

# SAFETY DATA SHEET

In accordance with 1907/2006 Annex II (2015/830) and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Issued 01 / 01 / 2026  
Replaces issued SDS 2015-08-26  
Version number 4.0



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

### 1.1. Product identifier

Trade name SMOKE PEN, REFILL

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

Identified uses: None detected

### 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.

Constituent	Classification	Concentration
<b>COTTON</b>		
		80 - 100 %
<b>STEARIC ACID</b>		
CAS No: 57-11-4 EC No: 200-313-4		6 - 10 %

Eye contact with chemicals from the product in normal use is not appropriate. For generated smoke: If symptoms occur, Flush with lukewarm water with the eye or eyes wide open. If symptoms persist, consult a doctor. In the case of a broken or tampered product, the procedure for the constituent chemicals is as follows: Flush immediately with lukewarm water for 15 - 20 min with the eye or eyes wide open. If symptoms persist, consult a doctor.

**Upon skin contact**

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

**Upon ingestion**

No special measures should be necessary: to be on the safe side, induce vomiting and contact a physician.

**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 water.

**5.2. Special hazards arising from the substance or mixture**

Combustible solid.

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

**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**

No special equipment is deemed necessary.

**6.2. Environmental precautions**

No specific measures need to be taken in the event of normal use.

**6.3. Methods and material for containment and cleaning up**

Collect.

**6.4. Reference to other sections**

See also section 7 and 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

No specific action is required.

**7.2. Conditions for safe storage, including any incompatibilities**

Store only in the original package.

Store in a dry place not 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**

All ingredients (cf. Section 3) lack occupational exposure limit values.

**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**

Not relevant.

### **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.

### **Respiratory protection**

Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.

Dust filter IIb (P2) may be required.

### **8.2.3. Environmental exposure controls**

No specific measures needed.

## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

a) Appearance	Colour: beige.
b) Odour	odourless or almost odourless
c) Odour threshold	Not indicated
d) pH	Not indicated
e) Melting point/freezing point	Not indicated
f) Initial boiling point and boiling range	Not indicated
g) Flash point	>165 °C
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	Not indicated
n) Solubility	Solubility in water: Insoluble
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**

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

### **STEARIC ACID**

LD50 rat 24h: > 5000 mg/kg Orally

### **Skin corrosion/irritation**

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

**Serious eye damage/irritation**

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

**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

No ecological damage is known or expected in the event of normal use.

### 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

This product degrades rapidly but large emission within a short period of time may be harmful to the local environment.

## 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

2015-08-26 Revisions of this document has, 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 2017-05-12.

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

1907/2006 Annex II (2015/830) COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

1272/2008 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

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

1907/2006 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

### 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 is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.

#### Other relevant information

#### Editorial information

This material safety data sheet has been prepared and checked by KemRisk®, KemRisk Sweden AB, Platensgatan 8, SE-582 20 Linköping, Sweden, [www.kemrisk.se](http://www.kemrisk.se)



Australian Importers & Distributors



**FIRE  
SYSTEM  
SERVICES**

Fire System Services Pty Ltd  
ABN: 47 635 264 476  
P: PO Box 16, Prospect SA 5082  
FC: 1300 88 3473 | F: 08 8445 6333  
E: [info@firesys.com.au](mailto:info@firesys.com.au) | W: [www.firesys.com.au](http://www.firesys.com.au)