# **TOTAL FINA ELF**

### Safety Data Sheet

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Product code: P055-0000581-08	Issue : 4 Date: 09/07/2001	
	Invalidates and replaces the issue of : 18/06/1998	
PRODUCT LABELS		
LABELLING (standard or EU)	Not applicable	
TRANSPORT LABELLING :	Not applicable	
1. Product and company identification		
Commercial name:	TOTAL CARTER EP 220	
Product application:	Lubricant for gears	
Company name:	TOTALFINAELF LUBRIFIANTS	
Address:	16, rue de la République	
	92800 PUTEAUX	
	FRANCE	
Emergency number of the company :	33 (1)41.35.40.00	
Fax:	33 (1)41.35.84.71	
See local particulars at end of sheet		
Emergency phone numbers :	- Centre anti-poisons : ORFILA (FRANCE): 33 (0) 1.45.42.59.59	
2. Composition / information on ingredien	ts	
PREPARATION		
Chemical nature:	Petroleum-derived severely refined mineral-base product	
	in which the polycyclic aromatic hydrocarbons (PCA or PAH) content, measured by IP	
	346, is less than 3%	
Subtances contributing to hazards :	None to our knowledge, in normal use	
3. Hazard identification	None to our knowledge, in normal use	
	None to our knowledge, in normal use Under normal conditions of use, the product holds no danger of intoxication	
3. Hazard identification		
<b>3. Hazard identification</b> - Adverse human health effects :	Under normal conditions of use, the product holds no danger of intoxication	
<ul> <li><b>3. Hazard identification</b></li> <li>Adverse human health effects :</li> <li>Environmental effects :</li> </ul>	Under normal conditions of use, the product holds no danger of intoxication Don't rejet this product into the environment	
<ul> <li><b>3. Hazard identification</b></li> <li>Adverse human health effects :</li> <li>Environmental effects :</li> </ul>	Under normal conditions of use, the product holds no danger of intoxication Don't rejet this product into the environment	
<ul> <li>3. Hazard identification</li> <li>Adverse human health effects :</li> <li>Environmental effects :</li> <li>physical and chemical hazards :</li> <li>4. First-aid measures</li> </ul>	Under normal conditions of use, the product holds no danger of intoxication Don't rejet this product into the environment	
<ul> <li>3. Hazard identification</li> <li>Adverse human health effects :</li> <li>Environmental effects :</li> <li>physical and chemical hazards :</li> <li>4. First-aid measures</li> </ul>	Under normal conditions of use, the product holds no danger of intoxication Don't rejet this product into the environment No specific risk of fire or explosion under normal contitions of use	
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<ul> <li><b>3. Hazard identification</b> <ul> <li>Adverse human health effects :</li> <li>Environmental effects :</li> <li>physical and chemical hazards :</li> </ul> </li> <li><b>4. First-aid measures</b> <ul> <li>IN CASE OF SERIOUS MANIFESTATIONS, OR</li> <li>Route of exposure :</li> <li>Inhalation :</li> </ul> </li> </ul>	Under normal conditions of use, the product holds no danger of intoxication Don't rejet this product into the environment No specific risk of fire or explosion under normal contitions of use CALL IN A DOCTOR OR EMERGENCY MEDICAL CARE Inhalation of heavy concentrations of vapour, fumes or spray, may cause mild irritation of the throat. Transport the person into fresh air, keep warm and allow to rest	

