



SAFETY DATA SHEET

In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended

White kindling FF 100 cubes - tube

Date: 02.10.2018

Revision: 06.03.2024

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

1.1. Product identifier

White kindling FF 100 cubes - tube

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

Relevant identified uses: The product is used for lighting fire in household appliances.

Uses advised against: Not determined.

1.3. Details of the supplier of the safety data sheet

Supplier: Fire Family Sp. z o.o.

Address: Poland; PL 58-100 Świdnica; 8-10 Hetmańska Street

Telephone/Fax: +48 74 850 3627 / +48 74 850 3630

E-mail address of the person responsible for the SDS: jakosc@firefamily.pl

1.4. Emergency telephone number

112 (emergency call)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation 1272/2008/EC:

Flam. Sol. 1; H228

Hazards to man: Does not meet the criteria of classification.

Hazards to environment: Does not meet the criteria of classification as dangerous for the environment.

Hazard from physical and chemical properties: Flammable solid.

In section 16 stated the meaning of H-phrases and symbols.

2.2. Label elements

Label accordance with Regulation 1272/2008/EC (CLP)

Hazard pictograms, signal words:



Danger

Hazard statements:

H228 - Flammable solid.

Precautionary statements:

P102 - Keep out of reach of children.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

P240 - Ground and bond container and receiving equipment.

P241 - Use explosion-proof [electrical/ventilating/lighting] equipment.



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P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P501 - Dispose of contents/container to disposal containers.

The names of hazardous ingredients on the label: None.

Information on the package firelighters grill in accordance with EN 1860-3:

Kindling in accordance with the requirements of EN 1860-3:2005. Before you start cooking kindling should be completely burned, and fuel for the grill covered with ashes. Keep out of reach of children.

WARNING! Do not use alcohol or gasoline to ignite, and re-ignite after extinction!

WARNING! Use only firelighters complying with this European standard for firelighters (EN 1860-3).

EUH066 - Repeated exposure may cause skin dryness or cracking.

EUH208 - Contains formaldehyde. May produce an allergic reaction.

2.3. Other hazards

Does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation 1907/2006 (REACH).

The product does not contain ingredients entered in the list established in accordance with Art. 59 paragraph 1 as having endocrine disrupting properties or components with endocrine disrupting properties in accordance with the criteria set out in Regulation 2017/2100/EU or Regulation 2018/605/EU in a concentration equal to or greater than 0.1 %.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixture

Product in the form of a solid soaked with hydrocarbons.

Substance name:	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2 % aromatics*
Concentration [%]:	77-80
CAS Number:	-
EC Number:	918-481-9
Index Number:	-
Classification 1272/2008/EC:	Asp. Tox. 1; H304 EUH066
The registration number:	01-2119457273-39-XXXX

Substance name:	Formaldehyde
Concentration [%]:	<0.1
CAS Number:	50-00-0
EC Number:	200-001-8
Index Number:	605-001-00-5
Classification 1272/2008/EC:	Carc. 1B; H350 Muta. 2; H341



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	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 Skin Corr. 1B; H314 Skin Sens. 1; H317 Specific concentration limits: Skin Corr. 1B; H314: $C \geq 25 \%$ Skin Irrit. 2; H315: $5 \% \leq C < 25 \%$ Eye Irrit. 2; H319: $5 \% \leq C < 25 \%$ STOT SE 3; H335: $C \geq 5 \%$ Skin Sens. 1; H317: $C \geq 0.2 \%$ Note B, Note D
The registration number:	01-2119488953-20-XXXX

*Substance is not classified in Annex VI, Table 3.1 of Regulation 1272/2008. Classification of the manufacturer.

Note B: Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Note D: Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'.

In section 16 stated the meaning of H-phrases and symbols.

SECTION 4: First aid measures

4.1. Description of first aid measures

Improper use of the product may result in burns. The injured areas should be kept for 10 minutes under running cold water. Blisters should not be opened and loose skin should not be removed. Cover affected areas with clean, non-liquid, sterile material. Seek medical attention if problems persist.

Inhalation: Move the affected person to fresh air. Seek medical advice if necessary.

Skin contact: Take off contaminated clothing. Wash immediately contaminated skin with plenty of water and soap. Seek medical advice if necessary.

Eye contact: Remove any contact lenses. Flush eyes with plenty of water for 10 to 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical advice if necessary.

