

SAFETY DATA SHEET EQUIVIS ZS 68

SDS #: 087869

Section 1. Identification

Product identifier

: EQUIVIS ZS 68

Recommended use of the chemical and restrictions on use

Identified	uses
L.L. J. L. L.	. 11

Hydraulic oil

Supplier's details	:
	TotalEnergies Lubrifiants 562 Avenue du Parc de L'ile 92029 Nanterre Cedex FRANCE Tél: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 84 71 rm.msds-lubs@totalenergies.com
	TotalEnergies Marketing Services Direction Afrique 24 cours Michelet 92800 PUTEAUX FRANCE Tel : +33 (0)1 41 35 40 00 Fax : +33 (0)1 41 35 82 88
	See section 16 to have the contact details of the local supplier
Emergency telephone number	: +44 1235 239671 To speak to an interlocutor in Portuguese or Spanish: +44 1235 239670

Section 2. Hazard identification

Classification of the substance or mixture	: Not classified.
GHS label elements	
Signal word	: No signal word.
Hazard statements	: No known significant effects or critical hazards.
Precautionary statements	
Prevention	: Not applicable.
Response	: Not applicable.
Storage	: Not applicable.
Disposal	: Not applicable.
Other hazards which do not result in classification	: Prolonged or repeated contact may dry skin and cause irritation.



Section 3. Composition/information on ingredients

: Mixture

Ingredient name	% (w/w)	Identifiers
Distillates (petroleum), hydrotreated light paraffinic	≤5	64742-55-8
2,6-di-tert-butylphenol <0.25 128-39-2		128-39-2
Additional information : Mineral oil of peti	oleum origin Product containing mineral o	il with less than 3%

DMSO extract as measured by 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 and hence require reporting in this section.

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

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	 Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention.
Inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
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. 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.

Most important symptoms/eff	ects, acute and delayed
Potential acute health effects	<u>5</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/sympto	oms
Eye contact	: No specific data.
Inhalation	: No specific data.
Skin contact	: Adverse symptoms may include the following: irritation dryness cracking
Ingestion	: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Date	of revision	: 2023/02/07



Section 4. First aid measures

Notes to physician	 Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: No specific treatment.
Protection of first-aiders	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media	
Suitable extinguishing media	: Use dry chemical, CO ₂ , water spray (fog) or foam.
Unsuitable extinguishing media	: Do not use water jet.
Specific hazards arising from the chemical	: In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: carbon monoxide carbon dioxide nitrogen oxides phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides
Special protective actions for fire-fighters	: 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 suitable training.
Special protective equipment for fire-fighters	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective 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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
For emergency responders	:	If specialized 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".
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).

Methods and materials for containment and cleaning up



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Section 6. Accidental release measures

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 (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures Advice on general occupational hygiene	 Put on appropriate personal protective equipment (see Section 8). 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.
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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits UN

CGIH TLV (United States, 1/2021). [Mineral Oil, pure, highly nd severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction

Product/substance Exposure limit values Distillates (petroleum), hydrotreated heavy paraffinic ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] Distillates (petroleum), hydrotreated light paraffinic TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction

Occupational exposure limits Lesotho



Product/substance			Exposure limit values
Distillates (petroleum), hydr paraffinic	otrea	ated heavy	ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction
Distillates (petroleum), hydr paraffinic	otrea	ated light	ACGIH TLV (United States, 1/2021). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction
Occupational exposure lin	nits (South Africa	
Product/substance			Exposure limit values
Distillates (petroleum), hydr paraffinic Distillates (petroleum), hydr			ACGIH TLV (United States, 1/2022). [Mineral Oil, pure, highly and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction ACGIH TLV (United States, 1/2021). [Mineral Oil, pure, highly
paraffinic			and severely refined] TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction
Appropriate engineering controls	:	Good general v contaminants.	rentilation should be sufficient to control worker exposure to airborne
Environmental exposure controls	:	they comply wit cases, fume sc	n ventilation or work process equipment should be checked to ensure th the requirements of environmental protection legislation. In some trubbers, filters or engineering modifications to the process be necessary to reduce emissions to acceptable levels.
Advisory OEL	:		: USA: OSHA (PEL) TWA 5 mg/m3, NIOSH (REL) TWA 5 mg/m3, 3, ACGIH (TLV) TWA 5 mg/m3 (highly refined)
Individual protection measu	ures		
Hygiene measures	:	eating, smoking Appropriate tec Wash contamir	prearms and face thoroughly after handling chemical products, before g and using the lavatory and at the end of the working period. chniques should be used to remove potentially contaminated clothing. nated clothing before reusing. Ensure that eyewash stations and are close to the workstation location.
Eye/face protection	:	assessment inc gases or dusts.	complying with an approved standard should be used when a risk dicates this is necessary to avoid exposure to liquid splashes, mists, If contact is possible, the following protection should be worn, essment indicates a higher degree of protection: safety glasses with
Skin protection	1		tant, impervious gloves complying with an approved standard should
Skin protection Hand protection		this is necessar Hydrocarbon-pr Fluorinated rub nitrile rubber Please observe are provided by	roof gloves ber the instructions regarding permeability and breakthrough time whicl the supplier of the gloves. Also take into consideration the specific
		this is necessar Hydrocarbon-pr Fluorinated rub nitrile rubber Please observe are provided by local conditions	ry. roof gloves ber the instructions regarding permeability and breakthrough time which



Section 8. Exposure controls/personal protection

Other skin protection	 Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	: None under normal use conditions If these are not sufficient to maintain exposure below the OEL, suitable respiratory protection must be worn (Type A/P1).

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature (20°C / 68°F) and pressure (1013 hPa) unless otherwise indicated

<u>Appearance</u>		
Physical state	1	Liquid. [limpid]
Color	1	Brown.
Odor	1	Characteristic.
Odor threshold	1	Not available.
рН	1	Not applicable.
Melting point/freezing point	:	Not available.
Boiling point	1	Not available.
Flash point	:	Open cup: 210°C (410°F) [ASTM D92]
Evaporation rate	:	Not available.
Flammability (solid, gas)	:	Not available.
Lower and upper explosive (flammable) limits	:	Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	1	0.8761 [ASTM D 4052]
Density	:	0.8761 g/cm³ [15°C] [ASTM D 4052]
Solubility(ies)	:	

Media	Result
water	Not soluble

Miscible with water : No.

Partition coefficient: n- octanol/water	;	Not applicable.
Auto-ignition temperature	1	Not available.
Decomposition temperature	:	Not available.
Viscosity	:	Kinematic (40°C (104°F)): 61.6 to 74.4 mm²/s (61.6 to 74.4 cSt) [ASTM D 445]
Flow time (ISO 2431)	:	Not available.
Particle characteristics		
Median particle size		: Not applicable.



Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: Stable under recommended storage and handling conditions (see Section 7).
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials	: No specific data.
Hazardous decomposition products	: carbon monoxide carbon dioxide nitrogen oxides phosphorus oxides sulfur oxides Hydrogen sulfide Mercaptans Zinc oxides

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Result	Species	Dose	Exposure	Test
LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours	OECD 403
LD50 Dermal	Rabbit	>5000 mg/kg	-	OECD 402
LD50 Oral	Rat	>5000 mg/kg	-	OECD 420
LD50 Dermal	Rabbit	>5000 mg/kg	-	-
LD50 Oral	Rat - Male,	>5000 mg/kg	-	OECD 401
	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral LD50 Dermal	LC50 Inhalation Dusts and mists LD50 Dermal LD50 Oral LD50 Dermal Rat LD50 Dermal Rabbit	LC50 Inhalation Dusts and mistsRat>5 mg/lLD50 Dermal LD50 OralRabbit>5000 mg/kgLD50 Dermal LD50 DermalRat>5000 mg/kgLD50 OralRatbit>5000 mg/kgLD50 OralRat - Male,>5000 mg/kg	LC50 Inhalation Dusts and mistsRat>5 mg/l4 hoursLD50 Dermal LD50 OralRabbit>5000 mg/kg-LD50 Dermal LD50 DermalRat>5000 mg/kg-LD50 Oral LD50 OralRat>5000 mg/kg-LD50 OralRat - Male,>5000 mg/kg-

Conclusion/Summary : Based on available data, the classification criteria are not met.

