SECTION 6: Accidental release measur	es
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Protective equipment       : Wear suitable protective clothing and gloves.         .2       Environmental precautions         Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.         .3       Methods and material for containment and cleaning up         For containment       : Impound and recover large spill by mixing it with inert granular solids.         Methods for cleaning up       : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Other information       : Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	Protective equipment	: Wear suitable protective clothing and gloves.
.2       Environmental precautions         Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.         .3       Methods and material for containment and cleaning up         For containment       :       Impound and recover large spill by mixing it with inert granular solids.         Methods for cleaning up       :       Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Other information       :       Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	6.1.2. For emergency responders	
Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.         .3       Methods and material for containment and cleaning up         For containment       Impound and recover large spill by mixing it with inert granular solids.         Methods for cleaning up       Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Other information       Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	Protective eauipment	: Wear suitable protective clothing and gloves.
.3       Methods and material for containment and cleaning up         For containment       : Impound and recover large spill by mixing it with inert granular solids.         Methods for cleaning up       : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Other information       : Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	6.2 Environmental precautions	
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Alethods for cleaning up       : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.         Other information       : Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	6.3 Methods and material for containm	ent and cleaning up
Other information       : Spill area may be slippery. Use suitable disposal containers.         .4       Reference to other sections	For containment	: Impound and recover large spill by mixing it with inert granular solids.
.4 Reference to other sections	Methods for cleaning up	: Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.
	Other information	
lo additional information available	6.4 Reference to other sections	
	No additional information available	

### Safety Data Sheet

According to Regulation (EC) No. 453/2010

SECTION 7: Handling and storage				
7.1 Precautions for safe handling				
Precautions for safe handling Handling temperature Hygiene measures	<ul> <li>Avoid all unnecessary exposure. Both local exhaust &amp; general room ventilation are usually</li> <li>required.</li> <li>&lt; 40°C</li> <li>Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.</li> </ul>			
7.2 Conditions for safe storage, including any incompatibilities				
Storage temperature	: <40°C			
Storage area	: Store in dry, cool, well-ventilated area.			
7.3 Specific end use(s)				
No additional information available				
SECTION 8: Exposure controls/persona 8.1 Control parameters	al protection			
Naphthalene (91-20-3)				
EU	IOELV TWA (ppm)	10 ppm		
EU	IOELV STEL (mg/m3)	15 mg/m3		
Austria	MAK (mg/m3)	50 mg/m3		
Belgium	Limit value (mg/m3)	50 mg/m3		
Belgium	Short time value (mg/m3)	53 mg/m3		
Bulgaria	OEL TWA (mg/m3)	50 mg/m3 8h		
Bulgaria	OEL STEL (mg/m3)	75 mg/m3 15 min.		
France	VME (mg/m3)	50 mg/m3		
Germany	TRGS 900 Occupational exposure limit value (mg/ m3)	50 mg/m3		
Italy - Portugal - USA ACGIH	ACGIH TWA (mg/m3)	10 mg/m3		
Italy - Portugal - USA ACGIH	ACGIH STEL (mg/m3)	15 fibers/cm3		
The Netherlands	MAC TGG 8H (mg/m3)	50 mg/m3		
The Netherlands	MAC TGG 15MIN (mg/m3)	80 mg/m3		
United Kingdom	WEL TWA (mg/m3)	50 mg/m3		
Denmark	Grænseværdie (kortvarig) (mg/m3)	50 mg/m3		
Finland	HTP-arvo (8h) (mg/m3)	5 mg/m3		
Finland	HTP-arvo (15 min)	100 mg/m3		

Additional Information

: 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).

### 8.2 Exposure controls

Personal protective equipment

Hand protection Skin and body protection Respiratory protection : Safety glasses. Gloves.



