

SAFETY DATA SHEET

Revision: 2.0 Date: 03.08.2016



Tiger Tim

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH),
1272/2008 (CLP) & 2015/830

www.tigertimproducts.co.uk

Firelighters (Kerosene)

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product Name	Firelighters (Kerosene)
CAS No.	Mixture.
EINECS No.	Mixture.
REACH Registration No.	None assigned.

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

Identified use(s)	Consumer use: Product used for the ignition of solid fuels.
Uses advised against	None known.

1.3 Details of the supplier of the Safety Data Sheet

Manufacturer	Tiger Tim Products Ltd Rhosesmor, Mold Flintshire, CH7 6PZ United Kingdom
Telephone	+0044 (0) 1352 78 0861
Fax	+0044 (0) 1352 78 1294
E-Mail (competent person)	sales@tigertimproducts.co.uk

1.4 Emergency telephone number

Emergency Phone No.	+0044 (0) 1352780861 +0044 (0) 7984473602 +0044 (0) 7931831452 24hours, English
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2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP)	Flam. Sol. 2; H228
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2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP).

Product Name

Firelighters (Kerosene)

Hazard Pictogram



Signal word(s)

WARNING

Hazard statement(s)

H228: Flammable solid.

Precautionary statement(s)

P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P101: If medical advice is needed, have product container or label at hand.

2.3 Other hazards

None

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3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

According to Regulation (EC) No. 1272/2008 (CLP)

General description: Contains a complex and variable mixture of hydrocarbon fuels totalling >75%.

Chemical identity of the substance	%W/W	Identification Number(s)	REACH Registration No.	Hazard classification
Kerosene (petroleum), hydrodesulfurized	0 - 75%	CAS No. 64742-81-0 EC No. 265-184-9	01-2119462828-25-xxxx	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411
Kerosene (petroleum)	0 - 75%	CAS No. 8008-20-6 EC No. 232-366-4	01-2119485517-27-xxxx	Flam. Liq. 3; H226 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411
Kerosene (Fischer Tropsch), Full range, C8-C16 branched and linear alkanes	0 - 75%	CAS No. 848301-66-6 EC No. 481-670-5	01-0000020121-90-xxxx	Flam. Liq. 3; H226 Asp. Tox. 1; H304

Kerosene substances may contain hazardous impurity(ies):

Xylene	<2%	CAS No. 1330-20-7 EC No. 215-535-7	01-2119488216-32-xxxx	Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315
Ethylbenzene	<2%	CAS No. 100-41-4 EC No. 202-849-4	01-2119489370-35-xxxx	Flam. Liq. 3; H225 Acute Tox. 4; H332

For full text of H/P Statements see section 16.

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Unlikely route of exposure. Product is a solid.

IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact

IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. If eye irritation persists, get medical advice/attention.

Ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

4.2 Most important symptoms and effects, both acute and delayed

Repeated and/or prolonged skin contact may cause irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.

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5.2	Unsuitable Extinguishing Media Special hazards arising from the substance or mixture	Do not use water jet. This product may give rise to hazardous fumes in a fire. Carbon monoxide, Carbon dioxide.
5.3	Advice for fire-fighters	Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Chemical protection suit. Keep containers cool by spraying with water if exposed to fire. Evacuate if necessary.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Remove or make safe all sources of ignition. Use personal protective equipment as required. Ensure adequate ventilation.
6.2	Environmental precautions	Do not allow to enter drains, sewers or watercourses.
6.3	Methods and material for containment and cleaning up	Sweep up and shovel into waste drums or plastic bags. Transfer to a lidded container for disposal or recovery. Keep away from heat and sources of ignition.
6.4	Reference to other sections	See Also Section 13.

7. SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Unlikely to cause harmful effects under normal conditions of handling and use. Wear suitable gloves if prolonged skin contact is likely. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Keep away from heat and sources of ignition. Avoid breathing vapours.
7.2	Conditions for safe storage, including any incompatibilities Storage Temperature Storage Life Incompatible materials	Ambient. Keep away from heat and direct sunlight. Stable at ambient temperatures. Keep in a well-ventilated place. Strong oxidising agents.
7.3	Specific end use(s)	Product used for the ignition of solid fuels in domestic appliances.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational Exposure Limits	Due to the constituents being bonded by the polymerisation process, there are no exposure limits for this product. No WEL: Workplace Exposure Limit (UK HSE EH40).
8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	Not established
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Ensure adequate ventilation.
8.2.2	Personal protection equipment Eye/face protection	Use personal protective equipment as required. Not normally required.



Skin protection (Hand protection/ Other)



Respiratory protection



Wear suitable gloves if prolonged skin contact is likely. Wear impervious gloves (EN374). Nitrile rubber, breakthrough time >240 minutes.

Normally no personal respiratory protection is necessary.

