

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 1/12

Product name:

FIREGEL heating paste

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

1.1. Product identifier

Product identifier: **FIREGEL heating paste**
Other names, synonyms: Not known
Substance / mixture: Mixture
Registration number REACH: Not applied for the mixture

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

Identified uses: For gastronomy. For firing solid fuels, wood, charcoal, fondue and table grills, filling in special torches and fireplaces. Intended for sale to consumers.
Unadvisable uses: Not known.

1.3. Details of the supplier of the safety data sheet

Name or trade name: **Fokus plamen d.o.o.**
Registered office/place of business: Bilje 31e, 5292 Rence
Slovenia
Identification no.: SI23975709
Telephone: +39 340 381 4972
E-mail: fokus.plamen@gmail.com

Name or trade name of the **competent person**
responsible for the Safety Data Sheet elaboration: **DEKRA CZ a.s.**
Safety advisors
Registered office/place of business: Tuřanka 1222/115, budova D, 627 00 Brno
Czech Republic
Telephone/fax: +420 545 218 716, 545 218 707
E-mail: ekoline@ekoline.cz

1.4. Emergency telephone number

112 (24 hour service) – applicable to EU countries only.

Czech Republic: +420 – 224 91 92 93; 224 91 54 02 (24hour service)

Klinika nemocí z povolání – Toxikologické informační středisko, Na Bojišti 1, 128 08 Praha 2, CZ

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to EC 1272/2008

The mixture is classified as hazardous within the meaning of Regulation (EC) no. 1272/2008.

Flam. Liq. 2; H225

Eye Irrit. 2; H319


The most important adverse physicochemical, human health and environmental effects

Causes serious eye irritation. Highly flammable liquid and vapour.

The full texts of all classifications, standard phrases regarding dangerous properties are given in Section 16.

2.2. Label elements

Labelling according to EC 1272/2008

Product identifier/trade name:	FIREGEL heating paste
Chemical name of the dangerous substances:	-
Danger symbol(s) and identification of danger:	

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 2/12

Product name:

FIREGEL heating paste

Signal Word:	Danger
Hazard Statement:	H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary Statement:	P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking P233 Keep container tightly closed. P280 Wear protective gloves/eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/attention. P501 Dispose of contents/container by handing it to a collection of hazardous waste. Do not throw into the fire – risk of explosion! Only empty container dispose to waste collection.
Supplemental information on the label:	EUH208 Contains 2-[(1-methylpropyl)amino]ethanol. May produce an allergic reaction.

For more information, see Section 16.

Where mixture is supplied to the general public, the packaging shall be fitted with a tactile warning of danger.

2.3. Other hazards

Does not contain PBT or vPvB substances. To the date of the MSDS elaboration, the substances contained are not included in the candidate list (list of SVHC substances) for inclusion in Annex XIV to REACH Regulation.

SECTION 3: Composition/information on ingredients

3.1. Substances

The product is a mixture of substances.

3.2. Mixtures

Substance identifier/ Registration number	Concentration / concentration ranges (wt. %)	Index No. CAS No. EC No.	Classification according to EC 1272/2008
Ethanol 01-2119457610-43-xxxx	> 70	603-002-00-2 64-17-5 200-578-6	Flam. Liq. 2; H225 Eye Irrit. 2; H319
SCL: Eye Irrit 2: c > 50 %			
Isopropanol 01-2119457558-25-xxxx	< 3	603-117-00-0 67-63-0 200-661-7	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Ethyl methyl ketone 01-2119457290-43-xxxx	< 3	606-002-00-3 78-93-3 201-159-0	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (EUH066)
2-[(1-methylpropyl)amino]ethanol 01-2119958378-21-0000	≤ 0,5	- 35265-04-4 252-471-9	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1; H317 Acute Tox. 2; H330 STOT SE 3; H335 Aquatic Chronic 2; H411

Full text of each relevant hazard statement described in Section 16.

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 3/12

Product name:

FIREGEL heating paste

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of health problems consult a doctor. Provide data from this safety data sheet or label. Follow the usual rules and measures for handling chemicals. Observe hygiene precautions.

<i>Inhalation:</i>	Discontinue the exposure. Provide fresh air. Keep victim warm and quiet. Get medical attention.
<i>Skin contact:</i>	Remove and wash contaminated clothing before reuse. Rinse skin immediately with plenty of water and soap. Use cream. Get medical attention if irritation occurs.
<i>Eye contact:</i>	Rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
<i>Ingestion:</i>	Drink 1 – 2 dl of water. Thoroughly rinse the mouth with water. Do not induce vomiting. Get medical attention.

