

SAFETY DATA SHEET

Revision: 2.0 Date: 21.05.17.

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

Firelighters (Kerosene)

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

1.1	Product identifier Product Name CAS No. EINECS No. REACH Registration No.	Firelighters (Kerosene) Mixture. Mixture. None assigned.
1.2	Relevant identified uses of the substance or mixture and uses advised against Identified use(s) Uses advised against	Ignition of solid fuels in domestic appliances. None known.
1.3	Details of the supplier of the Safety Data Sheet Supplier Telephone E-Mail	Nero Carbone S.r.l.s. Via Buccino, 22 84018 Scafati (SA) Italia +39 3388261921 nerocarbonesrls@libero.it
1.4	Emergency telephone number Emergency Phone No.	800883300 - 081459802 - 0266101029

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; Flammable solid
2.2	Label elements Product Name Hazard Pictogram	According to Regulation (EC) No. 1272/2008 (CLP). Firelighters (Kerosene) 
	Signal word(s)	Warning
	Hazard statement(s)	H228: Flammable solid.

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children. Precautionary statement(s) P102: Keep out of reach of
P210: Keep away from heat, hot surfaces, sparks, open flames and other
ignition sources. No smoking.
P270: Do not eat, drink or smoke when using this product.

2.3 Other hazards None.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

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 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

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation
Skin Contact

Eye Contact

Unlikely route of exposure. Mixture is a solid. IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

Wash skin with soap and water. If skin irritation occurs: Get medical advice/attention.

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

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	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. May cause eye 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 Unsuitable Extinguishing Media	CO2, Dry Powder, AFFF Foam, Alcohol Resistant Foam or water spray. Do not use water jet.
5.2		Special hazards arising from the substance or mixture 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	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.
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)	Ignition of solid fuels in domestic appliances.

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational Exposure Limits	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	Provide adequate ventilation.
8.2.2	Personal protection equipment Eye/face protection	Use personal protective equipment as required. Not normally required.

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Skin protection (Hand protection/ Other)



Respiratory protection



Wear suitable gloves if prolonged skin contact is likely. Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Normally no personal respiratory protection is necessary.

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
Colour
Odour

Solid.
White.
Petroleum spirit

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Odour Threshold (ppm)			Not established.
pH (Value)			Not available
Melting Point (°C) / freezing point			-49°C (Kerosene)
Boiling Point (°C) and boiling range			>= 90 <= 300 °C.(Kerosene)
Flash Point (°C) > 38 °C (Kerosene)	Evaporation rate	Not available.	
Flammability (solid, gas)			Flammable
Explosive limit ranges			Not applicable.
Vapour Pressure (mm Hg)	Not available.	Vapour Density (Air=1)	Not available.
available.	Relative Density	0.7g/cm ³ @ 20°C (mixture)	Solubility(ies)
			Insoluble in water.
Partition Coefficient (n-Octanol/water)	Not available.	Auto Ignition Temperature (°C)	Not available.
(°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 may include oxides of carbon.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
11.1.1 Mixture	
Acute toxicity	Not classified.
Irritation	Not classified, however Repeated and/or prolonged skin contact may cause irritation. May cause irritation to eyes, skin and air passages.
Corrosivity	Not classified.
Sensitisation	It is not a skin sensitiser.
Repeated dose toxicity	Not classified.
Carcinogenicity	No evidence of carcinogenicity.
Mutagenicity	There is no evidence of mutagenic potential.
Toxicity for reproduction	Not classified.
11.2 Other information	None.

12. SECTION 12: ECOLOGICAL INFORMATION

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12.1	Toxicity	Mixture Not classified. Low acute toxicity.
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	None.

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: 1-16.

References: Existing Safety Data Sheets (SDSs) and Existing ECHA registration(s) for Kerosene (CAS# 64742-81-0).

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Classification of the substance or mixture According to
Regulation (EC) No. 1272/2008 (CLP).

Classification Procedure

Flam. Sol. 2

Test Result

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

Annex to the extended Safety Data Sheet (eSDS)

No inf

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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(other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information.
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Annex to the extended Safety Data Sheet (eSDS)

No information available.