

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Trade name
Trek 50

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

Industry sector: General Public: For personal use.
Type of use: Insect repellent

1.3. Details of the supplier of the safety data sheet**Identification of the company**

Pyramid Travel Products
Spylaw Road
Kelso
Roxburghshire
TD5 8DL
Telephone: +44 (0)1573 226901
Fax Number: +44 (0)1573 226026

1.4. Emergency telephone number

+44 (0)1573 226901 (Monday to Friday 9.00AM -5.00PM only)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Category of danger	H statements
Physical and chemical hazards None	none
Human health Eye irritation (Category 2), Skin irritation (Category 2),	H319 Causes serious eye irritation H315 Causes skin irritation
Potential environmental effects Chronic aquatic toxicity (Category 3)	H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labeling according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Hazard pictograms



Signal word: Warning

Hazard statements

H319	Causes serious eye irritation.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102	Keep out of reach of children
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection
P273	Avoid release to the environment

Response

P301+312+330	IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell
P302 +P352	IF ON SKIN Wash with soap and water
P321	Get specific medical treatment
P332 + P313	If skin irritation occurs: Get medical advice/attention
P362	Take off contaminated clothing and wash before reuse
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing
P332+313	If eye irritation persists: Get medical advice/attention

Disposal

P501:	Dispose of contents/container to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities
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2.3. Other hazards

Irritating to eyes and skin.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3: Composition/information on ingredients

Name	% w/w	CAS number /EC Number	Hazard Statements for ingredient
N, N-Diethyl-m-tolulamide	48.7%	CAS134-63-3 EC 205-149-7	H303 H319 H315 H412
Propan-2-ol	1-5%	CAS 67-63-0 EC 200-661-7	H225 H319 H336

See section 16 for meaning of Hazard statements for ingredients where not applicable to the product

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove soiled or soaked clothing immediately. Seek medical assistance if discomfort continues.

After inhalation

When inhaled remove to fresh air and seek medical aid.

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice

After ingestion

When swallowed seek medical aid immediately and show the physician the packaging or the label of the packaging.

Contact with skin

Can cause irritation to sensitive individual. If irritation occurs wash skin with soap and water. Do not reuse the product. Consult a doctor if skin irritation persists.

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

No symptoms known currently.

Hazards

No hazards known at this time.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

water spray jet
alcohol-resistant foam
dry powder
carbon dioxide

Extinguishing media that must not be used for safety reasons

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus

Further information

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.
Skin and eye protection is not required for personal use.
Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, universal binder)
When picked up, treat material as prescribed under heading "Disposal".

6.4. Reference to other sections

Additional information

Information regarding Safe handling, see chapter 7.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Open and handle container with care.

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Observe the general rules of industrial fire protection

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Keep only in the original container

Advice on storage compatibility

Do not store or transport together with foodstuffs

Further information on storage conditions

Keep container tightly closed in a well-ventilated place

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

Appropriate engineering controls

Use local exhaust ventilation.

General protective measures

Avoid contact with eyes and skin
Do not inhale vapours

Hygiene measures

Observe the usual precautions when handling chemicals. Do not eat or drink during work time.
Clean skin thoroughly after work; apply skin cream.

Respiratory protection:

Use respiratory protection in case of insufficient exhaust ventilation or prolonged exposure
Full mask to standard DIN EN 136
Combination filter A/P3 to standard DIN EN 141
The use of filter apparatus presupposes that the environment atmosphere contains at least 17% oxygen by volume, and does not exceed the maximum gas concentration, usually 0.5% by volume. Relevant guidelines to be considered include EN 136/141/143/371/372 as well as other national regulations.
Observe applicable relevant national regulations,(e.g. TRGS 900 and BGR 190 in Germany).Take note of the recommendations regarding the duration for which Respiratory Protective Equipment may be worn, according to

chapter 19 Abs. 5 GefStoffV in conjunction with the rules of wearing such equipment.

Hand protection:

Butyl rubber gloves
Minimum breakthrough time / gloves: 480 min
Minimum thickness / gloves 0.5 mm

These types of protective gloves are offered by various manufacturers. Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time. Consider also the particular working conditions under which the gloves are being used.

Eye protection:

Depending on the risk, wear sufficient eye protection (safety glasses with side protection or goggles, and if necessary, face shield.)