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Thermal hazards Not applicable.

8.2.3 Environmental Exposure Controls Avoid release to the environment.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	White Solid.
Odour	Petroleum spirit.
Odour Threshold (ppm)	Not established.
pH (Value)	Not available.
Melting Point (°C) / Freezing Point (°C)	-47°C (Kerosene).
Boiling point/boiling range (°C):	>= 90 <= 300 °C. (Kerosene).
Flash Point (°C)	38 - 55°C (Kerosene).
Evaporation rate	Not available.
Flammability (solid, gas)	Flammable solid: Burn rate <= 45s (Mixture).
Explosive limit ranges	Not applicable.
Vapour Pressure (mm Hg)	Not available.
Vapour Density (Air=1)	Not available.
Relative density	0.7 g/cm ³ @ 20°C (Mixture)
Solubility(ies)	Insoluble in water.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Viscosity (mPa. s)	Solid (Mixture).
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2 Other information None.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Stable under normal conditions.
10.4 Conditions to avoid	Keep away from heat and direct sunlight. Avoid contact with heat and ignition sources.
10.5 Incompatible materials	Strong oxidising agents.
10.6 Hazardous Decomposition Product(s)	Decomposition products: Carbon monoxide, Carbon dioxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Mixture

Acute toxicity
Irritation
Based upon the available data, the classification criteria are not met.
Kerosene (petroleum), hydrodesulfurized. Skin Irrit. 2; (rabbit) OCED 404.
Mixture - Not classified.

Corrosivity
Sensitisation
Repeated dose toxicity
Carcinogenicity
Mutagenicity
Toxicity for reproduction
STOT - single exposure
Based upon the available data, the classification criteria are not met.
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Based upon the available data, the classification criteria are not met.
Kerosene (petroleum), hydrodesulfurized. STOT SE 3.
Mixture - Not classified.

STOT - repeated exposure
Based upon the available data, the classification criteria are not met.

11.2 Other information None.

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12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Mixture - Not harmful to aquatic organisms.
12.2	Persistence and degradability	The product is likely to persist in the environment. Part of the components are biodegradable. (Kerosene).
12.3	Bioaccumulative potential	The substance has no potential for bioaccumulation.
12.4	Mobility in soil	Insoluble in water. The product has low mobility in soil.
12.5	Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
12.6	Other adverse effects	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Normal disposal is via incineration operated by an accredited disposal contractor. Disposal should be in accordance with local, state or national legislation.
13.2	Additional Information	Uncleaned packaging may contain small amounts of flammable product so care is needed to avoid ignition sources.

14. SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1	UN number	UN 2623	
14.2	UN Proper Shipping Name	FIRELIGHTERS, SOLID with Flammable liquid	FIRELIGHTERS, SOLID with Flammable liquid
14.3	Transport hazard class(es)	4.1	4.1
14.4	Packing Group	III	III
14.5	Environmental hazards	Not classified as a Marine Pollutant.	Not classified as a Marine Pollutant.
14.6	Special precautions for user	See Section: 2	
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	
14.8	Additional Information	Limited Quantity: LQ9 Transport Category: 4(E)	

15. SECTION 15: REGULATORY INFORMATION

15.1	Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1	EU regulations	
	Authorisations and/or restrictions on use	None known.
15.1.2	National regulations	None known.
15.2	Chemical Safety Assessment	Not available.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Version 2.0 - (Updated: 03.08.2016): Formatting updated 2015/830.

Version 1.1 - (Updated: 11.03.2015).

Date of First Issue 29.01.2015.

References:

Existing Safety Data Sheets (SDSs).

Existing ECHA registration(s) for Kerosene (petroleum), hydrodesulfurised (CAS No. 64742-81-0), Kerosene (petroleum) (CAS No. 8008-20-6), Kerosene (Fischer Tropsch), Full range, C8-C16 branched and linear alkanes (CAS No. 848301-66-6), Xylene (CAS No. 1330-20-7) and Ethylbenzene (CAS No. 100-41-4).

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Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP)	Classification Procedure
Flam. Sol. 2; H228	UN Manual of Test Criteria - Flammable Solid Test Result
Not classified Asp. Tox. 1; H304	Kinematic Viscosity Test Result
Not classified Skin Irrit. 2; H315	Unlikely to cause skin irritation. Practical experience – Product is a solid.
Not classified STOT SE 3; H336	Unlikely to be hazardous by inhalation because of the low vapour pressure of the material at ambient temperature. Practical experience – Product is a solid.
Not classified Aquatic Chronic 2; H411	Product is a solid. Insoluble in water.

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
vPvB	very Persistent and very Bioaccumulative
OECD	Organisation for Economic Cooperation and Development

Hazard Statement(s)

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H332: Harmful if inhaled.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

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Annex to the extended Safety Data Sheet (eSDS)

No information available.