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

1.1. Product identifier
   Trade name: FP-SMOKE

1.2. Relevant identified uses of the substance or mixture and uses advised against
   Identified uses: None

1.3. Details of the supplier of the safety data sheet
   Company: BJÖRNAX AB
   Ringshyttan, Gruvstugan 729
   71393 Nora
   Sweden
   Telephone: +46 581 43150
   E-mail: info@bjornax.se

1.4. Emergency telephone number
   Acute cases: Call 112, request poison information.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
   Upon assessment, this mixture is not classified as hazardous according to 1272/2008

2.2. Label elements
   Hazard pictogram: Not applicable
   Signal word: Not applicable
   Hazard statement: Not applicable

2.3. Other hazards
   Not indicated.

SECTION 3: Composition/information on ingredients

3.2. Mixtures
   Note that the table shows known hazards of the ingredients in pure form. These hazards are reduced or eliminated when mixed or diluted, see Section 16d.

<table>
<thead>
<tr>
<th>Constituent</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>SILOXANES AND SILICONES, DI-ME, REACTION PRODUCTS WITH SILICA</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 67762-90-7</td>
<td></td>
<td>10 - 30 %</td>
</tr>
<tr>
<td>LIMESTONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAS No: 1317-65-3</td>
<td></td>
<td>70 - 90 %</td>
</tr>
<tr>
<td>EC No: 215-279-6</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanations to the classification and labelling of the ingredients are given in Section 16e. Official abbreviations are printed in normal font. Text in italics are specifications and/or complements used in the calculation of the classification of this mixture, see Section 16b.

SECTION 4: First aid measures

4.1. Description of first aid measures
   Upon breathing in
   Allow the injured person to rest in a warm place with fresh air, if symptoms persist seek medical attention.

   Upon eye contact
   Rinse eyes with plenty of water. If symptoms persist, seek medical advice.
   If dust has come in contact with eyes, do not rub.

   Upon skin contact
Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

**Upon ingestion**
Rinse mouth out thoroughly first with water, then SPIT OUT the rinse water. Drink at least half a litre of water and seek medical advice. DO NOT INDUCE VOMITING.

4.2. **Most important symptoms and effects, both acute and delayed**
No further relevant information available.

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

SECTION 5: Fire-fighting measures

5.1. **Extinguishing media**
Extinguish with materials intended for the surrounding fire.

5.2. **Special hazards arising from the substance or mixture**
The product is not hazardous in the flammable sense.
The product does not oxidise.

5.3. **Advice for fire-fighters**
In case of fire use a respirator mask.

SECTION 6: Accidental release measures

6.1. **Personal precautions, protective equipment and emergency procedures**
Use suitable allergy-tested protective gloves when cleaning up.
In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).
Dust filter IIB (P2) may be required when cleaning up.
Do not inhale the product and avoid exposure to skin and eyes.

6.2. **Environmental precautions**
Avoid emissions into soil, water or air.
At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

6.3. **Methods and material for containment and cleaning up**
Carefully collect the material for combustion waste disposal, then wash the spillage area with water.
Avoid stirring the material up so that it aerates.

6.4. **Reference to other sections**
Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**
Keep out of reach of children and pets.
Store this product separately from food items and keep it out of the reach of children and pets.
Handle in premises which have modern ventilation standards.
Do not eat, drink or smoke in premises where this product is stored.

7.2. **Conditions for safe storage, including any incompatibilities**
Store in a well-ventilated area, not above eye-level.
Store only in the original package.
Do not store above normal room temperature.

7.3. **Specific end uses**
Not relevant.

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**
8.1.1. **National limit values**
**DUST, RESPIRABLE**
Time-weighted-average exposure limit (TWA) 4 mg/m³
**DNEL**
No data available.
**PNEC**
No data available.

8.2. **Exposure controls**
In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.
8.2.1. Appropriate engineering controls
Maintenance and service of personal protective equipment shall be included in the works plan for internal supervision. All inspections and remedial measures shall be documented.

Eye/face protection
Use protective glasses, safety goggles, or a visor.

Skin protection
Normal working-clothes of cotton or synthetic material should be adequate. Clothing contaminated with this product should be washed immediately; avoid contact with the skin.
Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g. mechanical risks, temperature conditions or microbiological risks. Very sensitive persons can use gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here.

Respiratory protection
Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.
Dust filter IIIb (P2) may be required.

8.2.3. Environmental exposure controls
For limitation of environmental exposure, see Section 12.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
- b) Odour Not indicated
- c) Odour threshold Not applicable
- d) pH Not indicated
- e) Melting point/freezing point Not indicated
- f) Initial boiling point and boiling range Not indicated
- g) Flash point Not indicated
- h) Evaporation rate Not indicated
- i) Flammability (solid, gas) Not applicable
- j) Upper/lower flammability or explosive limits Not indicated
- k) Vapour pressure Not indicated
- l) Vapour density Not indicated
- m) Relative density ≈2 g/cm³
- n) Solubility Solubility in water: Insoluble(<0.001%)
- o) Partition coefficient: n-octanol/water Not applicable
- p) Auto-ignition temperature Not indicated
- q) Decomposition temperature Not indicated
- r) Viscosity Not indicated
- s) Explosive properties Not applicable
- t) Oxidising properties Not applicable

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
The product contains no substances which can lead to hazardous reactions at normal use.