- : Permeation time: minimum >480min long term exposure; material / thickness [mm]: >0,35 mm.
- : No special clothing/skin protection equipment is recommended under normal conditions of use. No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Safety Data Sheet According to Regulation (EC) No. 453/2010

SECTION 9: Physical and chemical propert	SECTION 9: Physical and chemical properties		
9.1 Information on basic physical and cho			
Physical state	: Liquid.		
Appearance	Liquid.		
Colour	· Yellow-brown		
Odour	Characteristic		
Odour threshold	No data available.		
pH	No data available.		
Relative evaporation rate (butylacetate=1)	No data available.		
Melting point	No data available.		
Freezing point	No data available.		
Boiling point	No data available.		
Flash point	: >290 °C @ ASTM D92		
Self ignition temperature	No data available.		
Decomposition temperature	No data available.		
Flammability (solid, gas)	No data available.		
Vapour pressure	No data available.		
Relative vapour density at 20 °C	No data available.		
Relative density	No data available.		
Density	: 898 kg/m3 @15°C		
Solubility	Slightly soluble, the product remains on the water surface.		
Log Pow	No data available.		
Viscosity, kinematic	: 460 mm2/s @ 40°C		
Viscosity, dynamic	No data available.		
Explosive properties	No data available.		
Oxidising properties	No data available.		
Explosive limits	No data available.		
9.2 Other information			
No additional information available			
SECTION 10: Stability and reactivity			
10.1 Reactivity			
None under normal conditions.			
10.2 Chemical stability			
Stable under normal conditions.			
10.3 Possibility of hazardous reactions			
None under normal conditions.			
10.4 Conditions to avoid			
No data available.			
10.5 Incompatible materials			
Strong oxidizers. acids. Bases.			
10.6 Hazardous decomposition products			
None under normal conditions.			
SECTION 11: Toxicological information			
11.1 Information on toxicological effects			
Acute toxicity	: Not classified		
TIGER CIRCULATING OIL 460			
LD50 oral rat	2600 mg/kg		
LD50 dermal rabbit	> 2500 mg/kg		
Skin corrosion/irritation	: Not classified		
Serious eye damage/irritation Respiratory or skin sensitisation	: Not classified : Not classified		
Germ cell mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Reproductive toxicity	: Not classified		
Specific target organ toxicity (single exposure)	: Not classified		
Specific target organ toxicity (repeated exposure)	: Not classified		
Aspiration hazard	: Not classified		

# Safety Data Sheet

According to Regulation (EC) No. 453/2010

SECTION 12: Ecological information	
12.1 Toxicity	
Ecology - general	: Harmful to aquatic life with long lasting effects.
Naphthalene (91-20-3)	
LC50 fish 1	< 10 mg/l 96h
	< 10 mg/i 98n 0,51 mg/kg
LC50 fish 2	
LC50 other aquatic organisms 1	48h, Daphnia
EC50 Daphnia 1	3,4 mg/l
EC50 Daphnia 2	< 10 mg/l
12.2 Persistence and degradability	
TIGER CIRCULATING OIL 460	
Persistence and degradability	Not soluble in water, so only minimally biodegradable.
Naphthalene (91-20-3)	
Persistence and degradability	Inherently biodegradable.
12.3 Bioaccumulative potential	
No additional information available	
12.4 Mobility in soil	
No additional information available	
12.5 Results of PBT and vPvB assessment	
No additional information available	
12.6 Other adverse effects No additional information available	
SECTION 13: Disposal considerations	
SECTION 15. Disposal considerations	
12.1 Waste treatment methods	
13.1 Waste treatment methods	Dispose in a safe manner in accordance with local/national regulations
Additional information	Dispose in a safe manner in accordance with local/national regulations
Additional information SECTION 14: Transport information	·
Additional information SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA	·
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### Safety Data Sheet

According to Regulation (EC) No. 453/2010

### SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

:

#### 15.1.1 EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

#### 15.1.2 National regulations

#### No Additional Information Available

#### 15.2. Chemical safety assessment

No additional information available

### SECTION 16: Other information.

ACGIH: American Conference of Governmental Industrial Hygienists
TWA: Time Weighted Average
TLV: Threshold Limit Value
ASTM: American Society for Testing and Materials
ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin
IMDG: International Maritime Dangerous Goods
ICAO: International Civil Aviation Organization
IATA: International Air Transport Association
STEL: Short Term Exposure Limit
 LD50: median Lethal Dose for 50% of subjects
ATE: acute toxicity estimate

Other information

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

#### Full text of R-, H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H336	May cause drowsiness or dizziness
R22	Harmful if swallowed
R38	Irritating to skin
R40	Limited evidence of a carcinogenic effect
R43	May cause sensitisation by skin contact
XI	Irritant
Xn	Harmful

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.