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- Ingestion :	Possible risk of vomiting and diarrhoea	
	Do not induce vomiting to avoid the risk of aspiration into the r	espiratory tract
	Give nothing to drink	
- Aspiration :	If the product is believed to have entered the lungs (in case of vomiting, for example), take the person to hospital for immediate care	
5. Fire-fighting measures		
Flash point:	See heading 9	
Fire extinguishers:		
- suitable :	Foam, carbon dioxide (CO2), powder	
- not suitable :	do not use water jets (stick jets) for extinguishing fire since they flames.	could help to spread the
Specific hazards:	Incomplete combustion and thermolysis produce toxic gases such	as CO, CO2, various
	hydrocarbons, aldehydes and soot. These are highly dangerous if	inhaled
Firefighter protection:	An insulated breathing apparatus must be worn in confined premi	ses with heavy
	concentrations of fumes and gases	
6. Accidental release measures		
See also heading 8 and 13		
After spillage / leakage		
- on soil	Surfaces on which the product has been spilled may become slipp	ery
	Avoid discharge of the material in a stream or a sewer or cause g	
	recovery by physical means	
	Contain and collect the spilled product with sand or any other in	ert material.
	In the event of a major spill, inform the competent authorities it	f the situation cannot be
	brought under control rapidly and efficiently	
- on water	Use floating absorbent material to be removed mechanically	
	If the material has been discharged into a stream or a sewer, inform the authorities of the	
	possible presence of floating materials	
7. Handling and storage		
HANDLING		
- Technical measures :		
. prevention of user exposure	Provide adequate ventilation in case of the potential formation of	of vapour, fumes, mist or
	spray Take all measures to reduce the risk of exposure, in particular to	used or waste product
	Keep away from flammable material; keep away from food and b	*
. Prevention of fire and explosion	Empty containers may contain flammable or explosive vapours	
	There is a fire hazard associated with rags, paper or any other ma	terial used to remove spills
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	which become soaked with product	
	Avoid accumulate of these: they are to be disposed off s	afely after use
- Precautions :	Avoid static electricity build up with connection to eart	•
recutions.	Set up machinery and equipment so as to avoid the risk	
	hot machine parts and electrical contacts (on joint failu	
- Safe handling advice :	Avoid contact with strong oxidizing agents	ie, ist enample)
~	Use only hydrocarbon-resistant containers, joints, pipes	s etc
STORAGE	,,,, , , , , , ,	
- Technical measures :	Make the necessary arrangements and take all measures	to prevent water and ground
	pollution	
- Storage conditions :	F	
. Suitable	Store at room temperature, protected against contact wi	th water and moisture, and away
	from any source of ignition	
	Keep containers closed when not in use	
. To be avoided	Do not store exposed to the elements	
- Incompatible products :	Dangerous reaction with strong oxidizing agents	
- Packaging materials :		
. Recommended	Use only hydrocarbon-resistant containers, joints, pipes	s, etc.
	Keep in original container if possible	
	Otherwise, transfer all indications on the regulatory label to the new container	
. Exposure controls / personal protection		
• Exposure controls / personal protection Engineering measures:	Use the product in well-ventilated premises	
	Use the product in well-ventilated premises When working on enclosed place (tanks, reservoirs),	make sure that atmosphere is not
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Engineering measures: - Control parameters:	When working on enclosed place (tanks, reservoirs), sufocating and/or wear recommend eqipment	make sure that atmosphere is not
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Engineering measures: - Control parameters: . Occupational exposure limit	When working on enclosed place (tanks, reservoirs), sufocating and/or wear recommend eqipment . oil mist : 10mg/m3, for 15 minutes	make sure that atmosphere is not
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Engineering measures: - Control parameters: . Occupational exposure limit Personal protective equipment - Hand protection: - Eye protection:	<ul> <li>When working on enclosed place (tanks, reservoirs), sufocating and/or wear recommend eqipment</li> <li>. oil mist : 10mg/m3, for 15 minutes</li> <li>. oil mist : 5mg/m3, for 8 hours</li> <li>Impermeable hydrocarbon-proof gloves recommended material: nitrile, neoprene Goggles, in case of splashing</li> </ul>	
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Engineering measures: - Control parameters: . Occupational exposure limit Personal protective equipment - Hand protection: - Eye protection: - Skin and body different hand protection:	<ul> <li>When working on enclosed place (tanks, reservoirs), sufocating and/or wear recommend eqipment</li> <li>. oil mist : 10mg/m3, for 15 minutes</li> <li>. oil mist : 5mg/m3, for 8 hours</li> <li>Impermeable hydrocarbon-proof gloves recommended material: nitrile, neoprene</li> <li>Goggles, in case of splashing</li> <li>As required, wear a face mask, hydrocarbon-proof cloth drums)</li> <li>Don't wear ring, watch or similar thing which will be ab rise to some skin diseases</li> </ul>	ing, and safety boots (when handling le to hold the product and may give
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Engineering measures: - Control parameters: . Occupational exposure limit Personal protective equipment - Hand protection: - Eye protection: - Skin and body different hand protection:	<ul> <li>When working on enclosed place (tanks, reservoirs), sufocating and/or wear recommend eqipment <ol> <li>oil mist : 10mg/m3, for 15 minutes</li> <li>oil mist : 5mg/m3, for 8 hours</li> </ol> </li> <li>Impermeable hydrocarbon-proof gloves <ul> <li>recommended material: nitrile, neoprene</li> <li>Goggles, in case of splashing</li> <li>As required, wear a face mask, hydrocarbon-proof cloth drums)</li> <li>Don't wear ring, watch or similar thing which will be ab rise to some skin diseases</li> <li>Avoid prolonged and repeated contact with the skin, esp Immediately remove all soiled or stained clothing.</li> </ul></li></ul>	ing, and safety boots (when handling le to hold the product and may give pecially with used or waste product