10.2. Chemical stability
The product is stable at normal storage and handling conditions.

10.3. Possibility of hazardous reactions
No hazardous reactions known.

10.4. Conditions to avoid
Not indicated.

10.5. Incompatible materials
Not indicated.

10.6. Hazardous decomposition products
None under normal conditions.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
The product is not classified as toxic.

Acute toxicity
Not classified as an acutely toxic substance.
The product is not classified as harmful to health.

LIMESTONE
LD50 rat 24h: > 5000 mg/kg Orally

Skin corrosion/irritation
The product is not corrosive. Minor irritation may arise.

Serious eye damage/irritation
Eye contact may cause burning pain or irritation.

Respiratory or skin sensitisation
The criteria for classification cannot be considered fulfilled based on available data.

Germ cell mutagenicity
The criteria for classification cannot be considered fulfilled based on available data.

Carcinogenicity
The criteria for classification cannot be considered fulfilled based on available data.

Reproductive toxicity
The criteria for classification cannot be considered fulfilled based on available data.

STOT-single exposure
The criteria for classification cannot be considered fulfilled based on available data.

STOT-repeated exposure
The criteria for classification cannot be considered fulfilled based on available data.

Aspiration hazard
The criteria for classification cannot be considered fulfilled based on available data.

SECTION 12: Ecological information

12.1. Toxicity
Not indicated.

12.2. Persistence and degradability
The product degrades in the natural environment.

12.3. Bioaccumulative potential
Neither this product, nor its contents, accumulates in nature.

12.4. Mobility in soil
No information about mobility in the nature exists but there is no reason to suppose the product to be ecologically harmful because of this.

12.5. Results of PBT and vPvB assessment
No chemical safety report has been executed.

12.6. Other adverse effects
No known effects or hazards.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Waste handling of the product
The product is not classified as hazardous waste.
This product is not usually recycled.
Combustion is a suitable method for final disposal of this waste product.
Also take local regulations for dealing with waste into account.

SECTION 14: Transport information

Where not otherwise stated the information applies to all of the UN Model Regulations, i.e. ADR (road), RID (railway), ADN (inland waterways), IMDG (sea), and ICAO (IATA) (air).

14.1. UN number
Not classified as dangerous goods

14.2. UN proper shipping name
Not applicable

14.3. Transport hazard class(es)
Not applicable

14.4. Packing group
Not applicable
14.5. Environmental hazards
Not applicable
14.6. Special precautions for user
Not applicable
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable
14.8 Other transport information
Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Not indicated.
15.2. Chemical safety assessment
Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

SECTION 16: Other information

16a. Indication of where changes have been made to the previous version of the safety data sheet
Revisions of this document
Earlier versions
2012-06-01 Revisions of this document have, where not otherwise stated, been caused by changes in the regulations

16b. Legend to abbreviations and acronyms used in the safety data sheet
Explanations of the abbreviations in Section 14
ADR European Agreement concerning the International Transport of Dangerous Goods by Road
RID Regulations concerning the International Transport of Dangerous Goods by Rail
IMDG International Maritime Dangerous Goods Code
ICAO International Civil Aviation Organization (ICAO, 999 University Street, Montreal, Quebec H3C 5H7, Canada)
IATA The International Air Transport Association

16c. Key literature references and sources for data
Sources for data
Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2016-12-21.
Where such data was not available, alternative documentation used to establish the official classification was used, e.g. IUCLID (International Uniform Chemical Information Database). As a second alternative, information was used from reputable international chemical industries, and as a third alternative other available information was used, e.g. material safety data sheets from other suppliers or information from non-profit associations, where reliability of the source was assessed by expert opinion. If, in spite of this, reliable information could not be sourced, the hazards were assessed by expert opinions based on the known hazards of similar substances, and according to the principles in 1907/2006 and 1272/2008.

Full texts for Regulations mentioned in this Safety Data Sheet
89/391 COUNCIL DIRECTIVE (89/391/EEC of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work

16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification
Hazard calculation for this mixture has been performed as a cumulative assessment with the aid of expert assessments in accordance with 1272/2008 Annex I, where all available information which may be significant to establishing the hazards of the mixture was assessed together, and in accordance with 1907/2006 Annex XI.
16e. List of relevant hazard statements and/or precautionary statements

16f. Advice on any training appropriate for workers to ensure protection of human health and the environment

Warning for misuse
This product can cause injuries if not used properly. The manufacturer, the distributor or the supplier are not responsible for adverse effects if the product is not handled in accordance with its intended use.

Other relevant information