SAFETY DATA SHEET

Q8 Goya 100



SECTION 1: Identific undertaking	ation of the substance/mixture and of the company/
1.1 Product identifier	
Product name	: Q8 Goya 100
Viscosity or Type	: ISO VG 100
Material uses	: Lubricating oil for industrial gears
1.2 Relevant identified uses Not applicable.	of the substance or mixture and uses advised against
1.3 Details of the supplier of	f the safety data sheet
Manufacturer / Distributor	: Kuwait Petroleum Companies in the Benelux Company Office: Brusselstraat 59, B-2018, Antwerp Contactaddress: Petroleumkaai 7, B-2020, Antwerp Tel. +32 3 247 38 11, Fax +32 3 216 03 42
e-mail address of person responsible for this SDS	: SDSinfo@Q8.com, communication preferably in English only.
1.4 Emergency telephone nu	umber
Europe	: +44 (0) 1235 239 670 CARECHEM24
Global (English only)	: +44 (0) 1865 407 333
SECTION 2: Hazards	s identification
2.1 Classification of the sub	stance or mixture
Product definition	: Mixture
Classification according to	Regulation (EC) No. 1272/2008 [CLP/GHS]
The product is not classified Not classified.	as hazardous according to Regulation (EC) 1272/2008 as amended.
Ingredients of unknown toxicity	: None.
Ingredients of unknown ecotoxicity	: None.
-	Directive 1999/45/EC [DPD] d as dangerous according to Directive 1999/45/EC and its amendments. : Not classified.
See Section 16 for the full tex	t of the R phrases or H statements declared above.
	ailed information on health effects and symptoms.
2.2 Label elements	

2.2 Label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
General	: Not applicable.
Prevention	: Not applicable.
Response	: Not applicable.

Date of issue/Date of revision

: 10-01-2015 Date of previous issue

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SECTION 2: Hazards	ic	lentification
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14-alkyl (branched). May produce an allergic reaction. Safety data sheet available on request.
Special packaging requirem	en	<u>ts</u>
Containers to be fitted with child-resistant fastenings	:	Not applicable.
Tactile warning of danger	1	Not applicable.
2.3 Other hazards		
Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII	:	Not applicable.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII	:	Not applicable.
Other hazards which do not result in classification	:	Defatting to the skin. Prolonged or repeated contact may dry skin and cause irritation.

SECTION 3: Composition/information on ingredients

: Mixture

3.2 Mixtures

	· Mixture				
			Class	sification	
Product/ingredient name	Identifiers	%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	Туре
Distillates (petroleum), solvent-dewaxed heavy paraffinic	REACH #: 01-2119471299-27 EC: 265-169-7 CAS: 64742-65-0 Index: 649-474-00-6	≥90	Not classified.	Not classified.	[2]

The mineral oils in the product contain < 3% DMSO extract (IP 346).

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII

[4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

[5] Substance of equivalent concern

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	eyelids. Check	sh eyes with plenty of for and remove any on nedical attention.				
Inhalation		to fresh air and keep ention if symptoms of		comfortable for	r breathi	ng.
Date of issue/Date of revision	: 10-01-2015	ate of previous issue	: 2-10-2014	Version	: 1.02	2/12

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SECTION 4: First aid	m	ieasures
Skin contact	:	Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur
Ingestion	:	Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
Protection of first-aiders	:	No action shall be taken involving any personal risk or without suitable training.
4.2 Most important symptom	is a	nd effects, both acute and delayed
Potential acute health effec	<u>ts</u>	
Eye contact	:	No known significant effects or critical hazards.
Inhalation	:	No known significant effects or critical hazards.
Skin contact	:	Defatting to the skin. May cause skin dryness and irritation.
Ingestion	:	No known significant effects or critical hazards.
Over-exposure signs/sympt	ton	IS IS
Eye contact		No specific data.
Inhalation	:	No specific data.
Skin contact		Adverse symptoms may include the following: irritation dryness cracking
Ingestion	:	No specific data.
4.3 Indication of any immedia	ate	medical attention and special treatment needed
Notes to physician	:	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	1	No specific treatment.
SECTION 5: Firefight	tin	g measures
5.1 Extinguishing media		<u> </u>
Suitable extinguishing media	:	Use dry chemical, CO ₂ , alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	:	Do not use water jet.
5.2 Special hazards arising fi	ron	۱ the substance or mixture
5.2 Special hazards arising fi Hazards from the substance or mixture		the substance or mixture In a fire or if heated, a pressure increase will occur and the container may burst.
Hazards from the	:	
Hazards from the substance or mixture Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide
Hazards from the substance or mixture Hazardous thermal decomposition products	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide
substance or mixture Hazardous thermal decomposition products 5.3 Advice for firefighters Special protective actions	:	In a fire or if heated, a pressure increase will occur and the container may burst. Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without

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SECTION 6: Accidental release measures

6.1 Personal precautions, pro	tective equipment and emergency procedures
For non-emergency personnel	: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
For emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
6.2 Environmental precautions	: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
6.3 Methods and materials fo	r containment and cleaning up
Small spill	: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
Large spill	: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.
6.4 Reference to other sections	: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	: Put on appropriate personal protective equipment (see Section 8).
Advice on general occupational hygiene	: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)	
Recommendations	: Not available.
Industrial sector specific solutions	: Not available.

