

FirelighterVersion number: 2.0
Replaces version of:

Revision: 2025-04-02

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name **Firelighter (<450 l)****1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses Consumer uses

1.3 Details of the supplier of the safety data sheetDutch-Flame Production & Trading B.V.
Productieweg 1
3899 AK Zeewolde
NetherlandsTelephone: +31 36 5223104
e-mail: sales@dutch-flame.com

e-mail (competent person)

sales@dutch-flame.com (Afdeling Productveiligheid Dutch-Flame
Production & Trading B.V.)**1.4 Emergency telephone number**

Emergency information service

+31 36 5223104
This number is only available during the following office hours: Mon-
Fri 09:00 - 17:00**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

2.2 Label elements

Labelling acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

Not required.

2.3 Other hazards

Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.**SECTION 3: Composition/information on ingredients****3.1 Substances**

Not relevant (mixture).

3.2 Mixtures

The product does not contain (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the product and hence require reporting in this section.

This product does not meet the criteria for classification in any hazard class according to GHS.

SECTION 4: First aid measures**4.1 Description of first aid measures**

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. In case of unconsciousness place person in the recovery position. Never give anything by mouth. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice.

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Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician.

Following skin contact

Brush off loose particles from skin. Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Following eye contact

Do not rub the eyes. Mechanical stress can cause damage to the cornea. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

None.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing media

Water mist; Fire extinguishing powder; Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

No data available.

Hazardous combustion products

During fire hazardous fumes/smoke could be produced: carbon monoxide (CO), carbon dioxide (CO₂).

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (SCBA). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel

Remove persons to safety. Ventilate affected area. Control of dust. Keep away from sources of ignition - No smoking.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

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6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

Recommendations

- measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- flammability hazards

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharge.

- incompatible substances or mixtures

Keep/store away from combustible materials.

Control of effects

Protect against external exposure, such as

Heat, high temperatures, static discharges.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

- ventilation requirements

Use local and general ventilation.

- packaging compatibilities

Only packagings which are approved (e.g. acc. to the Dangerous Goods Regulations) may be used.

7.3 Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****Relevant DNELs/DMELs/PNECs and other threshold levels**

No data available.

8.2 Exposure controls

Appropriate engineering controls

General ventilation. Provide eyewash stations and safety showers at the workplace.

Individual protection measures (personal protective equipment)

General safety precautions.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Do not breathe dust/fume/gas/mist/vapours/spray.

Environmental exposure controls

Take appropriate precautions to avoid uncontrolled release into the environment. Keep away from drains, surface and ground water.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	solid
Colour	brown
Odour	characteristic

Other safety parameters

pH (value)	not applicable
Melting point/freezing point	49 °C calculated value, referring to a component of the mixture
Initial boiling point and boiling range	not determined
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	non-combustible
Vapour pressure	<0.01 kPa at 20 °C
Density	840 g/cm ³ at 15 °C (DIN 51757)
Vapour density	this information is not available
Relative density	information on this property is not available

Solubility

- water solubility	miscible in any proportion
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- n-octanol/water (log KOW)	this information is not available
Auto-ignition temperature	not relevant
Decomposition temperature	no data available

Viscosity

not relevant (solid matter)

- kinematic viscosity	not relevant
Explosive properties	none
Oxidising properties	none

Flammable solids

hazard classes acc. to GHS (physical hazards):

not classified (Transport of Dangerous Goods, Manual of Tests and Criteria; Method N.1)

- burning time

>45 s over 100 mm

Self-heating substances and mixtures

not classified (Transport of Dangerous Goods, Manual of Tests and Criteria; Method N.4)

- cube sample (100 mm at 100 °C)

negative

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- cube sample (100 mm at 140 °C) positive

- cube sample (25 mm at 140 °C)	negative
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- packaging <450 l

9.2 Other information

Miscibility	Completely miscible with water.
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SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from open flames and hot surfaces. No smoking.

Hints to prevent fire or explosion

Take precautionary measures against static discharges.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

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Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.**SECTION 12: Ecological information****12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability

Not readily biodegradable.

12.3 Bioaccumulative potential

Data are not available.

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessmentDoes not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.**12.6 Endocrine disrupting properties**Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.**12.7 Other adverse effects**

Data are not available.

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

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Only packagings which are approved (e.g. acc. to DOT) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information**14.1 UN number**

not subject to transport regulations

14.2 UN proper shipping name

not relevant

14.3 Transport hazard class(es)

none

14.4 Packing group

not assigned

14.5 Environmental hazards

non-environmentally hazardous acc. to the dangerous goods regulations

14.6 Special precautions for user

There is no additional information.

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14.7 Transport in bulk according to IMO instruments

No data available.

Additional information for each of the UN Model Regulations**Transport of dangerous goods by road or rail (49 CFR US DOT) - additional information**

Not subject to transport regulations.