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

Irritating effects, respiratory paralysis, dermatitis, dizziness, narcosis, nausea, euphoria, nausea, vomiting

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon Dioxide (CO₂), extinguishing powder, extinguishing foam

Unsuitable extinguishing media: water jet

5.2. Special hazards arising from the substance or mixture

Vapors may form explosive mixtures with air. Incomplete combustion products may include carbon oxides. Cool containers exposed to fire with water spray. Do not inhale smoke.

5.3. Advice for firefighters

Protective clothing (EN 469, EN 659+A1, EN 443)) and self-contained breathing apparatus (EN 137) should be used. Do not enter fire area without adequate protective clothing and self contained breathing machines. If possible, remove material from the fire area. Isolate fire and prevent unauthorized access.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Avoid inhalation of vapors. Avoid contact with eyes and skin. Use personal protective equipment as described in subsection 8.2.

For emergency responders

Respect safety rules. Identify and isolate the spill site. Prevent unauthorized access. Avoid direct contact of the product with eyes and skin. Do not inhale vapors and fumes released from overheated product. Evacuate the accident all persons who are not participating in rescue operations. Staff keep upwind. Use personal protective equipment. Prevent contamination of the environment.

6.2. Environmental precautions

Prevent spreading of spilled product into drains/surface water/ground water/soil/ water sources.

In the case of leakage of large amounts of substances into surface or wastewater notify the competent authorities.

6.3. Methods and material for containment and cleaning up

In case of leak spilled product absorb to suitable material (sand, diatomaceous earth or soil, acidic or inert binder) and place it in a container for waste collection. Dispose of the waste in compliance with Section 13. After removal of waste, clean up with water. Contaminated material stored in containers for waste collection. In case of large leakage, inform fire department and competent authorities.

6.4. Reference to other sections

Observe also provisions given in Sections 7, 8 and 13 of this Safety Data Sheet.

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 4/12

Product name:

FIREGEL heating paste

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not eat, drink or smoke. Respect the usual rules and measures for handling chemicals and hygiene measures. After finishing work, wash hands and face with soap and water. Provide adequate ventilation. Wear protective equipment. No smoking and handling with open fire. Do not keep near flames, hot surfaces and ignition sources. Avoid accumulation of electrostatic charges. Do not use tools which may produce sparks. Avoid environmental damage.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep in a cool, dry place. Provide adequate ventilation. Keep in properly labelled containers. Keep container tightly closed. Keep away from food, drinks and animal feed. Keep away from Incompatible products. Do not store near a heat source. Store and handle in accordance with all current regulations. Keep away from sources of heat, sparks and naked flames. Observe precautions stated on label and also industrial safety regulations.

7.3. Specific end use(s)

See section 1.2.

Specific use is given in the instructions for use on the label of the packaging or in the product documentation.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Control parameters of substances in Government Regulation no. 361/2007 coll., as amended (Czech Republic):

Substance	CAS	PEL/NPK-P (mg/m ³)	Notes	Conversion factor ppm
Ethanol	64-17-5	1000 / 3000	-	0,532
Isopropanol	67-63-0	500 / 1000	I	0,407
Ethyl methyl ketone	78-93-3	600/900	I	0,339

Note I: Irritates mucous membranes (eyes, respiratory tract), respectively skin

Limit values of biological exposure tests indicators in the decree no. 432/2013 coll., as amended: not specified

Exposure limit values according to Directive 2000/39/EC, 2006/15/EC, 2009/161/EU :

CAS	Name og agent	Eight hours		Short-term		Notation
		mg/m ³	ppm	mg/m ³	ppm	
78-93-3	Ehyl methyl ketone	600	200	900	300	-

DNEL and PNEC values:

Data not available for the product.