Ingestion: Rinse mouth, spit liquid again. Do not induce vomiting. Drink water in little sips. Caution if victim vomits: Risk of aspiration. Seek medical advice immediately.

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

Inhalation: In case of working in high temperature, where high concentrations of vapors may appear, headaches, drowsiness, and nausea may occur.



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Skin contact: May cause irritation or an allergic reaction in case of skin contact. Repeated exposure may cause skin dryness or cracking. Improper use can cause burns.

Eye contact: May cause eyes irritation.

Ingestion: Ingestion may cause severe lung damage. After swallowing gastrointestinal problems may occur.

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

Remove affected person from the environment contaminated by the product. In the event of health problems, consult your doctor or the center of toxicological concern. Provide the information contained in the SDS. If unconscious, do not give anything by mouth.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Sprayed water, carbon dioxide (CO₂), sand, alcohol resistant foam, dry powder.

Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

Flammable solid. In case of combustion hazardous products may be formed: carbon oxide, nitrogen oxides, soot, aldehyde, ketone, PAKs. Avoid inhalation of combustion products, because they may pose a health risk. Vapours may form explosive mixtures with air. The vapours are heavier than air, accumulate in the lower part of the room.

5.3. Advice for firefighters

Wear full protective equipment and self-contained breathing apparatus with independent air circulation. Containers exposed to fire or high temperature cool with water and if possible remove from the danger zone. Collect mechanically. Suppress vapors with a water spray jet. Protect drains, surface waters and soil from pollution. Water from fire treat as hazardous pollution and accumulate in separate containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Access of non-emergency personnel to the area of accident should be restricted until the completion of the disposal of the product. Wear appropriate personal protective equipment. Avoid contact with skin, eyes and clothes. Avoid ignition sources. No smoking. Provide adequate ventilation.

For emergency responders: Wear appropriate personal protective equipment. Avoid contact with skin, eyes and clothes. Avoid ignition sources. Provide adequate ventilation. No smoking.

6.2. Environmental precautions

Secure the gullies. Prevent contamination of surface water and ground. In the event of any serious pollution of the environment, notify the appropriate administrative authority, control and rescue services. Used containers should be disposed by delivering to eligible organizations.

6.3. Methods and material for containment and cleaning up

Secure damaged packaging. Collect mechanical. Collected product put in a substitute container, use or direct to the destruction. Clean contaminated articles and floor according to the environmental legislation.



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6.4. Reference to other sections

Disposal - see Section 13. Personal protective equipment - see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink, smoke or take drugs at work. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work with product. Avoid contact with eyes and skin. Keep out of reach of children. Keep away from direct sunlight, heat, hot surfaces, sparks, open flames and other ignition sources. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ ventilating/lighting] equipment. Provide adequate ventilation in the workplace. Protect skin by using skin protective cream. Before you start cooking kindling should be completely burned.

7.2. Conditions for safe storage, including any incompatibilities

Keep in properly labeled, factory sealed containers, with a label which complies with current regulations. Keep away from heat, hot surfaces, sparks, open flames and direct sunlight. Avoid ignition sources. Keep container tightly closed in a cool and well-ventilated place. Avoid contact with strong oxidizing agents, strong acid, alkalis, halogens.

7.3. Specific end use(s)

The product is used for lighting fire in household appliances.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Substance name	TWA	STEL	BLV
Formaldehyde [CAS: 50-00-0]	2.5 mg/m ³	2.5 mg/m ³	-

Legal basis: Ordinance on maximum permissible concentration and intensity of harmful factors in the work environment in accordance with national limit values.

[EH40/2005 Workplace exposure limits, fourth edition, published 2020, ISBN 978 0 7176 6733 8.](#)

Monitoring procedures:

Use methods described in European Standards.

8.2. Exposure controls

Mandatory general regulations on occupational health. Do not allow to exceed the normative concentrations of hazardous constituents in the workplace. After work, wash and clean the surface of the body and clothing. Do not eat, drink, smoke or take drugs at work. Remove contaminated clothing and clean before reuse. Wash hands and face before break and after working with the product. Avoid contact with skin, eye and clothing. Provide adequate ventilation in the workplace.

Eye/face protection: It is recommended to use tightly sealed safety glasses (in accordance with EN 166).