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Do not use cloths stained with the product to dry hands Dont put the product-soaked rags in the pockets of working clothes Do not eat, drink or smoke while handling the product

#### 9. Physical and chemical properties

Appearance:	
- Physical state:	Clear liquid
- Colour:	Brown
Odour:	Characteristic odour of oil
pH:	Not applicable
Specific temperatures	
of change in state	
Flash point:	>= 210°C (ISO 2592)
Auto-ignition temperature:	> 250°C (ASTM E 659)
	This temperature may be significantly lower under particular conditions (oxidation on high
	surface areas)
Explosion limits:	Not applicable
Density:	About 896 kg/m3 at 15°C
Solubility:	
- in water:	Insoluble and immiscible
- in organic solvents:	Soluble in many common solvents
- Viscosity:	Kinematic viscosity at 40°C: about 220 mm <sup>2</sup> /s
Log P n-octanol / water at $20^{\circ}C$	mineral oil > 6

#### 10. Stability and reactivity

Stability:	The product is stable under normal temperatures of storage, handling and use	
Dangerous reactions:	Not dangerous reaction known under normal conditions of use, to refer to the technical	
	notice	
- Conditions to avoid:	Heat (temperatures above flash point), sparks, ignition points, flames, static electricity	
- Materials to avoid:	Avoid contact with strong oxidizing	
Dangerous decomposition products:	Incomplete combustion and thermolysis produce more or less toxic gases such as CO, CO2,	
	various hydrocarbons, aldehydes and soot	

#### 11. Toxicological information

ACUTE TOXICITY/LOCAL EFFECTS	
- Inhalation:	Risk is improbable under normal conditions of use
	Inhalation of important concentration of vapour or aerosols may cause irritation of the
	upper respiratory tract.
- Contact with the skin:	Risk is improbable under normal conditions of use

