



**PRODUCT SAFETY DATA SHEET**  
(According to Regulation (EC) No. 453/2010)

**1. Identification of the substance/mixture & of the company/undertaking**

**1.1 Product Identifier**

Trade Name : **T1312 – Engine Flush**

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

Use of the Substance/Mixture : Engine Oil Treatment

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available

**1.3 Details of the supplier of the safety data sheet**

Company Unit 7 Clovelly Business Park, Clovelly Road, Southbourne Industrial Estate,  
Southbourne, Emsworth, Hampshire PO10 8PE

**1.4 Emergency telephone number**

Emergency phone number : (Office hours only): 01405 768815

**2. Hazards Identification.**

**2.1 Classification of the substance or mixture**

**Classification according to EU Directive 1999/45/EC**

Hazard Symbol/Category of danger	Risk Phrases
Harmful	R65
	R66

**Classification according to Regulation (EC) No 1272/2008**

Refer to Section 16.

For the wording of the listed R phrases or H statements, refer to section 16.

**2.2 Label elements**

**Labelling according to EU Directive 1999/45/EC**

**Hazard Symbol:**



**Classification:** Xn Harmful

**Risk Phrases:** R65: Harmful: may cause lung damage if swallowed  
R66: Repeated exposure may cause skin dryness or cracking

**Safety Phrases:** S2: Keep out of the reach of children  
S24/25: Avoid contact with skin and eyes  
S37: Wear suitable gloves  
S62: If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label.

## Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

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### Hazardous components which must be listed on the label

Contains Petroleum Distillate

### 2.3 Other hazards

None known

## 3. Composition/Information on Ingredients.

### 3.2 Mixtures

Substances presenting a health or environmental hazard according to Directive 67/548/EEC or Regulation EC1272/2008

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Petroleum Distillate	EC – 265-149-8 CAS – 64742-47-8	Harmful R65 Harmful R66	Asp. Tox 1 H304 EUH 066	60-80%
Solvent Naphtha	EC – 265-198-5 CAS – 64742-94-5	Harmful R65 Harmful R66 Dangerous to the Environment R52/53	Asp. Tox. 1 H304 EUH 066 Aquatic Chronic 3 H412	1-2.5%

### Additional information:

## 4. First Aid Measures.

### 4.1 Description of first aid measures

**Eye Contact:** Flush with clean water for 15minutes. If irritation persists, obtain medical attention.

**Skin Contact:** Wash off with soap and water. The application of skin reconditioning (emollient) cream can be beneficial.

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.

**Ingestion:** Water to drink and rinse may be beneficial. **Aspiration Hazard.** May cause rapid absorption via lungs, resulting in injury to other body systems. Do not induce vomiting without medical advice.

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

No further information available

### 4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

## 5. Fire Fighting Measures:

### 5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, Sand, Earth, Fine Water Spray suitable.

Unsuitable Extinguishing Media : Water jet.

### 5.2 Special hazards arising from the substance or mixture

Not classed as flammable but inherently combustible. If involved in a fire may emit noxious fumes.

### 5.3 Advice for fire fighters

Wear self contained breathing apparatus and protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

## 6. Accidental Release Measures.

## 6.1 Personal precautions, protective equipment and emergency procedures

Remove ignition sources. Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes.

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## 6.2 Environmental precautions

Prevent from spreading (e.g. by dusting a ring of chemical binder). As the product is hazardous for the aquatic environment, it must be prevented from reaching surface water. Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

## 6.3 Methods and materials for containment and cleaning up

Soak liquid in absorbent material and collect solids in a container. Wash down floor area as spillages can be slippery. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent. Use only in well ventilated areas.

## 6.4 Reference to other sections

For personal protection refer to section 8

## 7. Handling and Storage.

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Take note of emission threshold.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store in mild steel, stainless steel or polyethylene containers. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

### 7.3 Specific end uses

To be used as an engine oil treatment

## 8. Exposure Controls/Personal Protection.

### 8.1 Control parameters

#### Exposure limit values:

Ingredient Name		8hr TWA	15min STEL
Petroleum Distillates	WEL	5mg/m <sup>3</sup>	10mg/m <sup>3</sup>

### 8.2 Exposure controls

Respiratory Protection: Avoid prolonged contact with airborne mists, generated by atomising systems. Avoid breathing vapours.

Hand: PVC or rubber gloves are recommended.