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SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredie	ent name	Exposure limit values		
Distillates (petroleum), solvent-dewaxed heavy paraffinic		Lijst Grenswaarden / Valeurs Limites (Belgium, 11/2011). TWA: 5 mg/m³ 8 hours. Form: mist STEL: 10 mg/m³ 15 minutes. Form: mist		
Recommended monitoring procedures	atmosphere of the ventila protective eq the following the assessm limit values a atmospheres of exposure to (Workplace a for the measure	tt contains ingredients with exposure limits, personal, workplace or biological monitoring may be required to determine the effectiveness tion or other control measures and/or the necessity to use respiratory uipment. Reference should be made to monitoring standards, such as : European Standard EN 689 (Workplace atmospheres - Guidance for ent of exposure by inhalation to chemical agents for comparison with and measurement strategy) European Standard EN 14042 (Workplace s - Guide for the application and use of procedures for the assessment to chemical and biological agents) European Standard EN 482 atmospheres - General requirements for the performance of procedures urement of chemical agents) Reference to national guidance or methods for the determination of hazardous substances will also be		
DNELs/DMELs				
No DNELs/DMELs available	e.			
PNECs				
No PNECs available.				
.2 Exposure controls				
Appropriate engineering controls	: Good genera contaminant	al ventilation should be sufficient to control worker exposure to airborne s.		
Individual protection measu	<u>ures</u>			
Hygiene measures	before eating Appropriate Wash conta	s, forearms and face thoroughly after handling chemical products, g, smoking and using the lavatory and at the end of the working period. techniques should be used to remove potentially contaminated clothing minated clothing before reusing. Ensure that eyewash stations and ers are close to the workstation location.		
Eye/face protection	assessment gases or dus	ear complying with an approved standard should be used when a risk indicates this is necessary to avoid exposure to liquid splashes, mists, sts. If contact is possible, the following protection should be worn, ssessment indicates a higher degree of protection: safety glasses with		
Skin protection				
Hand protection	be worn at a	sistant, impervious gloves complying with an approved standard should Il times when handling chemical products if a risk assessment indicates sary. Wear suitable gloves tested to EN374. Recommended: Nitrile		
Body protection	being perfor	otective equipment for the body should be selected based on the task med and the risks involved and should be approved by a specialist ling this product.		
Other skin protection		footwear and any additional skin protection measures should be sed on the task being performed and the risks involved and should be		

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SECTION 8: Exposure controls/personal protection

Respiratory protection	: Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Recommended: Boiling point > 65 °C: A1; Boiling point < 65 °C: AX1; Hot material: A1P2.
Environmental exposure controls	: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical	a	nd chemical properties
<u>Appearance</u>		
Physical state	:	Liquid. [Oily liquid.]
Appearance	1	Clear.
Color	1	Yellow [Light]
Odor	1	Characteristic.
Odor threshold	:	Not available.
рН	:	7
Melting point/freezing point	1	<-18°C
Initial boiling point and boiling range	:	>300°C
Flash point	:	Open cup: >206°C [ASTM D92.]
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not applicable.
Upper/lower flammability or explosive limits	:	Not available.
Vapor pressure	÷	<0.01 kPa [room temperature]
Vapor density	:	Not available.
Relative density	:	0.88
Solubility(ies)	:	Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/ water	:	Not available.
Auto-ignition temperature	:	>300°C
Decomposition temperature	÷	>300°C
Viscosity (40°C)	:	100 cSt
Viscosity (100°C)	1	11.2 cSt
Explosive properties	:	Not applicable.
Oxidizing properties	:	Not applicable.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity			
10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.		
10.2 Chemical stability	: The product is stable.		
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.		

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SECTION 10: Stability and reactivity			
10.4 Conditions to avoid	1	No specific data.	
10.5 Incompatible materials	:	Reactive or incompatible with the following materials: Strong oxidizing materials	

10.6 Hazardous : Under normal conditions of storage and use, hazardous decomposition products should not be produced. decomposition products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	LC50 Inhalation Dusts and mists	Rat - Male, Female	5.53 mg/l	4 hours
	LD50 Dermal LD50 Oral	Rabbit Rat	>5000 mg/kg >5000 mg/kg	-
Conclusion/Summary	Not available.			

Conclusion/Summary

Acute toxicity estimates

Not available.

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Skin - Erythema/Eschar	Rabbit	0.17	72 hours	7 days
	Skin - Edema Eyes - Iris lesion Eyes - Redness of the conjunctivae	Rabbit Rabbit Rabbit		72 hours 48 hours 48 hours	7 days 72 hours 72 hours

Conclusion/Summary : Not available.

Sensitization

Product/ingredient name	Route of exposure	Species	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	skin	Guinea pig	Not sensitizing

Conclusion/Summary : Not available.

Mutagenicity

Product/ingredient name	Test	Experiment	Result
Distillates (petroleum), solvent-dewaxed heavy paraffinic	474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo	Negative
		Subject: Mammalian-Animal Cell: Somatic	

Conclusion/Summary

: Not available.

Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Negative - Dermal - TC	Mouse - Female	-	78 weeks

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SECTION 11: Toxicological information

: Not available.

Conclusion/Summary Reproductive toxicity

Product/ingredient name	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Negative	Negative	Negative	Rat - Male, Female	Oral: 1000 mg/ kg	-

Conclusion/Summary : Not available.

Teratogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Negative - Dermal	Rat	2000 mg/kg	7 days per week

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely : Not available.

routes of exposure

Potential acute health effects

Eye contact	: No known significant effects or critical hazards.
Inhalation	: No known significant effects or critical hazards.
Skin contact	: Defatting to the skin. May cause skin dryness and irritation
Ingestion	: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact Inhalation	No specific data.No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

<u>Short term exposure</u>			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
<u>Long term exposure</u>			
Potential immediate effects	: Not available.		
Potential delayed effects	: Not available.		
Potential chronic health effects			

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SECTION 11: Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Sub-chronic NOAEL Oral	Rat - Male, Female	≥2000 mg/kg	13 weeks; 5 days per week
	Sub-acute LOAEL Oral	Rat - Male	125 mg/kg	13 weeks; 5 hours per day
	Sub-acute NOAEL Inhalation Dusts and mists	Rat - Male	>980 mg/m³	4 weeks; 5 days per week
Conclusion/Summary	: Not available.			
General	: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.			
Carcinogenicity	: No known significant effects or critical hazards.			
Mutagenicity	: No known significant effects or critical hazards.			
Teratogenicity	: No known significant effects or critical hazards.			
Developmental effects	: No known significant effects or critical hazards.			
Fertility effects	: No known significant effects or critical hazards.			

Other information

: Not available.

SECTION 12: Ecological information

12.1 Toxicity	
Conclusion/Summary	: Not available.

12.2 Persistence and degradability

Conclusion/Summary : Not available.

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Distillates (petroleum), solvent-dewaxed heavy paraffinic	-	-	Inherent

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Distillates (petroleum), solvent-dewaxed heavy paraffinic	>3	-	low

12.4 Mobility in soil				
Soil/water partition coefficient (K _{oc})	: Not available.			
Mobility	: Not available.			
12.5 Results of PBT and vPvB assessment				

	VD assessment
PBT	: Not applicable.
vPvB	: Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

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SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

<u>Product</u>	
Methods of disposal	: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non- recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.
Hazardous waste	: Yes.

European waste catalogue (EWC)

Waste code	Waste designation	
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils	
Packaging		
Methods of disposal	 The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 	
Special precautions	This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.	

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	ΙΑΤΑ
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk : Not available. according to Annex II of MARPOL 73/78 and the IBC Code

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SECTION 15: Regulatory information

15.1 Safety, health and e	nvironmental regulations/legislation specific for the substance or mixture
EU Regulation (EC) No.	<u>1907/2006 (REACH)</u>
Annex XIV - List of sub	ostances subject to authorization
Annex XIV	
None of the componen	ts are listed.
Substances of very h	igh concern
None of the componen	ts are listed.
Other EU regulations	
Europe inventory	: All components are listed or exempted.
Seveso II Directive	
This product is not contr	olled under the Seveso II Directive.
Hazard class for water (WGK)	: 1 Appendix No. 4
International regulation	<u>S</u>
Chemical Weapon Conv	rention List Schedules I, II & III Chemicals
Not listed.	
Montreal Protocol (Anno	exes A. B. C. E)
Not listed.	
	en Beneistent Onnenis Bellutente
	on Persistent Organic Pollutants
Not listed.	
Rotterdam Convention	on Prior Inform Consent (PIC)
Not listed.	
UNECE Aarhus Protoco	I on POPs and Heavy Metals
Not listed.	
International lists	
National inventory	
Australia	: Not determined.
Canada	: Not determined.
	: Not determined.
China Japan	: Not determined.
Malaysia	: Not determined.
New Zealand	: Not determined.
Philippines	: Not determined.
Republic of Korea	: Not determined.
Taiwan	: Not determined.
United States	: Not determined.
United States	
15.2 Chemical Safety Assessment	: This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

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SECTION 16: Other information		
Abbreviations and	: ATE = Acute Toxicity Estimate	
acronyms	CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.	
	1272/2008]	
	DMEL = Derived Minimal Effect Level	
	DNEL = Derived No Effect Level	
	EUH statement = CLP-specific Hazard statement	
	PBT = Persistent, Bioaccumulative and Toxic	
	PNEC = Predicted No Effect Concentration	
	RRN = REACH Registration Number	
	vPvB = Very Persistent and Very Bioaccumulative	

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification		Justification
Not classified.		
Full text of abbreviated H statements	: Not applicable.	
Full text of classifications [CLP/GHS]	: Not applicable.	
Full text of abbreviated R phrases	: Not applicable.	
Full text of classifications [DSD/DPD]	: Not applicable.	
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Version	: 1.02	
Prepared by	: Kuwait Petroleum Resear	ch & Technology B.V., The Netherlands
Notice to reader		

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.