Ethanol CAS 64-17-5 *reg. number 01-2119457610-43*

DNEL:

Workers:	Inhalation route	Systemic effects	Long term exposure	950 mg/m ³
		Local effects	Long term exposure	1 900 mg/m ³
	Dermal route	Systemic effects	Long term exposure	343 mg/kg/bw/day
General population:	Inhalation route	Systemic effects	Long term exposure	114 mg/m ³
		Local effects	Short term exposure	950 mg/m ³
	Dermal route	Systemic effects	Long term exposure	206 mg/kg/bw/day
	Oral route	Systemic effects	Long term exposure	87 mg/kg bw/day

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 5/12

Product name: **FIREGEL heating paste**

PNEC

Freshwater:	0,96 mg/l
Freshwater (Intermittent releases):	2,75 mg/l
Marine water:	0,79 mg/l
STP:	580 mg/l
Sediment (freshwater)	3,6 mg/kg sediment dw
Sediment (marine water)	2.9 mg/kg sediment dw
Soil (hazard for terrestrial organism)	0,63 mg/kg soil dw
Secondary poisoning (predators)	0,38 g/kg/food

Isopropanol CAS 67-63-0 reg. number 01-2119457558-25

DNEL:

Workers:	Inhalation route	Systemic effects	Long term exposure	500 mg/m ³
	Dermal route	Systemic effects	Long term exposure	888 mg/kg bw/day
General population:	Inhalation route	Systemic effects	Long term exposure	89 mg/m ³
	Dermal route	Systemic effects	Long term exposure	319 mg/kg bw/day
	Oral route	Systemic effects	Long term exposure	26 mg/kg bw/day

PNEC

Freshwater:	140,9 mg/l
Freshwater (Intermittent releases):	140,9 mg/l
Marine water:	140,9 mg/l
STP:	2 251 mg/l
Sediment (freshwater)	552 mg/kg sediment dw
Sediment (marine water)	552 mg/kg sediment dw
Soil (hazard for terrestrial organism)	28 mg/kg soil dw
Secondary poisoning (predators)	160 mg/kg/food

Ehyl methyl ketone CAS 78-93-3 reg. number 01-2119457290-43

DNEL:

Workers:	Inhalation route	Systemic effects	Long term exposure	600 mg/m ³
	Dermal route	Systemic effects	Long term exposure	1161 mg/kg/bw/day
General population:	Inhalation route	Systemic effects	Long term exposure	106 mg/m ³
	Dermal route	Systemic effects	Long term exposure	412 mg/kg/bw/day
	Oral route	Systemic effects	Long term exposure	31 mg/kg bw/day

PNEC

Freshwater:	55,8 mg/l
Freshwater (Intermittent releases):	Data not available
Marine water:	55,8 mg/l
STP:	709 mg/l
Sediment (freshwater)	284,74 mg/kg sediment dw
Sediment (marine water)	284,7 mg/kg sediment dw
Soil (hazard for terrestrial organism)	22,5 mg/kg soil dw
Secondary poisoning (predators)	1000 g/kg/food

2-[(1-methylpropyl)amino]ethanol CAS 35265-04-4 reg. number 01-2119958378-21-0000

DNEL:

Workers:	Inhalation route	Systemic effects	Long term exposure	600 mg/m ³
		Systemic effects	Short term exposure	7,3 mg/m ³
		Local effects	Long term exposure	0,84 mg/m ³
	Dermal route	Systemic effects	Long term exposure	0,25 mg/kg/bw/day
		Local effects	Long term exposure	54 µg/cm ²
General population:	Inhalation route	Systemic effects	Long term exposure	0,1 mg/m ³

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0	Strana: 6/12
Product name: FIREGEL heating paste	

	Local effects	Long term exposure	0,14 mg/m ³
Dermal route	Systemic effects	Long term exposure	0,12 mg/kg/bw/day
Oral route	Systemic effects	Long term exposure	0,12 mg/kg bw/day

PNEC

Freshwater:	6,4 µg /l
Freshwater (Intermittent releases):	0,27 mg/l
Marine water:	0,64 µg/l
STP:	100 mg/l
Sediment (freshwater)	0,727 mg/kg sediment dw
Sediment (marine water)	0,073 mg/kg sediment dw
Soil (hazard for terrestrial organism)	0,142 mg/kg soil dw
Secondary poisoning (predators)	Data not available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Provide adequate ventilation. Wear personal protective equipment. After the work always thoroughly wash hands with water and soap. No eating, drinking and smoking at work. Keep away from food, drinks and animal feed.

If exposure limits cannot be complied, use suitable protection of respiratory tract.

8.2.2. Individual protection measures, such as personal protective equipment

Directive EU 89/656/EEC and Directive EU 89/686/EEC introduces all personal protective equipment used.

