



SAFETY DATA SHEET

Terrain CT10

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Terrain CT10
Product number 7291
Internal identification GHS21530

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Transmission oil.
Uses advised against Non specified unless otherwise stated within this MSDS

1.3. Details of the supplier of the safety data sheet

Supplier Morris Lubricants
 Castle Foregate
 Shrewsbury
 Shropshire
 SY1 2EL
 +44 (0) 1743 232200
 +44 (0) 1743 353584
 sds@morris-lubricants.co.uk

Manufacturer MORRIS LUBRICANTS
 Castle Foregate
 Shrewsbury
 Shropshire
 SY1 2EL
 UK
 +44 (0) 1743 232200
 +44 (0) 1743 353584
 sds@morris-lubricants.co.uk

1.4. Emergency telephone number

Emergency telephone +44(0)1743 232200 (08.45 - 17.00 GMT)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Eye Irrit. 2 - H319
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) -

2.2. Label elements

Terrain CT10

Hazard pictograms



Signal word	Warning
Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention.
Supplementary precautionary statements	P501a Dispose of contents/container to hazardous or special waste collection point.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Distillates,hydrotreated heavy paraffinic	30-60%
CAS number: 64742-54-7	EC number: 265-157-1
	REACH registration number: 01-2119484627-25-0014
Classification	Classification (67/548/EEC or 1999/45/EC)
Asp. Tox. 1 - H304	-
Distillates,hydrotreated heavy paraffinic	30-60%
CAS number: 64742-54-7	EC number: 265-157-1
	REACH registration number: 01-2119484627-25-0014
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-
Mineral Oil	<1%
CAS number: —	
Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

Terrain CT10

Eye contact Remove any contact lenses and open eyelids wide apart.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact May cause severe eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor Treat symptomatically

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling, skin and eye contact.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Miscellaneous hazardous material storage.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Distillates,hydrotreated heavy paraffinic

Long-term exposure limit (8-hour TWA): ACGIH 5

Short-term exposure limit (15-minute): ACGIH 10 mg/m³

Distillates,hydrotreated heavy paraffinic

Long-term exposure limit (8-hour TWA): ACGIH 5 mg/m³

Short-term exposure limit (15-minute): ACGIH 10 mg/m³

Mineral Oil

Long-term exposure limit (8-hour TWA): OES 5 mg/m³(c)

ACGIH = American Conference of Governmental Industrial Hygienists.

2-ethylhexyl zinc dithiophosphate (CAS: 4259-15-8)

Terrain CT10

DNEL	Workers - Dermal; systemic effects: 0.14 mg/kg/day
	Workers - Inhalation; systemic effects: 0.422 ppm
	Workers - Inhalation; Long term systemic effects: 0.07 ppm
	Workers - Dermal; local effects: 0.09 mg/cm ²
	Workers - Inhalation; local effects: 0.42 ppm
	Workers - Inhalation; Long term systemic effects: 0.21 ppm
	Workers - Dermal; Long term systemic effects: 0.09 mg/cm ²
	Workers - Dermal; Long term systemic effects:
PNEC	- Fresh water; 0.004 mg/l
	- Soil; 0.0548 mg/kg
	- Sediment (Freshwater); 0.0701 mg/kg
	- marine water; 0.0046 mg/l
	- Sediment (Marinewater); 0.00701 mg/kg
	- STP; 3.8 mg/l
	- Air; 7.1 mg/m ³

Phenol, dodecyl-,sulfurized, carbonates, calcium salts, overbased (CAS: 68784-26-9)

DNEL	Industry - Dermal; Short term systemic effects: 80 mg/kg/day
	Industry - Inhalation; Short term systemic effects: 167 mg/m ³
	Industry - Dermal; Long term systemic effects: 20.8 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 70.52 mg/m ³
	Consumer - Dermal; Short term systemic effects: 40 mg/kg/day
	Consumer - Oral; Short term systemic effects: 50 mg/m ³
	Consumer - Oral; Long term systemic effects: 5 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 10.42 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 52.6 mg/m ³	
PNEC	- Fresh water; 0.1 mg/l
	- marine water; 0.01 mg/l
	- Sediment (Freshwater); 132000 mg/kg
	- Sediment (Freshwater); 13200 mg/kg
	- Soil; 263000 mg/kg

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Terrain CT10

Hygiene measures	Provide eyewash station. Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Amber.
Odour	Characteristic. Oil-like.
Odour threshold	Not determined.
pH	Not applicable.
Melting point	-36°C
Initial boiling point and range	>320°C @ 101.3 kPa
Flash point	201°C Pensky-Martens closed cup.
Other flammability	Product is not flammable but on excessive heating may become combustible.
Vapour pressure	<0.1 kPa @ 20°C
Vapour density	Not determined.
Relative density	0.870 @ 15.6°C
Solubility(ies)	The product is insoluble in water. Soluble in the following materials: Organic solvents.
Partition coefficient	Not determined. log Kow: > 7 This figure is typical of mineral oil.
Auto-ignition temperature	>320°C
Decomposition Temperature	Not determined.
Viscosity	40 cSt @ 40°C
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

9.2. Other information

Volatile organic compound	The product is a complex mixture, the majority of which would not be classed as a VOC. However it cannot be discounted that trace or low levels of VOC's may be present.
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Terrain CT10

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion May cause discomfort if swallowed.

Skin contact Liquid may irritate skin.

Eye contact Irritating to eyes.

SECTION 12: Ecological information

Ecotoxicity The product is not classed as 'Dangerous to the Environment' but this does not exclude the possibility that large spills may have a damaging effect on the environment.

12.1. Toxicity

12.2. Persistence and degradability

Persistence and degradability This product is not readily biodegradable

12.3. Bioaccumulative potential

Bioaccumulative potential Contains mineral oil which has a potential to bioaccumulate and may interfere with normal functioning of ecological cycles.

Partition coefficient Not determined. log Kow: > 7 This figure is typical of mineral oil.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleansing materials should be collected in designated containers labelled with their contents. Treat as hazardous waste.

Waste class European Waste Catalogue = 13 03 10* (other insulating and heat transmission oils)

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Terrain CT10

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78
and the IBC Code

SECTION 15: Regulatory information

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

15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

SECTION 16: Other information

Revision date	24/07/2019
Revision	4
Supersedes date	05/01/2017
SDS number	21530
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H319 Causes serious eye irritation.