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Product code: P055-0000581-08       Tsue: 4       Description         - Ingrestion:       In case of ingrestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no important effect observed, in case of ingestion of small quantities, no information of the regin product grant is insolable; it spreads on the surface of the water         - Aret:       Inter insolable; it spreads on the surface of the water         - Aret:       The product is insolable; it spreads on the surface of the water         - Aret:       The regin product is insolable; it spreads on the surface of the water         - Aret:       The regin product is insolable; it spreads on the surface of the water         - Aret:       The regin product is considered to present an od anger for land-grantogrant, it is considered to present a		TOTAL CARTER EP 220	Page:5/6	
- Ingestion:       In case of ingestion of small quantifies, no important effect observed, in case of ingestion of larger amounts: addominal pain, diarthees,         SENSITIZATION       To our knowledge, the product dont induce sensitization         CHRONIC TOXICITY OR LONG-TERM TOXICITY       - Contact with the skin:       To our knowledge, the product dont induce sensitization         CHRONIC TOXICITY OR LONG-TERM TOXICITY       - Contact with the skin:       Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing <b>12. Ecological information</b> - Air:       - Contact with stained clothing         - Air:       - Contact with the skin:       Coronal:       - Given its physical and chemical characteristics, the product generally shows little mobility in the ground         - Aure:       The product is insoluble; it spreak to nothe surface of the ware?         Persistence and degendability:       Experimental data on the finished product is intrinsically biodegradable.         Particular ingretients may not be biodegradable       Particular ingretients may not be biodegradable.         Particular ingretients may not be biodegradable       In eact on surface of the ware?         Resolution:       The wingin product is instabule; if spreak to not any ingin product is instable biodegradable.         Particular ingretients may not be biodegradable       Ecotoxicity:         I information       In eargo or instalation	Product code: P055-0000581-08	Issue : 4	Date: 09/07/2001	
h diager amounts: abdominal pain, diarhoea, For urk awoledge, the product dont induce sensitization CHRONE CONCENTY OR LONG-TERM TOXICH i connect with the skin: Connect with the skin: CHORDEN EXPROVEMENT OR LONG-TERM TOXICH Distribution: Connect with the skin: Distribution: An: An: An: An: An: An: An: A			s the issue of : 18/06/1998	
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CHRONIC TOXICITY OR LONG-TERM TOXICITY - Contact with the skin: Characteristic skin affections (iil blisters) may develop following prolonged and repeated exposure through contact with stained clothing  I. Ecological information Mobility: - Air: - Air: - Groud: - Groud: - Ground: - Water: - Chreat with the strine: - Groud: - Ground: - Water: - Chreat with the first bary sical and chemical characteristics, the product generally shows little mobility in the ground - Water: - Considered in the first bary sical and chemical characteristics, the product generally shows little mobility in the ground - Water: - Chreat with the strine: - Ground: - Water: - Chreat with the infinited product are not available - However, the "mineral oil" portion of the virgin product is intrinsically biodegradable Particular ingredients may not be biodegradable - Disposel consideration - Disposel consideration - Disposel no asfer manner in accordance with local/national regulation - Industrial wate number EU: - Dispose in a safe manner in accordance with local/national regulation - Industrial wate number EU: - Disposel parting data base not otherwise s		of larger amounts: abdominal pain, diarrhoea,		
- Contact with the skin:       Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing         DE Ecological information       Mobility:         - Air:       there is a slow loss by evaporation.         - Conad:       Given its physical and chemical characteristics, the product generally shows little mobility in the ground         - Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finished product are not available         However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable.         Ecotoxicity:       The virgin product is considered to present no danger for land-growing organisms.       It is considered to present a little danger for suguitic life.         Master disposal considerations       If need be, collection by an authorized waste contractor and regeneration in an approved installation         Used packaging disposal 1:       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         UN Number :       unregulated         Road (ADR)/ Kail (RDD) Kiver (ADNR)       Not restricted for transport.         Marine (IMC-IMDG)       Not restricted for transport.         Mire (CAO / IATA)       Not restricted for transport.		To our knowledge, the product dont induce sensitization		
exposure through contact with stained clothing         I. Ecological information         Mobility:         - Air:       there is a slow loss by evaporation.         - Ground:       Given its physical and chemical characteristics, the product generally shows little mobility in the ground         - Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finished product are not available         Persistence and degradability:       Experimental data on the finished product are not available         Record vicity:       The virgin product is considered to present no danger for land-growing organisms. It is considered to present a little danger for aquaric life. no information available for used product         J. Disposal considerations       If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial Waste number EU :       13-08-99 (wastes not otherwise specified)         I. Transport information       waste diff (CAO / IATA)         Marine (MO-IMDG)       Not restricted for transport.         Marine (MO-IMDG)       Not restricted for transport.         Atrine (MCAO / IATA)       Not restricted for transport.         SupOPEAN REGULATIONS       Seretricted for transport.         VAIRIN				