Body protection:

impermeable protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Form:	Liquid
Particle size:	Not applicable
Colour:	colourless to slightly yellow
Odour:	characteristic
Odour threshold:	not tested.
PH value:	approx. 5-7 (24 °C, 10 g/l)
Melting point:	not tested.
Boiling point:	not tested.
Flash point:	approx. 74 °C Source: product testing
Evaporation rate:	not tested.
Flammability	
Lower explosion limit:	not tested.
Upper explosive limit:	not tested.
Combustion number:	Not applicable
Minimum ignition energy:	not tested.
Vapour pressure:	not tested.
Vapour density relative to air:	not tested.
Solubility in water:	approx. 10-20 g/l Source: based on ingredient data
Soluble in ...:	fat not tested.
Octanol/water partition	not tested.

Coefficient (log POW):	Source: literature
Ignition temperature:	not tested.
Self-ignition temperature:	Not applicable
Thermal decomposition:	Stable up to boiling point.
Viscosity (dynamic):	1549 ± 60 map's (20 °C) 594 ± 23 map's (40 °C)
Viscosity (kinematic):	not tested.
Surface tension:	35.5Nm ⁻¹ ± 0.03 Nm ⁻¹
Explosive properties:	Explosive according to EU supply regulations: no data
Oxidizing properties:	Not applicable

9.2. Other information

Density:	1.002 - 1.007 g/cm ³ Source: literature
Bulk density:	Not applicable

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Reactions with acids, alkalis and oxidizing agents.

10.4. Conditions to avoid

10.5. Incompatible materials not known

10.6. Hazardous decomposition products

When handled and stored appropriately, no dangerous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Data below is for Active ingredient DEET at 97-99% concentration

Acute oral toxicity:	LD50 approx. 1,892 mg/kg (rat) Method: US-EPA OPPTS 870.1100 Source: literature
Acute dermal toxicity:	LD50 > 5,000 mg/kg (rat) Method: US-EPA OPPTS 870.1200 Source: literature
Acute inhalation toxicity:	LC50 > 2.02 mg/l (rat) Method: US-EPA OPPTS 870.1300 Source: literature
Irritant effect on skin:	slightly irritant Method: US-EPA OPPTS 870.2500 Source: literature
Irritant effect on eyes:	Mod. Irritant Method: US-EPA OPPTS 870.2400

	Source: literature
Sensitization:	non-sensitizing Method: US-EPA OPPTS 870.2600 Source: literature
Repeated dose toxicity:	not tested.
Assessment of mutagenicity:	Not mutagenic in Ames Test. Source: literature
Assessment of Carcinogenicity:	not tested.
Assessment of toxicity to Reproduction:	not tested.
Assessment of teratogenicity :	Not tested.
Specific target organ toxicity (STOT) - single exposure :	Remarks: not tested.
Specific target organ toxicity (STOT) - repeated exposure :	Remarks: not tested.

SECTION 12: Ecological information

All data below is for Active ingredient DEET at 97-99% concentration

12.1. Toxicity

Fish toxicity:	LC50 approx. 97 mg/l (96 h, rainbow trout) Method: OECD 203 Source: literature
Daphnia toxicity:	LC50 approx. 75 mg/l (51 h, Daphnia magna) Method: US-EPA Ecological Research Series 660/3-75009 Source: literature
Algae toxicity:	IC50 approx. 43 mg/l (96 h, Selenastrum capricornutum) Method: OECD 201 Source: literature
Bacteria toxicity:	> 1,000 mg/l (3 h, activated sludge) Method: OECD Guide-line 209 Source: literature

12.2. Persistence and degradability

Biodegradability:	83.8 % (28 d) Method: OECD 301 B Source: literature
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12.3. Bio accumulative potential

Bioaccumulation:	not tested.
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12.4. Mobility in soil

Transport and distribution Between environmental compartments:	not tested.
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12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects**Additional ecotoxicological remarks**

No data available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Product**

Product should be taken to a suitable and authorized waste disposal site in accordance with relevant regulations and if necessary after consultation with the waste disposal operator and/or the competent Authorities

SECTION 14: Transport information**Section 14.1. to 14.5.**

ADR	not restricted
ADNR	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Biocidal product regulations EC528 2012**

This product is authorized for use as an insect repellent by the following competent authorities

United Kingdom UK-2016-966-002

Ireland IE/BPA 70330-001

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Significant changes at last revision

References to DPD regulation removed

UK and Irish Approval numbers added

Meaning of H Statement codes in section 3 and not given in Section 2

H225 Highly flammable liquid and vapour

H336 May cause drowsiness or dizziness

Observe national, federal and local legal requirements with regard to use of this product. Always check with relevant regulatory authorities before use.

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