Irritation/Corrosion

Product/substance	Result	Species	Score	Exposure	Test
2,6-di-tert-butylphenol	Eyes - Cornea opacity Skin - Primary dermal irritation index (PDII)	Rabbit Rabbit	0 3.8	- 4 hours	OECD 405 OECD 404
Skin Eyes	: Based on available da : Based on available da				

Respiratory

: Based on available data, the classification criteria are not met.

Sensitization

Product/subs	tance	Route of exposure	Species	Resi	ult			
2,6-di-tert-buty	Iphenol	skin	Guinea pig	Not	sensitizing			
Skin		: Based on avail	able data, the classification crite	eria are	e not met.			
Date of revision	: 2023/02/07			Africa	ENGLISH	Version	:2	7/13



Section 11. Toxicological information

	: Based or	n available da	ta, the classificat	ion criteria are not me	et.	
<u>Mutagenicity</u>						
Product/substance	Test		Experiment		Result	
2,6-di-tert-butylphenol	OECD 471		Experiment: In Subject: Bacter	a	Negative	
	OECD 475		Experiment: In Subject: Mamm		Negative	
	OECD 476		Experiment: In Subject: Mamm	alian-Animal	Negative	
	-		Experiment: In Subject: Mamm		Negative	
Conclusion/Summary	: Based or	n available da	ta, the classificat	ion criteria are not me	et.	
Carcinogenicity						
Conclusion/Summary	: Based or	n available da	ta, the classificat	ion criteria are not me	et.	
Reproductive toxicity						
Product/substance	Maternal toxicity	Fertility	Development toxin	Species	Dose	Exposure
2,6-di-tert-butylphenol	Negative	Negative	Negative	Rat - Male, Female	Oral	-
Conclusion/Summary	: Based or	n available da	ta, the classificat	ion criteria are not me	et.	
Teratogenicity						
Conclusion/Summary	: Based or	n available da	ta, the classificat	ion criteria are not me	et.	
Specific target organ toxic	city (single ex	posure)				
Not available.						
	: Based or		ta, the classificat	ion criteria are not me	et.	
Conclusion/Summary		n available da	ta, the classificat	ion criteria are not me	et.	
		n available da	ta, the classificat	ion criteria are not me	et.	
Conclusion/Summary Specific target organ toxic Not available.	<u>city (repeated</u>	n available da <mark>exposure)</mark>				
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary	<u>city (repeated</u>	n available da <mark>exposure)</mark>		ion criteria are not me ion criteria are not me		
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard	<u>city (repeated</u>	n available da <mark>exposure)</mark>		ion criteria are not me		
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name	city (repeated) : Based or	n available da <u>exposure)</u> n available da		ion criteria are not me Result	et.	egory 1
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard	city (repeated : Based or rotreated light p	n available da <u>exposure)</u> n available da paraffinic	ta, the classificat	ion criteria are not me	et. RD - Cate	egory 1
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name Distillates (petroleum), hydr Conclusion/Summary	city (repeated : Based or rotreated light p	n available da <u>exposure)</u> n available da paraffinic n available da	ta, the classificat	ion criteria are not me <mark>Result</mark> ASPIRATION HAZA	et. RD - Cate	gory 1
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name Distillates (petroleum), hydr Conclusion/Summary	rotreated light p : Based or	n available da <u>exposure)</u> n available da paraffinic n available da	ta, the classificat	ion criteria are not me <mark>Result</mark> ASPIRATION HAZA	et. RD - Cate	egory 1
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Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name Distillates (petroleum), hydr	rotreated light p : Based or : Based or : Based or : Not availa : No know : No know	n available da <u>exposure)</u> n available da paraffinic n available da able. n significant e	ta, the classificat ta, the classificat effects or critical h effects or critical h	ion criteria are not me Result ASPIRATION HAZA ion criteria are not me	et. RD - Cate	gory 1
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name Distillates (petroleum), hydr Conclusion/Summary formation on the likely butes of exposure otential acute health effect Eye contact Inhalation Skin contact	city (repeated : Based or rotreated light p : Based or : Not availa : Not availa : No know : No know : Defatting	n available da exposure) n available da paraffinic n available da able. n significant e to the skin.	ta, the classificat ta, the classificat effects or critical h effects or critical h	ion criteria are not me Result ASPIRATION HAZA ion criteria are not me nazards. nazards. Iryness and irritation.	et. RD - Cate	gory 1
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name Distillates (petroleum), hydr Conclusion/Summary formation on the likely butes of exposure otential acute health effect Eye contact Inhalation Skin contact Ingestion	city (repeated : Based or rotreated light p : Based or : Not availa : Not availa : No know : No know : Defatting : No know	n available da exposure) n available da paraffinic n available da able. n significant e to the skin. n significant e	ta, the classificat ta, the classificat ta, the classificat effects or critical h effects or critical h May cause skin c effects or critical h	ion criteria are not me Result ASPIRATION HAZA ion criteria are not me nazards. nazards. Iryness and irritation. nazards.	et. RD - Cate	gory 1
Conclusion/Summary Specific target organ toxic Not available. Conclusion/Summary Aspiration hazard Name Distillates (petroleum), hydr Conclusion/Summary nformation on the likely outes of exposure otential acute health effect Eye contact Inhalation	city (repeated : Based or rotreated light p : Based or : Not availa : Not availa : No know : No know : Defatting : No know	n available da <u>exposure)</u> n available da paraffinic n available da able. n significant e n significant e to the skin. n significant e	ta, the classificat ta, the classificat ta, the classificat effects or critical h effects or critical h May cause skin c effects or critical h	ion criteria are not me Result ASPIRATION HAZA ion criteria are not me nazards. nazards. Iryness and irritation. nazards.	et. RD - Cate	egory 1