Eye/face protection:	Eye protection (EN 166) or face protection.
Skin protection:	Hand protection: Protective gloves (EN 374) Recommendation: Tight contact: Material: butyl rubber Thickness: 0,7 mm Penetration time: > 480 min Splashing: Material: nitrile rubber Thickness: 0,40 mm Penetration time: > 120 min Protective hand cream. Other: Protective clothing (EN 14605+A1)), footwear (EN 20344), antistatic. Is not required for consumer use.
Respiratory protection:	Avoid inhalation of vapors. Provide adequate ventilation. Use respiratory protective equipment (EN 14387+A1), filter A1, A2 or isolated breathing apparatus
Thermal hazards:	None.

8.2.3. Environmental exposure controls

Prevent contamination of soil and water sources.

See Directives 80/68/EC, 90/656/EC, 91/692/EC, on waters, and Directive 96/62/EC, on air.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	liquid / paste, color according to manufacturer's specifications
Odour:	characteristic, alcoholic
Odour threshold:	data not available
pH:	data not available
Melting point/freezing point:	data not available
Initial boiling point and boiling range:	78 – 79 °C

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 7/12

Product name:

FIREGEL heating paste

Flash point:	< 21 °C
Evaporation rate:	data not available
Flammability (solid, gas):	highly flammable liquid
Upper/lower flammability or explosive limits:	19% / 1,8 %
Vapour pressure:	data not available
Vapour density:	data not available
Relative density:	1 g/cm ³
Solubility(ies):	fully soluble in water
Partition coefficient: n-octanol/water:	- 0,31
Auto-ignition temperature:	425
Decomposition temperature:	data not available
Viscosity:	data not available
Explosive properties:	data not available
Oxidising properties:	data not available

9.2. Other information

VOC: ~ 1,0 kg/kg

SECTION 10: Stability and reactivity

10.1. Reactivity

Rapid reaction with oxidizing agents, alkali metals, halogens, acid anhydrides, acids, peroxides.

10.2. Chemical stability

Under normal conditions is stable during storage and handling.

10.3. Possibility of hazardous reactions

Hazardous reactions with oxidizing agents, alkali metals, peroxides, acids, chlorides, anhydrides.

10.4. Conditions to avoid

Heat, fire and other sources of ignition. The product forms an explosive mixture with air.

Prevent high vapor concentrations.

10.5. Incompatible materials

Rubber, plastics.

10.6. Hazardous decomposition products

The thermal decomposition may produce hazardous combustion CO and CO₂.

Alkali metal reactions – release H₂.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological data have not been experimentally determined for mixture. The classification of the mixture was done using the summation method in accordance with Regulation (EC) no. 1272/2008. Information about the possible effects of mixtures based on the knowledge of the individual components.

Acute toxicity

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

Ethanol

- LD ₅₀ , oral, rat (mg.kg ⁻¹):	7 060 (OECD 401)
- LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹):	15800
- LC ₅₀ , inhalation, rat (mg.l ⁻¹):	30000 (OECD 403)

Isopropanol

- LD ₅₀ , oral, rat (mg.kg ⁻¹):	> 2000
- LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹):	> 2000
- LC ₅₀ , inhalation, rat (mg.l ⁻¹):	30 / 4h
- LD ₅₀ , oral, rat (mg.kg ⁻¹):	4396

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 8/12

Product name:

FIREGEL heating paste

- LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹):	12800
- LC ₅₀ , inhalation, rat (mg.l ⁻¹):	16000 / 8h

Ethyl methyl ketone

- LD ₅₀ , oral, rat (mg.kg ⁻¹):	> 2500
- LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹):	> 5000
- LC ₅₀ , inhalation, rat (mg.l ⁻¹):	20

2-[(1-methylpropyl)amino]ethanol

- LD ₅₀ , oral, rat (mg.kg ⁻¹):	300 – 2000 (OECD 423)
- LD ₅₀ , dermal, rat or rabbit (mg.kg ⁻¹):	-
- LC ₅₀ , inhalation, rat (mg.l ⁻¹):	0,76 / 4h / páry (OECD 403)

Skin corrosion/irritation

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

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

2-[(1-methylpropyl)amino]ethanol

Oral: sensitisation (OECD 429)

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.

Ethanol

Fertility disturbance, mouse, oral NOAEL: 13 800 mg/kg/day

Fertility disturbance, rat, inhalation NOAEL: 13 800 mg/kg/day

Developmental toxicity, rat, oral NOAEL: 5,200 mg / day

Developmental toxicity, rat, inhalation NOAEL: 39 000 mg /m²

2-[(1-methylpropyl)amino]ethanol

Effect - fertility: NOAEL: 50mg/kg

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.

