

MATERIAL SAFETY DATA SHEET

Date: 6/12/06

1. IDENTIFICATION OF PRODUCT AND COMPANY

PRODUCT NAME: SKORSTEINSRENS

USE: Treatment and removal of creosote in residential wood-burning appliance chimneys

COMPANY AND EMERGENCY PHONE NUMBER :

EUREXIM SECURIFLAME
18, rue de la Grosse Pierre
78540 VERNOUILLET-France
Tel.: 33 1 39 28 18 00 / Fax: 33 1 39 65 81 65

2.COMPOSITION INFORMATION ON INGREDIENTS

Component	CAS #	EINEC/ELINCS	Danger Symbol Letter	R Phrase*
Slack wax	64742-61-6	265-165-5	none	none
Wood sawdust	9004-34-6 (cellulose)	232-674-9 (cellulose)	none	none
Ammonium sulphate	7783-20-2	231-984-1	X _i	36,37, 38
Urea	57-13-6	200-315-5	X _i	22, 36, 37, 38
Anhydrous Sodium Sulphate	7757-82-6	231-820-9	X _i	36,37, 38
Diphosphorous pentoxide (phosphorous pentoxide)	1314-56-3	215-236-1	C	35
Zinc Chloride	7646-85-7	231-592-0	X _n C N	22 34 50-53
Amorphous silica	112926-00-8	Unlisted	X _n	20

*R phrases provided under heading 16

3.HAZARDS IDENTIFICATION

Classification of preparation is not dangerous as per Annex II of 1999/45/EC.

4.FIRST AID PROCEDURES

INHALATION: Inhalation of the preparation is not a concern but in the case of inhalation of combustion fumes remove person to fresh air.

Inhalation may produce nausea and irritation of the upper respiratory tract. If symptoms persist, seek medical attention.

If breathing has stopped, administer artificial respiration/oxygen.

SKIN: Cool solid material is not expected to cause skin irritation.

Thermal burns may result from contact with hot material. If hot melted material gets on the skin, quickly cool in water see a doctor for extensive burns. Do not try to peel the solidified material from the skin or use solvents or thinners to dissolve it.

EYES: On exposure to combustion fumes move person away from exposure and into fresh air. Flush eyes with clean water. If irritation or redness persists, seek medical attention.

For contact with molten material, gently open eyelids and flush affected eye(s) with cold water. Seek immediate medical attention.

INGESTION: DO NOT INDUCE VOMIT; give large amounts of water. Call a physician.

Poison Control Hotline: 1-800-222-1222

5.FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

Flash point: 230° C

EXTINGUISHING METHODS:

Recommended: CO₂, DRY CHEMICAL OR FOAM

Not recommended: DON'T USE WATER EXCEPT AS A FOG

HAZARDOUS COMBUSTION PRODUCTS:

Irritating and toxic gases or fumes may be released during a fire.

PROTECTION EQUIPMENT: Respiratory and eye protection required for fire fighting personnel. A self-contained breathing apparatus (SCBA) should be used for all indoor fires and for significant outdoor fires.

6.ACCIDENTAL RELEASE MESURES

Personal Precautions: Remove all sources of ignition and any strong oxidizers. Avoid inhalation of dust; wear safety glasses with side shields, long sleeves, and chemical resistant gloves.

Environmental Precautions: Keep away from drains, surface and ground water, and soil.

7. HANDLING AND STORAGE

HANDLING: Where prolonged and/or repeated skin and eye contact is likely to occur wear safety glasses with side shields, long sleeves, and chemical resistant gloves.

STORAGE: Store at ambient temperature in a dry place, general ventilation, and away from combustible materials/strong oxidizers.

SPECIFIC USE: Burn in residential wood burning appliance only. See manufactures instructions for details.

8. EXPOSURES CONTROLS PERSONAL PROTECTION

8.1 Exposure Limit Values

No exposure or biological limit values set for preparation.

Exposure and Biological Limit Values for Constituent Substances

Slack Wax	OSHA PEL: 2 mg/m ³ (8 hr TWA, paraffin wax fume) ACGIH TLV: 2 mg/m ³ (8 hr TWA, paraffin wax fume) UK HSE: 2 mg/m ³ (8 hr TWA, paraffin wax fume) UK HSE 6 mg/m ³ (15 min, TWA STEL paraffin wax fume) oral-rat: >5000 mg/kg dermal-rat: > 2000 mg/kg
Wood Sawdust	OSHA PEL: 10 mg/m ³ (8 hr TWA, nuisance dust)
Ammonium Sulphate	OSHA PEL: not established ACGIH TLV: not established orl-man TDLo: 1500 mg/kg:GIT orl-rat LD50: 3000mg/kg ipr-mus LD50: 610 mg/kg orl-dom LDLo: 3500 mg/kg
Urea	OSHA PEL: not established ACGIH TLV: not established orl-rat TDLo: 821 g/kg/1Y-C:NEO orl-mus TDLo: 394 g/kg/1Y-C:CAR orl-rat LD50: 8471 mg/kg

