#### Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

Date of issue: 02/02/2017

Revision date: 04/02/2017

Supersedes: 04/02/2017

7 Version:1.0

SECTION 1: Identification of the substance	SECTION 1: Identification of the substance/mixture and of the company/undertaking				
1.1 Product identifier					
Product Form	:	Mixture			
Product Name	:	TIGER S	PORTER	R 15W40	
Product Code	:	1504			
Product Group	:	Blend			
1.2 Product identifier					
1.2.1 Relevant identified uses					
Main use category	:			essional use,Consumer use	
Industrial/Professional use spec.	:			e Used in closed systems	
Function or use category	:	Lubricant	s and ad	altives	
1.2.2 Uses advised against					
No additional information available	abaat				
1.3 Details of the supplier of the safety data	sneet				
BLACK TIGER 3463 Old Al-Kharj Hyt Road, Unit 1					
Riyadh 14371-6749- Saudi Arabia					
info@blacktiger.com.sa					
1.3 Details of the supplier of the safety data	sheet				
Emergency number	:	+966 11 4	138 2902		
SECTION 2: Hazards identification					
2.1 Classification of the substance or mixtur	e				
Classification according to Regulation (EC) No.					
Not classified					
2.2 Label elements					
Labelling according to Regulation (EC) No. 127	2/2008 [CLP]				
EUH phrases	:			s MOB Calcium branched chain alkyl phenate. May	
			produce an allergic reaction		
			- Satety d	lata sheet available on request	
Child-resistant fastening	:	No			
Tactile warning	:	No			
2.3 Other hazards					
No additional information available					
SECTION 3: Composition/information on in	gredients				
3.1 Substances					
Not applicable					
3.2 Mixture					
Name	Product identifier		%	Classification according to Directive 67/548/ EEC	
Mineral oil			1 - 4,99	Asp, Tox, 1, H304	
Phenol, dodecyl-, branched	(EC no) 310-154-3.		0.1-0,99	Skin Irrit. 2, H315	
-	(REACH-no) 01-211951	3207-49		Eye Irrit. 2, H319.	
				Repr. 2, H361f Aquatic Acute 1, H400.	
				Aquatic Chronic 1, H410 (M=10)	

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

## Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SECTION 4: First aid measures	
4.1 Description of first aid measures	
First-aid measures after inhalation	: Not expected to require first aid measures.
First-aid measures after skin contact	: Wash skin with mild soap and water.
First-aid measures after eye contact	: In case of eye contact, immediately rinse with clean water for 10-15 minutes.
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.
4.2 Most important symptoms and effe	ects, 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 eye contact	Not expected to present a significant eye contact 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.
4.3 Indication of any immediate medica	al attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1 Extinguishing media	
Suitable extinguishing media	: Water fog. Foam. Powder. Dry chemical product.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2 Special hazards arising from the su	ubstance or mixture
No additional information available	
5.3 Advice for firefighters	
Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
	: Do not enter fire area without proper protective equipment, including respiratory protection.
Protection during firefighting SECTION 6: Accidental release measu	: Do not enter fire area without proper protective equipment, including respiratory protection.
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SECTION 8: Exposure controls/pers				
8.1 Control parameters				
Hydrocarbons, C11-C14, n-alkanes, iso-	alkanes, cyclic, <2% aromatics			
Belgium	Limit value (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> 06/2011		
Belgium	Short time value (mg/m3)	10 mg/m <sup>3</sup> 06/2011		
Additional Information		day) recommended, based upon the ACGIH TLV (Analysis 6, NIOSH Manual of Analytical Methods, 3rd Edition).		
8.2 Exposure controls				
Personal protective equipment	: Safety glasses. Gloves.			
Hand protection	: Wear suitable gloves resistant to che	mical penetration.		
Skin and body protection	: No special clothing/skin protection ed	uipment is recommended under normal conditions of use.		
Respiratory protection		ipment is recommended under normal conditions of use with		
	adequate ventilation.			
SECTION 9: Physical and chemical p	properties			
9.1 Information on basic physical an	d chemical properties.			
Physical state	: Liquid.			
Appearance	· Oily 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	: >220°C@ASTMD92			
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	: 885 kg/m3 @15°C			
Solubility	: Slightly soluble, the product remains	on the water surface.		
Log Pow	: No data available.			
Viscosity, kinematic	: 155 mm2/s @ 40°C			
Viscosity, dynamic	: 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				
10.3 Possibility of hazardous reaction	S			
None under normal conditions				

None under normal conditions.