Ethanol

Toxicity after repeated exposure, oral, rat NOAEL: 1730 mg / kg / day. Target organ: digestive, liver.

2-[(1-methylpropyl)amino]ethanol

NOAEL: 750 mg / kg / liver / reduced weight / rat / female

Aspiration hazard

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

2-[(1-methylpropyl)amino]ethanol

Irritant / rat

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological data have not been experimentally determined for mixture. Information about the possible effects of mixtures based on the knowledge of the individual components. The product is not classified as hazardous to the aquatic environment.

ethanol

- LC ₅₀ , 96 hrs., fish (mg.l ⁻¹):	13000 <i>Oncorhynchus mykiss</i>
- EC ₅₀ , 48 hrs., invertebrates (mg.l ⁻¹):	9300 <i>Daphnia magna</i>

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 9/12

Product name:

FIREGEL heating paste

- IC ₅₀ 72 hrs., algae (mg.l):	5000
---	------

Isopropanol

- LC ₅₀ , 96 hrs., fish (mg.l ⁻¹):	> 100
- EC ₅₀ , 48 hrs., invertebrates (mg.l ⁻¹):	> 100 Daphnia
- IC ₅₀ 72 hrs., algae (mg.l):	> 100
- LC ₅₀ , 96 hrs., fish (mg.l ⁻¹):	8970 Leuciscus idus
- LC ₅₀ , 96 hrs., fish (mg.l ⁻¹):	> 1400 Lepomic macrochirus
- LC ₅₀ , 96 hrs., invertebrates (mg.l ⁻¹):	13299 Daphnia
- EC ₅₀ , 72 hrs., algae (mg.l-1):	> 1000 Desmodesmus subspicatus
- EC ₅₀ , 96 hrs., algae (mg.l-1):	> 1000 Desmodesmus subspicatus
- ErC ₅₀ , 72 hrs., algae (mg.l-1):	> 1000 Scenedesmus subspicatus

2-[(1-methylpropyl)amino]ethanol

- LC ₅₀ , 96 hrs., hrs (mg.l ⁻¹):	> 4,5 Oncorhynchus mykiss
- EC ₅₀ , 48 hrs., v (mg.l ⁻¹):	> 100 Daphnia magna
- ErC ₅₀ , 72 hrs., algae (mg.l ⁻¹):	> 100 Pseudokirchneriella subcapitata

12.2. Persistence and degradability

No data available for the mixture.

2-[(1-methylpropyl)amino]ethanol

9% / 28 days

Ethyl methyl ketone

Easy degradability

Isopropanol

95% (OECD 301)

12.3. Bioaccumulative potential

No data available (mixture). It is not expected to bioaccumulate in organisms.

2-[(1-methylpropyl)amino]ethanol

Log Kow: 0,4 OECD 107

Ethyl methyl ketone

Log Pow: 0,3

Isopropanol

Log Pow: 0,05

12.4. Mobility in soil

The product is soluble and mobile in water. The product can contaminate surface water.

12.5. Results of PBT and vPvB assessment

Does not contain PBT or vPvB substances.

12.6. Other adverse effects

No data available. In normal use, there is no hazard to the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Catalogue numbers of waste types are to be assigned by the user upon the product application used and other facts. Large quantities of the matches can be safely disposed of by landfilling at an approved site or by controlled combustion at an approved incinerator.

Recommended waste code:

Waste code (Product)	16 03 05* organic wastes containing hazardous substances
Waste code (Packing)	15 01 10* packaging containing residues of or contaminated by dangerous substances
Waste code (Absorption)	15 02 02*

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 10/12

Product name:

FIREGEL heating paste

absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances

Recommended disposal method for legal persons and physical persons authorised to enterprise:

Place unused preparation and contaminated packaging into labelled waste collection containers, hand over labelled waste for disposal to a specialised company authorised to carry out such activities.

Recommended disposal method: recycling. If not possible, place the preparation into a dry, labelled container.

Legal regulations relating to waste

Directive (Czech) on waste no. 93/2016 coll. Disposal must be made according to official regulations.

Commission Decision of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council (2014/955/EU).

SECTION 14: Transport information

The product is subject to ADR, RID, ADN, ICAO/IATA, IMDG provisions.