Eyes: Safety eye goggles should be worn.

Skin: Use protective clothing. Remove contaminated clothing and wash with soap and water.

### 8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

## 9. Physical and Chemical Properties.

### 9.1 Information on basic physical and chemical properties

Appearance:	Clear Amber Fluid
Odour:	Solvent
Odour Threshold:	Not determined
pH Neat:	Not applicable
Freezing Point:	Not determined
Initial Boiling Point & Boiling Range:	173-250°C
Flash Point:	>60°C
Evaporation rate:	Not determined
Flammability:	Flammable
Upper/Lower Flammability Limits:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	(Water=100) >1

**Relative Density:** 0.830 typical @ 20°C  
**Solubility:** Insoluble in water Soluble in many organics  
**Partition Coefficient (Oct/Water):** Not determined  
**Auto Ignition Temperature:** Not determined

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**Decomposition Temperature:** Not determined  
**Viscosity @ 40°C:** <7.0 c/st  
**Explosive Properties:** Not determined  
**Oxidising Properties:** Not applicable

## 9.2 Other Information

No other information available.

## 10. Stability and Reactivity.

### 10.1 Reactivity

No information available

### 10.2 Chemical Stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to Avoid:

Avoid naked flames, hot surfaces and other high temperature sources.

### 10.5 Incompatible materials

Strong oxidising agents.

### 10.6 Hazardous decomposition products

Oxides of Carbon will be evolved, along with other unidentified organic compounds, some of which may be toxic. Product is stable under normal conditions.

## 11. Toxicological Information.

### 11.1 Information on toxicological effects

**Eyes:** Contact will cause temporary irritation and stinging.  
**Skin:** Brief or occasional contact is unlikely to cause any significant reaction. Prolonged or repeated contact may lead to de-fatting of the skin and/or slight irritation.  
**Inhalation:** Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract, possible inflammation of the lungs. May cause headaches and dizziness.  
**Ingestion:** Aspiration Hazard. May cause lung damage if material gets into lungs after swallowing, breathing vapour/spray or vomiting swallowed material. Swallowing of small amounts is not likely to cause serious discomfort. If swallowed in larger quantities, may cause vomiting and diarrhoea.

## 12. Ecological Information.

### 12.1 Toxicity

Eco-toxicity: Solvent Naphtha LC50 96hrs (fish) 2 mg/l

### 12.2 Persistence and Degradability:

Inherently bio-degradable according to OECD guidelines.

### 12.3 Bio-accumulative potential

Not expected to bio-accumulate

### 12.4 Mobility in soil

Should not be deposited where it can effect ground or surface waters.

### 12.5 Results of PBT and vPvB assessment

No information

## 12.6 Other adverse effects

Not known.

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## 13. Disposal Recommendations.

### 13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. Dispose of empty containers in accordance with local and national regulations. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

## 14. Transport Information.

Product is not classified as hazardous for transport.

## 15. Regulatory Information.

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

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

### 15.2 Chemical safety assessment

No information at the present time.

## 16. Other Information.

### Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Aspiration hazard	Category 1	H304

### Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word:

**Danger**

Hazard Statements:

H304  
EUH066

May be fatal if swallowed and enters airways  
Repeated exposure may cause skin dryness or cracking.

Precautionary Statements:

General:

P101: If medical advice is needed have product container or label at hand

P102: Keep out of the reach of children

Prevention:

P262: Do not get in eyes, on skin or on clothing

P280: Wear protective gloves

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Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P331 Do NOT induce vomiting

**Hazardous components which must be listed on the label**

Contains Petroleum Distillate

**Full text of R-phrases referred to under sections 2 & 3**

R65: Harmful: may cause lung damage if swallowed

R66: Repeated exposure may cause skin dryness or cracking

R52/53: Harmful to aquatic organisms. May cause long term adverse effects in the aquatic environment.

**Full text of H-Statements referred to under sections 2 & 3**

H304 May be fatal if swallowed and enters airways

H412 Harmful to aquatic life with long lasting effects

EUH066 Repeated exposure may cause skin dryness or cracking.

**Training Advice**

Users should be trained in good industrial hygiene practise.

**Department issuing data specification sheet:** Health and Safety Department

**Contact**

Malcolm Gibson. Tel (0)1405 768815, E-Mail: [malcolm@technikraft.co.uk](mailto:malcolm@technikraft.co.uk)

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

**Further Information**

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.

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