Section 11. Toxicological information

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

Product/substance	Result	Species	Dose	Exposure
2,6-di-tert-butylphenol	Sub-acute NOAEL Oral	Rat - Male, Female	100 mg/kg	-
	Sub-chronic NOAEL Oral	Rat - Male, Female	270 mg/kg	-
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. No known significant effects or critical hazards. 			
Mutagenicity				
Reproductive toxicity	: No known significant effect	cts or critical hazar	rds.	

Numerical measures of toxicity

Acute toxicity estimates N/A

Other information

Not available.

Section 12. Ecological information

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Product/substance	Result	Species	Exposure	Test
Distillates (petroleum), hydrotreated light paraffinic	Acute EC50 >100 mg/l	Algae - Pseudokirchnerella subcapitata	48 hours	OECD 201
	Acute EC50 >10000 mg/l	Daphnia - Daphnia magna	48 hours	OECD 202
	Chronic NOEL 10 mg/l	Daphnia - Daphnia magna	21 days	OECD 211
	Chronic NOEL >1000 mg/l	Fish - Oncorhynchus mykiss	21 days	-
2,6-di-tert-butylphenol	Acute EC50 1.2 mg/l Fresh	Algae -	96 hours	EPA
	water	Pseudokirchneriella		797.1050



Section 12. Ecological information

		subcapitata		
Ac	cute EC50 0.45 mg/l	Crustaceans - Daphnia	48 hours	STDMETH,
		Magna		ASTM and
		-		USEPA
Ac	cute IC50 >1000 mg/l	Micro-organism	3 hours	OECD 209
Ac	cute LC50 1.4 mg/l Fresh	Fish - Pimephales	96 hours	STDMETH,
wa	ater	promelas		ASTM and
				USEPA
				ASTM E
				729-80
Ch	nronic NOEC 0.64 mg/l	Algae -	96 hours	EPA
Fre	esh water	Pseudokirchneriella		797.1050
		subcapitata		
Ch	nronic NOEC 0.035 mg/l	Crustaceans - Daphnia	21 days	OECD 211
Fre	esh water	magna		

Persistence and degradability

Product/substance	Test	Result		Dose	Inoculum
2,6-di-tert-butylphenol	OECD 302C	12 % - Not readily -	28 days	-	Activated sludge
Dreduct/outpatence	A mustic least life				
Product/substance	Aquatic half-life	9	Photolysis	S	Biodegradability