Mobility:       Air:       there is a slow loss by evaporation.         - Air:       Ground:       Given its physical and chemical characteristics, the product generally shows little mobility in the ground         - Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finished product are not available         However, the "mineral off" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable         Ecotoxicity:       The virgin product is considered to present to danger for land-growing organisms. It is considered to present a little danger for aquatic life. no information available for used product         J. Disposal considerations       Hered be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         J. Number:       unregulated         Road (ADR) / Rail (RID) River (ADR)R       Not restricted for transport.         Mariae (ADR) / Industrial       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       - Calabeling         - Size labeling       - Symbol(s)	- Contact with the skin:			
Mobility:       Air:       there is a slow loss by evaporation.         - Air:       Ground:       Given its physical and chemical characteristics, the product generally shows little mobility in the ground         - Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finished product are not available         However, the "mineral off" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable         Ecotoxicity:       The virgin product is considered to present to danger for land-growing organisms. It is considered to present a little danger for aquatic life. no information available for used product         J. Disposal considerations       Hered be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         J. Number:       unregulated         Road (ADR) / Rail (RID) River (ADR)R       Not restricted for transport.         Mariae (ADR) / Industrial       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       - Calabeling         - Size labeling       - Symbol(s)				
<ul> <li>- Air:</li> <li>- Ground:</li> <li>- Ground:<td>-</td><td></td><td></td></li></ul>	-			
- Ground:       Given its physical and chemical characteristics, the product generally shows little mobility in the ground         - Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finished product are not available         However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable         Ecotoxicity:       The virgin product is considered to present no danger for land-growing organisms.       It is considered to present a little danger for aquatic life.         no information       no information available for used product       It is proved in staff manor in accordance with local/national regulations in an approved installation an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal 1:       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         UN number :       unregulated         Road (ND) / River (ADNR)       Not restricted for transport.         Marine (INO-IMDG)       Not restricted for transport.         Arrine (ICCAO / LATA)       Not restricted for transport.         EUROPEAN REGULATIONS       Not restricted for transport.         ISTORE AREGULATIONS       Not restricted for transport.         Arrine (ICAO / LATA)       Not restricted for tra	·			
- Water:       In the ground         - Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finisked product are not available         However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable         Particular ingredients may not be biodegradable       Particular ingredients may not be biodegradable         Ecotoxicity:       The virgin product is considered to present no danger for land-growing organisms. It is considered to present a little danger for aquatic life. no information available for used product <b>13. Disposal considerations</b> Ti need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified) <b>14. Transport information</b> Not restricted for transport. Marine (MO-IMDG)         Not restricted for transport.       Not restricted for transport.         Marine (IGCA) / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS - EC labelling - Symbol(s)       None			<b>11 1 1</b> 1 <b>1 1</b> 11.	
· Water:       The product is insoluble; it spreads on the surface of the water         Persistence and degradability:       Experimental data on the finished product are not available         Persistence and degradability:       Experimental data on the finished product are not available         However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable         Particular ingredients may not be biodegradable       Particular ingredients may not be biodegradable         Ecotoxicity:       The virgin product is considered to present no danger for land-growing organisms.         It is considered to present a little danger for aquatic life.       no information available for used product <b>J. Disposal considerations</b> If need be, collection by an authorized waste contractor and regulations in an approved installation         Waste disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified) <b>J. Transport information</b> Not restricted for transport.         Marine (MO-IMDG)       Not restricted for transport.         Marine (MO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       -ECI labelling         - Symbol(s)       None	- Ground:		ally shows little mobility	
Persistence and degradability:       Experimental data on the finished product are not available         However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.       Particular ingredients may not be biodegradable         Persistence and degradability:       The virgin product is considered to present no danger for land-growing organisms.         Lis considered to present a little danger for aquatic life.       no information available for used product <b>Disposal considerations</b> Use disposal :       Dispose in a safe manner in accordance with local/national regulations         If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified) <b>U</b> Number :       unregulated         Marine (MO-IMDG)       Not restricted for transport.         Marine (ICAO / IATA)       Not restricted for transport. <b>EUROPEAN REGULATIONS</b> EUROPEAN REGULATIONS         - ECI labelling       Kone	Water	-		
However, the "mineral oil" portion of the virgin product is intrinsically biodegradable.         Particular ingredients may not be biodegradable         The virgin product is considered to present no danger for land-growing organisms.         It is considered to present a little danger for aquatic life.         no information available for used product         IJ. Disposal considerations         Waste disposal :       Dispose in a safe manner in accordance with local/national regulations         If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         IV. Number :       unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       Vot restricted for transport.         -EC labelling       -         -EC labelling       -         -Symbol(s)       None				