Anhydrous Sodium Sulphate	OSHA PEL: not established ACGIH TLV: not established orl-rat LD50: 7070 mg/kg
Diphosphorous Pentoxide	OSHA PEL: not established ACGIH TLV: not established ihl-rat LC50: 1217 mg/m ³ /1H ihl-mus LC50: 271 mg/m ³ /1H ihl-rbt LC50: 1689 mg/m ³ /1H ihl-gpg LC50: 61 mg/m ³ /1H
Zinc Chloride	OSHA PEL: 1 mg/m ³ fume ACGIH TLV: 1 mg/m ³ fume dni-hmn:lym: 360 micromole/l ihl-man TCLO: 4800 mg/m ³ /30M:PUL ihl-hmn TCLO: 4800 mg/m ³ /3H orl-rat LD50: 350 mg/kg ipr-rat LD50: 58 mg/kg ipr-mus LD50: 24 mg/kg
Amorphous silica	OSHA TWA 6 mg/m ³

8.2 Exposure Control: Where prolonged and/or repeated skin and eye contact is likely to occur wear safety glasses with side shields, long sleeves, and chemical resistant gloves. Use general ventilation.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE: Brown wax/sawdust firelog

ODOR: Mild, none in its packaging.

PHYSICAL STATE: Solid (28-cm long / 8 cm diameter.)

pH: 6

Boiling point: 350-650° C

Flash point: 230° C

Flammability: Not Flammable

Explosive properties: Not Explosive

Oxidising properties: Not Oxidising

Vapour Pressure: 3 mm Hg

Vapour Density: 1.4

Density: 1 g/cc

Solubility: Insoluble

Partition coefficient: Large n-octanol/water partition coefficient

Viscosity: 3-30 mm²/s

Evaporation Rate: <0.01

10. STABILITY/REACTIVITY

CHEMICAL STABILITY: Stable

INCOMPATIBILITY: Strong oxidizers

CONDITIONS TO AVOID: Wet and/or high temperatures

HAZARDOUS DECOMPOSITION PRODUCTS: Acidic gases produced on combustion

11. TOXICOLOGICAL INFORMATION

The product is contained in sealed waxed paper wrapper throughout its use and the diphosphorous pentoxide is contained in a wax matrix within the preparation. Both minimize the potential of the diphosphorous pentoxide component into coming in contact with eyes, respiratory system or skin, therefore, irritation to skin, eyes or respiratory system will not occur through normal use. Due to the physical nature of the product ingestion is unlikely.

Human health effects may occur through the inhalation of gases produced by combustion due to the decomposition/oxidation of ammonium sulphate and diphosphorous pentoxide ingredients producing acid gases. No significant adverse health effects from inhalation are expected to occur under normal conditions of use. However, exposure to the smoke at high levels while burning may be irritating to the nose, throat and lungs. The irritating nature of the smoke precludes excessive unknowing exposure.

12. ECOLOGICAL INFORMATION

Most likely environmental effects are through the contact of the preparation or of its combustion residue with surface or ground waters allowing for the leaching of zinc salts.

13. DISPOSAL CONSIDERATIONS

Disposal should be accomplished through an authorized person/licensed waste disposal contractor in accordance with local regulations. Incineration of product may be carried out under controlled conditions, provided that local regulations for emissions are met.

14. INFORMATION RELATIVE TO TRANSPORT

During transportation, keep dry and at ambient temperature. Avoid sources of ignition and strong oxidizers.

15. REGULATORY INFORMATION

Prop. 65 California: Combustion of this manufactured sweeping log results in the emission of carbon monoxide, soot, and other combustion by-products, which are known by the state of California to cause cancer, birth defects, or reproductive harm.

16. OTHER INFORMATION

This firelog has been tested and approved by Underwriters Laboratories, Inc. for consumer safety.

This firelog has been tested by OMNI-Test Laboratories, Inc. for its chimney cleaning capabilities, flue emissions, and chimney damage potential.

RELEVANT R PHRASES (see section 2):

R20	Harmful by inhalation
R22	Harmful if swallowed
R35	Causes sever burns
R36	Irritating to eyes
R37	Irritating to respiratory system
R38	Irritating to skin
R36/38	Irritating to eyes and skin
R50/53	Very toxic to aquatic organisms, may cause long-term advise effects in the aquatic environment

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