

Peramin® SMF 10, Peramin® SMF 20

PERAMIN

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Peramin® SMF 10, Peramin® SMF 20
Recommended uses : Concrete / Mortar Admixture
 Additive for paints, for calcium sulfate application

SUPPLIER :
Name : Peramin AB
Address : Johanneslundsvägen, 2
 194 81 Upplands Väsby
 Sweden

Telephone number : +46 8 5908 6060
Telefax number : +46 8 5908 8025
E-mail : sds@peramin.com

EMERGENCY TELEPHONE NUMBER : CANUTEC (Canada) : 1-613-996-6666
 ORFILA (France) : +33 01 45 42 59 59
 Sweden : +46 8 33 12 31
 Germany : +49 69 305 6418

2. HAZARDS IDENTIFICATION

Emergency overview : Off-white powder, with a weak odour
 CAUTION
 Contains Formaldehyde, may cause an allergic reaction
 Causes eyes and throat irritation
 This product contains an ingredient designated by IARC, NTP or OSHA as probable or suspected human carcinogen (Formaldehyde)

OSHA Regulatory Status : This material is classified as hazardous under OSHA regulations
WHMIS (Canada) : This material is classified as hazardous under WHMIS regulations

Primary route(s) of entry/exposure : Inhalation
 Eyes
 Skin

Classification of the product : According to EC regulations, this product is not classified as a "hazardous preparation".

Potential health effects :
Inhalation : May induce slight irritation effect and sensitization
Skin contact : May induce slight irritating effect. May cause allergic reaction
Eye contact : May induce slight irritating effect
Ingestion : Possible nausea, vomiting

3. COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE :

Hazardous constituents :

Substance name	Contents	CAS No	EC No	Index No	Classification
Formaldehyde	< 0.2 %	50-00-0	200-001-8	605-001-00-5	Carc. Cat. 3; R40 T; R23/24/25 C; R34 R43

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4. FIRST AID MEASURES

- Inhalation :** : Move the affected person away from the contaminated area and into the fresh air
- Skin contact :** : Wash with soap and water
In case of redness or irritation, consult a doctor
- Eye contact :** : Rinse immediately and thoroughly with plenty of water whilst keeping the eyes wide open (at least 15 minutes)
Consult an eye specialist
- Ingestion :** : Rinse mouth out with water
Never attempt to induce vomiting
If you feel unwell, seek medical advice

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media :** : Carbon dioxide (CO₂)
Powders
Water spray
For a significant fire :
Water
Alcohol-resistant foam
- Specific hazards :** : During combustion :
Toxic vapors may be released (CO, SO₂)
- Specific fire fighting methods :** : Contain the extinguishing fluids by bunding
Do not attempt to fight the fire without suitable protective equipment
Cool down the containers/equipment exposed to heat with a water spray
- Protection of fire-fighters :** : Suitable breathing apparatus
Complete protective clothing

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions :** : Do not attempt to fight the fire without suitable protective equipment
Avoid contact with skin and eyes
Do not breathe dust
Ventilate spillage area
- Environmental precautions :** : Contain the spilled material by bunding
Do not discharge into the environment
- Methods for cleaning up :**
- **Recovery :** : Sweep up or vacuum up the product
 - **Cleaning/decontamination :** : Wash non-recoverable remainder with large amounts of water
 - **Disposal :** : For disposal of contaminated materials refer to section 13: "Disposal considerations".

7. HANDLING AND STORAGE

HANDLING

- Technical measures :** : Ensure good ventilation of the work station
- Precautions :** : Avoid contact with skin and eyes.
Do not breathe dust
Do not smoke

STORAGE

- Storage conditions :**

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7. HANDLING AND STORAGE

(continued)

- Recommended : : Store :
- in a cool, well-ventilated area
- in a dry area
- the container tightly closed

Packaging materials :

- Recommended : : Original packaging

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures : : Ensure good ventilation of the work station

Occupational exposure limits :

- USA (ACGIH) : : Formaldehyde : STEL = 0.3 ppm

- USA (OSHA) : : Formaldehyde : TWA = 0.75 ppm

Personal protective equipment :

- Respiratory protection : : If the ventilation is suitable, it is not necessary to wear respiratory equipment

- Hand protection : : Protective gloves made of PVC
Neoprene rubber gloves
Breakthrough time : refer to the recommendations of the supplier

- Eye protection : : Safety spectacles

- Skin and body protection : : Protective clothing

Hygiene measures : : Do not drink, eat or smoke in the workplace
Always wash your hands after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : : Powder

Colour : : off white

Odour : : weak odour

pH : : Peramin[®] SMF 10 Peramin[®] SMF 20
8.5 (50 g/l - 20 °C) 9.5 (50 g/l - 20 °C)

Flammability characteristics :

- Flash point : : Not applicable.