International Maritime Dangerous Goods Code (IMDG) - additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations (United States)****Toxic Substance Control Act (TSCA)**

all ingredients are listed (ACTIVE)

Superfund Amendment and Reauthorization Act (SARA TITLE III)

- The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304)

None of the ingredients are listed.

- Specific Toxic Chemical Listings (EPCRA Section 313)

None of the ingredients are listed.

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

- List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4)

None of the ingredients are listed.

Clean Air Act

None of the ingredients are listed.

Right to Know Hazardous Substance List

- Cleaning Product Right to Know Act Substance List (CA-RTK)

None of the ingredients are listed.

- Toxic or Hazardous Substance List (MA-TURA)

None of the ingredients are listed.

- Hazardous Substances List (MN-ERTK)

None of the ingredients are listed.

- Hazardous Substance List (NJ-RTK)

None of the ingredients are listed.

- Hazardous Substance List (Chapter 323) (PA-RTK)

None of the ingredients are listed.

- Hazardous Substance List (RI-RTK)

None of the ingredients are listed.

California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1986

None of the ingredients are listed.

Industry or sector specific available guidance(s)**NPCA-HMIS® III**

Hazardous Materials Identification System. American Coatings Association.

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Category	Rating	Description
Chronic	/	none
Health	0	no significant risk to health
Flammability	0	material that will not burn under typical fire conditions
Physical hazard	0	material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive
Personal protection	-	

NFPA® 704

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States).

Category	Degree of hazard	Description
Flammability	0	material that will not burn under typical fire conditions
Health	0	material that, under emergency conditions, would offer no hazard beyond that of ordinary combustible material
Instability	0	material that is normally stable, even under fire conditions
Special hazard		

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)
1.2	Relevant identified uses: Consumer use	Relevant identified uses: Consumer uses
1.3	Details of the supplier of the safety data sheet: Dutch-Flame Production & Trading B.V. Productieweg 1 3899 AK Zeewolde Netherlands Telephone: +31 36 5223104 Telefax: +31 36 5222031 e-mail: sales@dutch-flame.com	Details of the supplier of the safety data sheet: Dutch-Flame Production & Trading B.V. Productieweg 1 3899 AK Zeewolde Netherlands Telephone: +31 36 5223104 e-mail: sales@dutch-flame.com
2.3	Other hazards: There is no additional information.	Other hazards
2.3	Results of PBT and vPvB assessment: Does not contain any substances that are assessed to be PBT or vPvB $\geq 0.1\%$.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.
2.3	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.
7.1	Specific notes/details: Dust deposits may accumulate on all deposition surfaces in a technical room.	
7.3	Specific end use(s): There is no additional information.	Specific end use(s): See section 1.2.
8.1	National limit values	
8.1		Occupational exposure limit values (Workplace Exposure Limits):

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Section	Former entry (text/value)	Actual entry (text/value)
		change in the listing (table)
9.1	Particle: no data available	
9.1	Melting point/freezing point: not determined	Melting point/freezing point: 49 °C calculated value, referring to a component of the mixture
9.2	Other information: There is no additional information.	Other information
11.2	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.
12.5	Results of PBT and vPvB assessment: Does not contain any substances that are assessed to be PBT or vPvB $\geq 0.1\%$.	Results of PBT and vPvB assessment: Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.
12.6	Endocrine disrupting properties: Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.	Endocrine disrupting properties: Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.
15.1		Superfund Amendment and Reauthorization Act (SARA TITLE III)
15.1		The List of Extremely Hazardous Substances and Their Threshold Planning Quantities (EPCRA Section 302, 304): None of the ingredients are listed.
15.1		Specific Toxic Chemical Listings (EPCRA Section 313): None of the ingredients are listed.
15.1		Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)
15.1		List of Hazardous Substances and Reportable Quantities (CERCLA section 102a) (40 CFR 302.4): None of the ingredients are listed.
15.1		Clean Air Act: None of the ingredients are listed.
15.1		Right to Know Hazardous Substance List
15.1		Cleaning Product Right to Know Act Substance List (CA-RTK): None of the ingredients are listed.
15.1		Toxic or Hazardous Substance List (MA-TURA): None of the ingredients are listed.
15.1		Hazardous Substances List (MN-ERTK): None of the ingredients are listed.
15.1		Hazardous Substance List (NJ-RTK): None of the ingredients are listed.
15.1		Hazardous Substance List (Chapter 323) (PA-RTK): None of the ingredients are listed.
15.1		Hazardous Substance List (RI-RTK): None of the ingredients are listed.
15.1		California Environmental Protection Agency (Cal/EPA): Proposition 65 - Safe Drinking Water and Toxic Enforcement Act of 1986: None of the ingredients are listed.
16		Abbreviations and acronyms: change in the listing (table)

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Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
49 CFR US DOT	49 CFR U.S. Department of Transportation
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
DOT	Department of Transportation (USA)
ED	Endocrine disruptor
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200.

Transport of dangerous goods by road or rail (49 CFR US DOT). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.