14.1. UN number	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	-
14.6. Special precautions for user	Label: 4.1 LQ: 5 kg
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code	none
	<u>ADR/RID</u> Tunnel: E Code - Kemler: - Code: F1 LQ: 5 kg EQ: E1 Packaging instructions: P002, LP02, R001 <u>ICAO/IATA</u> Packaging instructions a LQ: E443 Packaging instructions passenger: 446 Packaging instructions cargo: 449 <u>IMDG</u> EMS: F-A, S-I Marine pollution: no

SECTION 15: Regulatory information

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

Restrictions on the substances or mixtures according to Annex XVII of the REACH: none

Candidate list (SVHC list of substances) – REACH article 59: none

Substances subject to authorization (Annex XIV of the REACH Regulation): none

European regulations

Regulation (EC) of the European Parliament and of the Council no. 1907/2006 on Registration, evaluation, authorisation and restriction of chemicals (REACH)

Regulation (EC) of the European Parliament and of the Council no. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)

Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values

Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values

National legislation Czech republic

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 11/12

Product name: **FIREGEL heating paste**

Law no. 350/2011 Sb., on chemical substances and mixtures, as amended

Law no. 258/2000 Sb., on public health protection, as amended

Law no. 262/2006 Sb., the Labour Code, as amended

Law no. 201/2012 Sb., on Air Protection

Law no. 254/2001 Sb., on waters, as amended

Government Regulation CZ č. 361/2007 Sb., laying down the conditions of health of workers at work

15.2. Chemical safety assessment

A chemical safety assessment (CSR) has not been carried out for the mixture. CSR has been done for ethanol, the Exposure Scenario is available. The relevant risk management information is provided in the Safety Data Sheet.

SECTION 16: Other information

Revision history:

Version	Date	Changes
1.0	19 April 2017	First issue acc. to Regulation (EC) of the European Parliament and of the Council no. 1907/2006, acc. and to Regulation (EC) of the European Parliament and of the Council no. 1272/2008

Legend to abbreviations and acronyms

SCL Specific concentration limit

DNEL Derived no-effect level

PNEC Predicted no-effect concentration

PEL Permissible exposure limit, long-term (8 hrs.)

CAS Chemical Abstract Service

EC European Community number of a chemical for EINECS, ELINCS and NLP inventories

PBT Persistent, Bioaccumulative and Toxic substances

vPvB very Persistent and very Bioaccumulative substances

LD₅₀ Lethal dose, 50 %

LC₅₀ Lethal concentration, 50 %

EC₅₀ Half maximal effective concentration

IC₅₀ Half maximal inhibitory concentration

SVHC Substances of very high concern

Flam. Liq. 2	Flammable liquid, Category 2
Acute Tox. 2, 4	Acute toxicity, Category 2, 4
Eye Irrit. 2	Serious damage to eyes/eye irritation, Category 2
Eye Dam. 1	Serious damage to eyes/eye irritation, Category 1
Skin Corr 1B	Skin corrosion/irritation, Category 1B
Skin Sens 1B	Respiratory/skin sensitization, Category 1B
STOT SE 3	Specific target organ toxicity — single exposure, Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment, Category 2

List of relevant hazard statements used in the SDS

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H411 Toxic to aquatic life with long lasting effects.

P102 Keep out of reach of children.

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

P233 Keep container tightly closed.

P280 Wear protective gloves/ protective clothing/eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

SAFETY DATA SHEET

(according to Regulation (EC) of the European Parliament and of the Council no. 1907/2006 (REACH))

Date of issue: 19 April 2017 / version 1.0

Strana: 12/12

Product name:

FIREGEL heating paste

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container by handing it to a collection of hazardous waste. Do not throw into the fire – risk of explosion! Only empty container dispose to waste collection.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH208 Contains 2-[(1-methylpropyl)amino]ethanol. May produce an allergic reaction.

Key literature references and sources for data

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheets provided by the manufacturer.

The mixture was evaluated and classified in accordance with Regulation (EC) no. 1272/2008 summation method (hazards to health and the environment) and on the basis of test data (for physical hazards).

Training advice

See Law no. 262/2006 Sb., the Labour Code, as amended (Czech Republic)

Other information

For further information, see Section 1.3.

This Safety Data Sheet elaborated by DEKRA CZ a.s. represents an expert competent material complying with valid legal regulations. No modifications may be performed without the approval of the competent person.

The product shall not be used for any other purpose than the intended one (see Section 1.2). Since specific conditions of the preparation usage are beyond the supplier's control, it is the user's responsibility to adapt specified notices for local laws and regulations. Safety information describes the product in terms of safety, and therefore may not be considered to be technical information about the product.