Safety data sheet

According to (EC) no. 1907/2006

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

1.1 Product identifier:
Burner FireFlamen.

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

1.3 Details of the supplier of the safety data sheet:

Company:	Burner International A/S Vallensbækvej 40 DK-2605 Brøndby	Tlf. +45 36 70 69 36
Contact:	Info@burner-international.com	
1.4 Emergency telephone number:	(DK) Telephone +45 82 12 12 12 (UK) E-mail: UKREACHCA@hse.gsi.gov.uk NHS (England or Wales): 0845 46 47 NHS 24 (Scotland): 08454 24 24 24	
Date:	30.03.2015	

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

The product is classified:
EF (67/548 or 1999/45) None
CLP* (1272/2008) None

Solid with possible long-term effects.

CLP*: Regulation (EC) No 1272/2008 of The European Parliament and of the Council.

2.2 Label elements:

EUH210: Safety data sheet available on request.
P102: Keep out of reach of children.

2.3 **Other hazards**:
PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

SECTION 3: Composition/information on ingredients

3.1 Mixtures: Mixture with water, < 0.1 % formaldehyde, < 0.1 % dodecan-1-ol and below mentioned declarable substances:

Substance name	CAS-no.	EC-no.	Index-no.	% w/w	REACH reg.-no.	Classification
Naphtha (petroleum), hydrotreated heavy (<0,1% Benzene)	64742-48-9	265-150-3	649-327-00-6	~80	01-2119457273-39	**EU**: Xn;R65 R66 **CLP**: Asp. Tox. 1;H304 EUH066
(2-hydroxyethyl)-ammonium dodecylsulfate	4722-98-9	225-214-3	-	< 0.1	-	**EU**: Xi;R35/38 **CLP**: Skin Irrit. 2;H315 Eye Irrit. 2;H319

Wording of Risk and hazard statements - see section 16.

SECTION 4: First-aid measures

4.1 Description of first aid measures:

Inhalation:
Move the affected person to fresh air. Keep at rest. If symptoms persist: Seek medical advice.

Skin contact:
Remove all contaminated clothing. Wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact:
Flush with water or physiological salt water, holding eye lids open; remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion:
Rinse mouth and drink plenty of water. In case of discomfort: seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed:
May cause irritation of eyes and lungs. Repeated exposure may cause skin dryness or cracking.
Organic solvents may cause damage to liver, kidneys and/or central nervous system (brain damage).

4.3 Indication of any immediate medical attention and special treatment needed:
Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:
Use water fog, carbon dioxide, dry chemical or foam.

5.2. Special hazards arising from the substance or mixture:
Do not breathe smoke fumes. Remove containers if possible or keep containers cool by spraying with water.
In case of fire, the substance may form hazardous decomposition products: Primarily oxides of carbon.

5.3. Advice for firefighters:
Wear self-contained breathing apparatus when generation of smoke is vigorous.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:
Use personal protective equipment when spill is wiped up – see section 8.

6.2. Environmental precautions:
Do not empty into drains – see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:
Collect and dispose of in accordance with local regulations or burn under controlled conditions. Clean area with water.
Further handling of spillage - see section 13.

6.4. Reference to other sections:
See references above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:
Avoid breathing vapours. Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Take off immediately all contaminated clothing. Wash contaminated skin with water and mild soap.

7.2. Conditions for safe storage, including any incompatibilities:
Store in a tightly closed container and a well-ventilated area at approximately 20°C.

7.3. Specific end use(s):
See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:
Occupational exposure limits: None.
DNEL/PNEC: No CSR.

8.2. Exposure controls:
Appropriate engineering controls: well-ventilated working area.

Personal protective equipment:
Inhalation:
Normally not required. In case of in-adequate ventilated working areas, use an approved mask (EN140) with a gas/particle filter: A2P2. The filter has a limited lifetime and must be changed. Read the instruction.

Skin:
Wear protective gloves (EN374) of nitrile rubber (> 0.3 mm). It has not been possible to find data for breakthrough time. In case of spill on the glove it is recommended to change it after use.

Eyes:
Wear tight fitting safety goggles (EN166) when there is risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:
Appearance: White solid
Vapour density (air=1): -

SECTION 9: Physical and chemical properties

Odour: Unknown	Relative density: -
Odour threshold: -	Solubility(in water): Insoluble
pH (concentrate): -	Partition coefficient: n-octanol/water, Log K_{ow}: -
Melting point / freezing point (°C): -	Auto-ignition temperature (°C):-
Initial boiling point and boiling range (°C): -	Decomposition temperature (°C): -
Flash point (°C): -	Viscosity (40°C): -
Evaporation rate: -	Explosive properties: -
Flammability (solid, gas): -	Oxidising properties: -
Upper/lower flammability or explosive limits (vol-%):-	Vapour pressure (kPa, 20°C):-