Ecotoxicity:       Particular ingredients may not be biodegradable         Ecotoxicity:       The virgin product is considered to present no danger for land-growing organisms. It is considered to present a little danger for aquatic life. no information available for used product <b>J3. Disposal considerations</b> Used packaging disposal :         Waste disposal :       Dispose in a safe manner in accordance with local/national regulations If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified) <b>14. Transport information</b> unregulated         Road (ADR / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS - EC labelling - Symbol(s)       None	reisischee and degradaonity.		ically biodegradable	
Ecotoxicity:       The virgin product is considered to present no danger for land-growing organisms. It is considered to present a little danger for aquatic life. no information available for used product         J. Disposal considerations       Jispose in a safe manner in accordance with local/national regulations If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         UN Number :       unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS - EC labelling - Symbol(s)       None				
It is considered to present a little danger for aquatic life.         no information available for used product <b>13. Disposal considerations</b> Waste disposal :       Dispose in a safe manner in accordance with local/national regulations If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified) <b>14. Transport information</b> unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport. <b>15. Regulatory information</b> EUROPEAN REGULATIONS         -EC labelling       EUROPEAN REGULATIONS         -EC labelling       Kone	Ecotoxicity:		wing organisms.	
Importation and a set of the set of				
Waste disposal :       Dispose in a safe manner in accordance with local/national regulations         If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         UN Number :       unregulated         Road (ADR / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       -         - EC labelling       -         - Symbol(s)       None				
If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         14. Transport information       unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       - EC labelling         - EC labelling       - Symbol(s)         None       None	13. Disposal considerations			
If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation         Used packaging disposal :       Conform to the regulation in effect         Industrial waste number EU :       13-08-99 (wastes not otherwise specified) <b>14. Transport information</b> unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       - Serviced for transport.         - EC labelling       - Symbol(s)         None       None	Waste disposal :	Dispose in a safe manner in accordance with local/national regula	tions	
Used packaging disposal :Conorm to the regulation in effectIndustrial waste number EU :13-08-99 (wastes not otherwise specified) <b>14. Transport information</b> unregulatedUN Number :unregulatedRoad (ADR) / Rail (RID)/ River (ADNR)Not restricted for transport.Marine (IMO-IMDG)Not restricted for transport.Airline (ICAO / IATA)Not restricted for transport.IS Regulatory informationEUROPEAN REGULATIONS- EC labelling- EC labelling- Symbol(s)- Symbol(s)None				
Industrial waste number EU :       13-08-99 (wastes not otherwise specified)         14. Transport information       unregulated         UN Number :       unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         EUROPEAN REGULATIONS       - EC labelling         - Symbol(s)       None		an approved installation		
14. Transport information         UN Number :       unregulated         Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         15. Regulatory information       EUROPEAN REGULATIONS         - EC labelling       - Symbol(s)         None       None	Used packaging disposal :	Conform to the regulation in effect		
Image:	Industrial waste number EU :	13-08-99 (wastes not otherwise specified)		
Road (ADR) / Rail (RID)/ River (ADNR)       Not restricted for transport.         Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport.         Not restricted for transport.       Not restricted for transport.         Image: stricted for transport.       None	14. Transport information			
Marine (IMO-IMDG)       Not restricted for transport.         Airline (ICAO / IATA)       Not restricted for transport         15. Regulatory information       EUROPEAN REGULATIONS         - EC labelling       - EC labelling         - Symbol(s)       None	UN Number :	unregulated		
Airline (ICAO / IATA)     Not restricted for transport       15. Regulatory information     EUROPEAN REGULATIONS       - EC labelling     - Symbol(s)       None	Road (ADR) / Rail (RID)/ River (ADNR)	Not restricted for transport.		
15. Regulatory information         EUROPEAN REGULATIONS         - EC labelling         - Symbol(s)         None	Marine (IMO-IMDG)	-		
EUROPEAN REGULATIONS - EC labelling - Symbol(s) None	Airline (ICAO / IATA)	Not restricted for transport		
- EC labelling - Symbol(s) None	15. Regulatory information			
- Symbol(s) None	EUROPEAN REGULATIONS			
	- EC labelling			
- R Phrase(s) None	- Symbol(s)	None		
	- R Phrase(s)	None		

#### TOTALFINAELF LUBRIFIANTS

	TOTAL CARTER EP 220	Page:6/6
Product code: P055-0000581-08	Issue : 4	Date: 09/07/2001
		Invalidates and replaces the issue of : 18/06/1998
- S Phrase(s)	None	
16. Other information		
This data sheet conforms to standards defined by di	rective 93/112/EEC	
Date of current version:	09/07/2001	
Supersedes previous Safety Data Sheet of:	18/06/1998	
Emergency phone numbers :	+44.(0)171 635 91 91 / Nantional Po	bisons Information Service LONDON
	+44 1222 70 99 01 / Welsh National	Poisons Unit CARDIFF
	+44 131 536 23 00 / Scottish Poisons	s Information Bureau EDINBURGH
	+44 1 232 24 05 03 / Regional drug a	and poisons Information Service BELFAST
	+353 1 837 99 64 / Poisons Informa	tion Centre DUBLIN

"This Safety Data Sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of ou knowledge at the date indicated hereabove.

It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk.

The information given herein in no way dispenses the user from knowing and applying all provisions regulating his or her activity. The user bears sole liability for the precautions required when using the product.

The regulatory texts indicated herein are intended to aid the user to fulfill his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned."

End of document. Number of page(s):6