Skin Protection: It is recommended to wear suitable gloves made of nitrile rubber (thickness: 0.45 mm, penetration time: >240 min.) (in accordance with EN 374). Protect skin by using skin protective cream.



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Respiratory protection: Usually, it is not required. In case of inadequate ventilation wear respiratory protection: gas filtering equipment (in accordance with EN 141) or half mask with filter type A.

Thermal Hazards: It is recommended to use fire-resistant protective clothing.

The personal protective equipment used should meet the requirements of Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment. The employer must provide personal protective equipment appropriate to the type of work and in accordance with all requirements, including maintenance and cleaning.

Concentrations of hazardous substances in the workplace should be monitored in accordance with acknowledged test methods. Mode, method, type and frequency of testing and measurement of harmful factors in the working environment should meet the requirements of local/regional/national laws.

Environmental exposure controls: The large amount of product should not be allowed to penetrate through the ground water, sewage, waste water or soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Colour:	White
Odour:	Solvent
Melting point/freezing point:	-20 °C*
Boiling point or initial boiling point and boiling range:	175-225 °C (EN ISO 3405)*
Flammability:	Flammable solid
Lower and upper explosion limit:	7.0 % vol. / 0.6 % vol.*
Flash point:	≥61 °C (DIN EN ISO 2719)*
Auto-ignition temperature:	>200 °C*
Decomposition temperature:	Not specified
pH:	Not specified
Kinematic viscosity:	<7 mm ² /s (at 40 °C)*
Solubility:	Slightly soluble in water
Partition coefficient n-octanol/water (log value):	Not specified
Vapour pressure:	<1 hPa at 20 °C*
Density and/or relative density:	Density: 0.8 g/cm ³ at 15 °C*
Relative vapour density:	>3*
Particle characteristics:	Not specified

*The data refer to the ingredient: hydrocarbons C10-C13, n-alkanes, isoalkanes, cycloalkanes, 2 % aromatics [EC: 918-481-9].

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not specified.

9.2.2. Other safety characteristics

Not specified.



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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with strong oxidizing agents, strong acid, alkalis, halogens.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Keep away from heat, sparks, open flames, hot surfaces and direct sunlight.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents, strong acid, alkalis, halogens.

10.6. Hazardous decomposition products

None under normal conditions of use and storage.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity: Based on available data, the classification criteria are not met.

ATE_{mix} (oral) >2000 mg/kg b.w.

ATE_{mix} (dermal) >2000 mg/kg b.w.

ATE_{mix} (inhalation) >5 mg/l

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2 % aromatics

[EC: 918-481-9]

LD₅₀ (oral, rat) >5000 mg/kg b.w.

LD₅₀ (skin, rabbit) >5000 mg/kg b.w.

Formaldehyde [CAS: 50-00-0]

ATE (oral) 100 mg/kg b.w.

ATE (dermal) 300 mg/kg b.w.

ATE (inhalation vapour) 3 mg/l

ATE (inhalation aerosol) 0.5 mg/l

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

STOT - single exposure: Based on available data, the classification criteria are not met.

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

Aspiration hazard: Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Not specified.



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11.2.2. Other information

Inhalation: In case of working in high temperature, where high concentrations of vapors may appear, headaches, drowsiness, and nausea may occur.

Skin contact: May cause irritation or an allergic reaction in case of skin contact. Repeated exposure may cause skin dryness or cracking. Improper use can cause burns.

Eye contact: May cause eyes irritation.

Ingestion: Ingestion may cause severe lung damage. After swallowing gastrointestinal problems may occur.

SECTION 12: Ecological information

12.1. Toxicity

Does not meet the criteria of classification as dangerous for the environment.

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2 % aromatics

[EC: 918-481-9]

Acute toxicity to fish:

LC₅₀ (*Oncorhynchus mykiss*) >1000 mg/l/96 h

Acute toxicity to aquatic invertebrates:

EC₅₀ (*Daphnia magna*) >1000 mg/l/48 h

Acute toxicity to algae:

ErC₅₀ (*Pseudokirchneriella subcapitata*) >1000 mg/l/72 h

12.2. Persistence and degradability

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2 % aromatics

[EC: 918-481-9]

Easily biodegradable (value: 80 %, 28 days).

12.3. Bioaccumulative potential

Not specified.

12.4. Mobility in soil

Slightly soluble in water, not mobile in soil.