Bioaccumulative potential

Product/substance	LogKow	BCF	Potential
2,6-di-tert-butylphenol	4.48	660	high

<u>Mobility in soil</u>	
Soil/water partition coefficient (Koc)	: Not available.
Mobility in soil	: Given its physical and chemical characteristics, the product generally shows low soil mobility The product is insoluble and floats on water Loss by evaporation is limited

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

Section 13. Disposal considerations

Disposal methods : 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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	IMDG	ICAO/IATA
UN/ID No	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.

Special precautions for user : 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.

Transport in bulk according : Not available. to IMO instruments

Section 15. Regulatory information

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

Rotterdam Convention on Prior Informed Consent (PIC) Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals Not listed.

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	Inve	ntory	<u>/ list</u>
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Australia inventory (AIIC)	: All components are listed or exempted.
Canada inventory (DSL/NDSL)	: All components are listed or exempted.
China inventory (IECSC)	: All components are listed or exempted.
Europe inventory (EC)	: All components are listed or exempted.
Japan inventory	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand Inventory of Chemicals (NZIoC)	: Not determined.
Dhillinginge investory (DICCO)	· All components are listed or evented

Philippines inventory (PICCS): All ofKorea inventory (KECI): All of

- : All components are listed or exempted.
- : All components are listed or exempted.



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Section 15. Regulatory information

Taiwan Chemical Substances Inventory (TCSI)	: All components are listed or exempted.		
Thailand inventory	: Not determined.		
Turkey inventory	: Not determined.		
United States inventory (TSCA 8b)	: Not determined.		
Vietnam inventory	: Not determined.		
The information stated in this section relates solely to the conformity of the chemical product with the			

The information stated in this section relates solely to the conformity of the chemical product with the countries Inventories. The information used to confirm the inventory status of this product may be based on additional data to the chemical composition shown in Section 3. Other regulations may apply for importation or marketing authorizations.

Section 16. Other information

<u>History</u>	
Date of revision	: 2023/02/07
previous revision date	: 2020/10/12
Version	: 2
Key to abbreviations	 ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor GHS = Globally Harmonized System of Classification and Labelling of Chemicals IATA = International Air Transport Association IBC = International Air Transport Association IBC = International Maritime Dangerous Goods LogPow = logarithm of the octanol/water partition coefficient MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution) N/A = Not available SGG = Segregation Group UN = United Nations

Procedure used to derive the classification

Classification	Justification
Not classified.	

Additionnal details on the supplier of the product

TotalEnergies Marketing Botswana (Pty) Ltd Kgomokasitwa Road, Gaborone West Gaborone / BOTSWANA	TotalEnergies Marketing Burkina 1080, Avenue Kwame N'Krumah Ouagadougou / BURKINA FASO	TotalEnergies Marketing Cameroun 589, Boulevard de la Liberté Akwa - Douala B.P. 4048 Douala – Cameroun Téléphone : (237) 233 42 63 41	TOTAL CENTRAFRIQUE Avenue de l'Indépendance, BP 3295 Bangui / REPUBLIQUE CENTRAFRICAINE
TotalEnergies Marketing Congo S.A. Rue de la Corniche Brazzaville / CONGO	TotalEnergies Marketing Côte d'Ivoire Immeuble Rive Gauche, 100 Rue des brasseurs, Zone 3 01 BP 336 - Abidjan – CÔTE D'IVOIRE	TotalEnergies Marketing Egypt Corner St 254/206 Degla Maadi Cairo / EGYPT	TotalEnergies Marketing Ethiopia S.C. Sub City - Nefas Silk Lafto PO Box 1462 - Addis Abeba / ETHIOPIA Tel : 251 114 651 125
TotalEnergies Marketing Guinea Ecuatorial Rotonda Estación de Servicios BP 647 Malabo / GUINEA ECUATORIAL Tel : +240 350 091 800	TotalEnergies Marketing Kenya PLC Regal Plaza, 6th Avenue Parklands, Limuru Road P.O. BOX 30736, 00100- NAIROBI – KENYA	TOTAL LESOTHO (PTY) LTD Motsoane Road, Industrial area Maseru / LESOTHO	TOTAL LIBERIA Clara town, Busrod Island Monrovia / LIBERIA