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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
Mineral oil	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (mg/l) Benzenesulfonic acid, mono-C16-24-alkyl deriv	> 5000 mg/1/4 mg/m <sup>3</sup> @ 4h
LD50 oral rat	> 5000 mg/kg OECD 401
LD50 dermal rabbit	> 5000 mg/kg OECD 402
LC50 inhalation rat (Vapours - mg/1/4h)	> 1,7 mg/l/4h EPA OPP 81-3
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation Germ cell mutagenicity	<ul> <li>Not classified</li> <li>Not classified</li> </ul>
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Specific target organ toxicity (single exposure)	: Not classified
Benzenesulfonic acid, mono-C16-24-alkyl deriv	
NOAEL (acute, oral, animal/male)	> 5000 mg/kg bodyweight OECD 407
Specific target organ toxicity (repeated exposure)	
Aspiration hazard	: Not classified
Viscosity, Kinematic	158 mm²/s @ 40 °C
SECTION 12: Ecological information	
12.1 Toxicity	
Ecology - general	: Based on available data, the classification criteria are not met.
Benzenesulfonic acid, mono-C16-24-alkyl deriv	
LC50 fish 1	40 mg/l Pimephales promelas
EC50 Daphina 1	0,037 mg/l
EC50 Daphina 2 EC50 other aquatic organisms 1	0,0079 mg/l @21d 0,36 mg/l Chlorophyta
EC50 other aquatic organisms 2	> 1000 mg/l @0,1d - Slib
EC50 96h algae (2)	> 0,58 mg/l Mysidopsis Bahia
NOEC (chronic)	0,0037 mg/l @21d - Daphnia
Mineral oil	
LC50 fish 1	> 100mg/l pimephaies propelas @ 4d
EC50 Daphina 1	> 10000 mg/1
EC50 Daphina 2	> 10 mg/1 21d
EC50 96h algae (1)	> 100 mg/1 3d - chiorophyta
NOEC (chronic) Benzenesulfonic acid, mono-C16-24-alkyl deriv	> 10 mg/1 21d
LC50 fish 1	> 1000 mg/l pimephales promelas
LC50 fish 2	> 10000 mg/l cyprinodon variegatus
EC50 Daphina 1	> 10000 mg/1
EC50 other aquatic organisms 2	> 10000 mg/l 0,1d - slib
EC50 96h algae (1)	> 1000 mg/l Chlorophyta
Phosphorodithioic acid, mixed O,O-bis(1,3-dim	
LC50 fish 1	4,5 mg/l Oncorhynchus mykiss
LC50 fish 2	46 mg/l Cyprinodon varietagus
EC50 Daphina 1 EC50 Daphina 2	23 mg/l
EC50 Daphina 2 EC50 other aquatic organisms 2	0,8 mg/l @21d 10000 mg/l @0,1d - Chlorophyta
EC50 72h algae (1)	21 mg/l @3d - Chlorophyta
NOEC (acute)	1,8 mg/l @4d - Oncorhynchus mykiss
NOEC (chronic)	10 mg/l @2d - Daphnia
NOEC chronic fish	0,4 mg/l @21d - Daphnia
NOEC chronic algae	10 mg/l @3d - Chlorophyta

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12.2 Persistence and degradability		
Persistence and degradability	Not soluble in water, so only minimally biodegradable.	
Phenol, dodecyl-, branched		
Biodegradation	25 % @28d - strum - OECD TG 301 B	
Mineral oil		
Biodegradation	31 % 28d - OECD TG 301 B	
Benzenesulfonic acid, mono-C16-24-alkyl deriv		
BOD (% of ThOD)	8 % ThOD 28d - OECD TG 301 D	
Phosphorodithioic acid, mixed O,O-bis(1,3-dim		
Biodegradation	1,5 % @28d - OECD TG 301 B	
12.3 Bioaccumulative potential		
Phenol, dodecyl-, branched		
Bioconcentration factor (BCF REACH)	794,33	
Log Kow	7,14 Measurements	
Benzenesulfonic acid, mono-C16-24-alkyl deriv	vs., calcium salts	
Log Kow	4,46 - 10,88 OECD 107/117	
Phosphorodithioic acid, mixed O,O-bis(1,3-dim	ethylbutyl and iso-Pr) esters, zinc salts	
Log Kow	0,56 Measurements	
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 10. Disposal considerations		
13.1 Waste treatment methods		
Additional information	Dispose in a safe manner in accordance with local/national regulations	
SECTION 14: Transport information		
In accordance with ADR / RID / ADNR / IMDG / IC	AO / IATA	
14.1 UN number		
Not regulated for transport		
14.2 UN proper shipping name		
Not applicable 14.3 Transport hazard class(es)		
Not applicable.		
14.4 Packing group		
Not applicable.		
14.5 Environmental hazards		
Other information	: No supplementary information available.	
14.5 Environmental hazards Other information	: No supplementary information available.	
14.6 Special precautions for user		
14.6.1 Overland transport		
No additional information available		
14.6.2 Transport by sea		
No additional information available 14.6.3 Air transport		
No additional information available		
14.6.4 Inland waterway transport		
No additional information available		
<b>14.7 Transport in bulk according to Annex II</b> Not applicable.	of MARPOL 73/78 and the IBC Code	

#### Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

SECTION 15. Dogulatory information		
SECTION 15: Regulatory information		
	atio	ons/legislation specific for the substance or mixture
15.1.1. EU-Regulations		
Contains no REACH substances with Annex XVII	res	trictions
Contains no substance on the REACH candidate	list	
Contains no REACH Annex XIV substances		
15.1.2. National regulations		
Germany		
VwVwS Annex reference	:	Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV	:	Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)
Netherlands		
SZW-lijst van kankerverwekkende stoffen	:	Phenol, dodecyl-, branched, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts are listed
SZW-lijst van mutagene stoffen	:	Phenol, dodecyl-, branched, Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts, Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid	:	None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling	:	None of the components are listed
Denmark		
Classification remarks	:	Emergency management guidelines for the storage of flammable liquids must be followed.
Recommendations Danish Regulation	:	Pregnant/breastfeeding women working with the product must not be in direct contact with the product

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

#### 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
LC50: median Lethal Concentration for 50% of subjects
EC50: concentration producing 50% effect

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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 it 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 not assume responsibility and expressly disclaim liability for loss, damage or expense aris out of or in any way connected with the handling, storage, use or disposal of the product. 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-phrases	:	
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	
Asp. Tox. 1	Aspiration 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
Asp. Tox. 1	Aspiration hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye iris 2.	Serious eye damage/eye irritation Category 2
Skin Sens. 1B	Sensitisation — Skin, category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 18	Sensitisation – Skin, category 1B
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H361f	Suspected of damaging fertility
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH 208	Contains . May produce an allergic reaction
EUH 210	Safety data sheet available on request

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.