9.2. Other information: The product is delivered and use wrapped in PE/PET film

-: Not determined or not relevant

SECTION 10: Stability and reactivity

10.1. Reactivity:
None expected.

10.2. Chemical stability:
Stable under normal conditions (see section 7).

10.3. Possibility of hazardous reactions:
None known.

10.4. Conditions to avoid:
None known.

10.5. Incompatible materials:
None known.

10.6. Hazardous decomposition products:
In case of extensive heating the mixture may form hazardous decomposition product such as oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	**Data** (CAS 64742-48-9)	**Test**	**Data source**
Acute toxicity: Inhalation Dermal Oral	 LC50 (rat) > 4,96 mg/l/4h LD50 (rabbit) > 2000 mg/kg LD50 (rat) > 5000 mg/kg	 OECD 403 OECD 402 OECD 401	 ECHA diss. ECHA diss. ECHA diss.
Corrosion/irritation:	Moderate skin irritation, rabbit No eye irritation, rabbit	OECD 404 OECD 405	ECHA diss. ECHA diss.
Sensitization:	No sensibilisation, skin, guinea pig	OECD 406	ECHA diss.
CMR:	No evidence of carcinogenic effect, dermal, mouse No mutagenic effect, In vivo, rat No reproductive- or fetus toxicity, inhalation, rat	OECD 451 OECD 475 OECD 416/414	ECHA diss. ECHA diss. ECHA diss.

Information on likely routes of exposure: Inhalation, skin and ingestion.

Symptoms:

Inhalation:
May cause irritation to the airways. Inhalation of larger amounts may cause discomfort, nausea, headache and dizziness.

SECTION 11: Toxicological information

Skin:
May cause skin irritation and cause dryness or cracking by prolonged contact with skin.

Eyes:
May cause irritation with redness.

Ingestion:
May cause irritation of the gastrointestinal tract with nausea, vomiting and discomfort.

Chronic effects:
Prolonged or frequent exposure to vapours of volatile organic compounds may result in damage on liver, kidneys, blood or central nervous system (including brain damage). Repeated exposure may cause skin dryness or cracking.

SECTION 12: Ecological information

12.1 Toxicity:

Aquatic	**Data** (CAS 64742-48-9)	**Test (Media)**	**Data source**
Fish	LC50 (Oncorhynchus mykiss, 96 h) = 8.41 mg/l	OECD 203 (FW)	ECHA diss.
Daphnia	EL50 (Daphnia magna, 48 h) = 4.7 mg/l	OECD 202 (FW)	ECHA diss.
Algea	EL50 (Pseudokirchnerella subcapitata, 72 h) = 12.4	OECD 201 (FW)	ECHA diss.

12.2. Persistence and degradability:
Naphtha (petroleum), hydrotreated heavy is readily biodegradable (OECD 301F).

12.3. Bioaccumulative potential:
Naphtha (petroleum), hydrotreated heavy: Log Kow >3 – moderate to significant bio accumulative effect.

12.4. Mobility in soil:
Naphtha (petroleum), hydrotreated heavy Substance evaporates easily and quickly disintegrates in the air.
K_{oc} (Naphtha (petroleum), hydrotreated heavy): 60-229 (Moderate to large mobility in soil is expected).

12.5. Results of PBT and vPvB assessment:
No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

12.6. Other adverse effects:
No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:
The chemical is to be considered as hazardous waste. Comply with national and local regulations.

EWC-code:
14 06 05 (mixture itself) and 15 02 02 (Paper towel, inert material etc. contaminated with the mixture).

SECTION 14: Transport information

Not dangerous goods according to ADR/RID.

14.1. UN-no.: -

14.2. UN proper shipping name: -

14.3. Transport hazard class(es): -

14.4. Packing group: -

14.5. Environmental hazards: None

14.6. Special precautions for user: None

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: -

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Must not be used by persons under 18 years of age.

15.2. Chemical Safety Assessment:

SECTION 15: Regulatory information

No CSR.

SECTION 16: Other information

Hazard statements mentioned in section 2 and 3:
R 35/38: Irritating to eyes and skin..
R 65: Harmful: may cause lung damage if swallowed.
R 66: Repeated exposure may cause skin dryness or cracking.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
EUH066: Repeated exposure may cause skin dryness or cracking.

Abbreviations:
CMR = Carcinogenicity, mutagenicity and reproductive toxicity.
CSR = Chemical Safety Report
DNEL = Derived No-Effect Level
EC50 = Effect Concentration 50%
EL50 = Effect Loading 50%
FW = Fresh Water
LC50 = Lethal Concentration 50%
LD50 = Lethal Dose 50%
LL50 = Lethal Loading 50%
PBT = Persistent, Bioaccumulative, Toxic
PNEC = Predicted No-Effect Concentration
vPvB = very Persistent, very Bioaccumulative

Literature:
ECHA diss. = European Chemical Agency Registration dossier

Training advice:
No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:
Not relevans – 1st edition.

Other information:
The product is a solid and therefore classification with Xn;R65/Asp. Tox. 1;H304 isn't relevant.
Prepared from the information that was available to Eurofins Product Testing A/S 06.1.2015.

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