Section 16. Other information

TotalEnergies Marketing Madagasikara SA Immeuble Fitaratra, Ankorondrano 101 - Antananarivo - MADAGASCAR	TotalEnergies Marketing Malawi Ltd Private Bag 5125 Limbe, Blantyre Malawi	TotalEnergies Marketing Mali Hamdallaye ACI 2000 Rue 358 Immeuble Dakolo Bamako / MALI	TotalEnergies Marketing Gabon Blvd.de la République Libreville / GABON
TotalEnergies Marketing Middle East FZE Burjuman Business Tower, 11th Floor Sheikh Khalifa Bin Zayed Road Dubai P.O. Box 14871 U.A.E Tel: +971 4 709 50 00 Fax: +971 4 351 91 54	TotalEnergies Marketing Tchad Parc des Hydrocarbures Route de Mara N'Djamen / TCHAD Tel : +235 22 52 92 09	TotalEnergies Marketing Maroc 146, Blvd. Mohamed Zerktouni Casablanca / MAROC	TOTAL MAURITANIE E nord- Lot n°110 Nouakhott / MAURITANIE
TotalEnergies Marketing Mauritius Ltd Chaussée Tromelin, Quai D Port-Louis, MAURICE Tel : +230 207 56 00	TotalEnergies Marketing Mozambique SA Av. Sociedade de Geografia nº 83 Maputo / MOZAMBIQUE Tel : +258 21 30 72 30	TotalEnergies Marketing Namibia (Pty) Ltd 5 Otto Nitzsche Street, Klein Windhoek Windhoek / NAMIBIA	TOTAL NIGER Route de l'aéroport Niamey / NIGER
TotalEnergies Marketing Ghana PLC 25 Liberia Road, P.O. BOX GP553 Accra / GHANA Tel : +233 302 611 530	TotalEnergies Marketing RDC SA 24, Avenue CADECO Place des Evolués KINSHASA / GOMBE	TotalEnergies Marketing Sénégal Route de l'aéroport, sur la station TotalEnergies de Ngor BP 355 Dakar / SENEGAL	TOTAL SIERRA LEONE Total house, 41 Main motor Road, Brookfields Freetown / SIERRA LEONE
TotalEnergies Marketing South Africa (Pty) Ltd 3 Biermann Avenue Rosebank 2196 PO Box 579, Saxonwold, 2132 South Africa Tel: +27 860 111 111	TotalEnergies Marketing Eswatini (PTY) Ltd King Sobhuza 2nd Avenue, Industrial Sites Manzini / ESWATINI	TotalEnergies Marketing Tanzania Total House – Msasani Peninsula Haile Selassie road Plot no. 1720, PO Box 1503 Dar es salaam, Tanzania Tel +255222927700	TotalEnergies Marketing Togo 69, Blvd. de la Paix Lomé / TOGO
TotalEnergies Marketing Tunisie Rue du Lac Huron 1053 Les Berges du Lac Tunis / TUNISIE	TotalEnergies Marketing Uganda Limited Plot 4, 8th Street, Industrial Area, P.O. Box 3079., Kampala, Uganda	TotalEnergies EP Nigeria Limited Plot 25, Trans Amadi Industrial Layout P.M.B 5160 and P.O.Box 696, Port Harcourt Nigeria.	TotalEnergies Marketing Zambia Ltd Total House Great East Road Lusaka / ZAMBIA Tel : +260 211 374 403
TotalEnergies Marketing Zimbabwe Total House 1 Auckland Road - Southerton Harare / ZIMBABWE Tel : +263 242 754 481	Totalgaz Southern Africa (Pty) Ltd. 2nd Floor, Tygervalley, Chambers Two Bellville, 7530 Western Cape - South Africa Tel: +27 21 941 4000 Fax: +27 21 941 4001		

References

: Not available.

V Indicates information that has changed from previously issued version.

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