12.5. Results of PBT and vPvB assessment

Does not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation 1907/2006 (REACH).

12.6. Endocrine disrupting properties

Not applicable.

12.7. Other adverse effects

Not specified.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

During removal of waste comply with the regional/national laws.

Community legislation:

- Directive **2008/98/EC** of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

- European Parliament and Council Directive **94/62/EC** of 20 December 1994 on packaging and packaging waste as amended.

Disposal methods for the product: Do not introduce into the environment. Disposal in accordance with the local/national legislation. Contaminated packaging disposed of as hazardous waste.



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Disposal methods for used packing: Empty containers give for appropriate rubbish dump or for disposal in accordance with the local/national legislation. Dispose of uncleanable containers like of the product.

SECTION 14: Transport information

	ADR	RID	ADN	IMDG	ICAO TI
14.1. UN number or ID number	UN 2623				
14.2. UN proper shipping name	FIRELIGHTERS, SOLID with flammable liquid				
14.3. Transport hazard class(es)	4.1				
14.4. Packing group	III				
14.5. Environmental hazards	Does not meet the criteria of classification as dangerous for the environment.				
14.6. Special precautions for user	During cargo handling use personal protective equipment - see Section 8. Avoid sources of ignition.				
14.7. Maritime transport in bulk according to IMO instruments	Not specified				

SECTION 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Commission directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.



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Commission directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission directive (EU) 2017/164 of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Commission Directive (EU) 2019/1831 of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

15.2. Chemical safety assessment

The Chemical Safety Assessment has been performed.

SECTION 16: Other information

The full text of H-statements from Sections 2 and 3:

- H228 - Flammable solid.
- H301 - Toxic if swallowed.
- H304 - May be fatal if swallowed and enters airways.
- H311 - Toxic in contact with skin.
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H331 - Toxic if inhaled.
- H335 - May cause respiratory irritation.
- H341 - Suspected of causing genetic defects.
- H350 - May cause cancer.

Key to abbreviations and acronyms:

- Acute Tox. 3 - Acute toxicity (oral, dermal, inhal.), Hazard Category 3.
- Asp. Tox. 1 - Aspiration hazard, Hazard Category 1.
- ATE - Acute Toxicity Estimate.
- ATE_{mix} - Acute Toxicity Estimate for mixture.
- BLV - Biological Limit Value.
- Carc. 1B - Carcinogenicity, Hazard Category 1B.
- EC₅₀ - Half maximal effective concentration.
- ErC₅₀ - Reduction of growth rate.
- EUH066 - Repeated exposure may cause skin dryness or cracking.
- EUH208 - Contains May produce an allergic reaction.
- Eye Irrit. 2 - Serious eye damage/eye irritation, Hazard Category 2.
- LC₅₀ - Median lethal concentration.
- LD₅₀ - Median lethal dose.
- Muta. 2 - Germ cell mutagenicity, Hazard Category 2.
- Skin Corr. 1B - Skin corrosion/irritation, Hazard Category 1, Sub-Categories 1B.
- Skin Irrit. 2 - Skin corrosion/irritation, Hazard Category 2.
- Skin Sens. 1 - Sensitisation - Skin, hazard category 1.
- STEL - Short-Term Exposure Limit.



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STOT SE 3 - Specific target organ toxicity — Single exposure, Hazard Category 3, Respiratory tract irritation.

TWA - Time Weighted Average.

Sources of key data:

Manufacturer's safety data sheet from 15th November 2018.

Classification according to Regulation (EC) Nr. 1272/2008:

Flam. Sol. 1; H228

Classification procedure:

Physical - chemical properties, classification of the manufacturer

Training advice: Before use read the SDS.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are also treated as aid to safety in transport, storage and usage of the product. This does not free the user from the responsibility of improper usage of the information above also of improper compliance with the law norms in the field.

Prepared by ISOTOP s.c. Consulting Company; www.isotop.pl; e-mail: reach@isotop.pl

SDS from 01.03.2019 (Version 2) has been revised in sections 1.3, 2.1, 2.3, 3.2, 8.1, 8.2, 9.1, 9.2.1, 9.2.2, 11.1, 11.2, 11.2.1, 11.2.2, 12.6, 12.7, 14, 15.1. Changes have been underlined.

This SDS replaces and annuls all the previous versions.

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