- Auto-ignition temperature : : 730 °C

Explosion properties : : Divided solid. Dust explosion possible when mixed with air.

Specific gravity : : Peramin[®] SMF 10 Peramin[®] SMF 20
450-650 kg/m³ 450-650 kg/m³

Solubility :

- in water : : Easily soluble.

10. STABILITY AND REACTIVITY

Stability : : Stable at ambient temperature and under normal conditions of use

Hazardous reactions :

- Hazardous decomposition products : : On combustion or on thermal decomposition (following the evaporation of water)
releases :
Carbon oxides (CO, CO₂)
Sulphur oxides

Peramin® SMF 10, Peramin® SMF 20**PERAMIN****10. STABILITY AND REACTIVITY (continued)**

Various hydrocarbon fragments

11. TOXICOLOGICAL INFORMATION

- Acute toxicity :** : Sulfonated melamine polymer:
LD 50 oral (rat) : > 5000 mg/kg
(published data)
- Local effects :** : May induce slight irritating effect on contact with skin or eyes, or if inhaled
- Sensitization :** : Contains Formaldehyde. May cause an allergic reaction
- Specific effects :**
- Carcinogenicity :** : This product contains an ingredient designated by IARC, NTP or OSHA as
probable or suspected human carcinogen (Formaldehyde) : Reasonably anticipated
to be human carcinogen
- Mutagenicity :** : Ames test (with and without metabolic activation) : negative
(published data)

12. ECOLOGICAL INFORMATION**ECOTOXICITY :**

- Effects on the aquatic environment :** : Sulfonated melamine polymer:
EC 10 (Algae) : 1800 mg/l
LC 50 (Fish)/ 48 h : > 560 mg/l
(published data)

13. DISPOSAL CONSIDERATIONS**WASTE FROM PRODUCT :**

- Destruction/Disposal :** : Dispose of in accordance with relevant local regulations

CONTAMINATED PACKAGING :

- Decontamination/cleaning :** : Empty the packaging completely prior to disposal

- Destruction/disposal :** : Destroy at an authorised site

- NOTE :** : The user's attention is drawn to the possible existence of specific european,
national or local regulations regarding disposal

14. TRANSPORT INFORMATION**INTERNATIONAL REGULATIONS :****Land transportation :**

- Rail/road (RID/ADR) :** : Not restricted


- Road (DoT 49 CFR) :** : Not restricted

- TDG (Canada) Classification :** : Not restricted

- Sea (IMO/IMDG) :** : Not restricted

- Air (ICAO-IATA) :** : Not restricted

- NOTE :** : The above regulatory prescriptions are those valid on the date of publication of this
sheet Given the possible evolution of transport regulations for hazardous materials,
in case the present sheet is dating back to more than 12 months ago, it would be
advisable to check their validity with your commercial agency

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15. REGULATORY INFORMATION

EC LABELLING :

- R phrases : : None
- S phrases : : S22 : Do not breathe dust.
- Additional phrases : : Contains : Formaldehyde. May produce an allergic reaction

USA

US Toxic Substances Control Act - TSCA : : The constituents mentioned in §3 are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory

SARA - USA : : SARA section 311/312 categorizations : none

CERCLA Hazardous Substance (40CFR Part 302) : None

Canada

Domestic Substance List (DSL) : The constituents mentioned in §3 are registered in the DSL (Canada) inventory

WHIMS Classification : : D1A (very toxic material with immediate effects - acute toxicity)
D2A (very toxic material with other effects - carcinogen CIRC 1, ACGIH A2)
D2B (material eye irritant - animal mutagen)

16. OTHER INFORMATION

Further information : : This data sheet complies with the following : 29 CFR1910.1200 and ISO 11014-1 standard
This MSDS contains all the information required by the CPR (Controlled Products Regulations)
This safety data sheet has been written in conformity with the annex II of the regulation (EC) 1907/2006 (REACH)

R phrases text of § 3 : : R23/24/25 : Toxic by inhalation, in contact with skin and if swallowed.
R34 : Causes burns.
R40 : Limited evidence of a carcinogenic effect.
R43 : May cause sensitization by skin contact.

NFPA Hazard Rating : - Reactivity : 0
- Flammability : 0
- Health : 3
- Special : 0

*** Update :** : This sheet was updated (refer to the date at the top of this page)

Safety data sheet established by : : LISAM SERVICES - TELEGIS
6 rue des Boucheries F-60400 NOYON
www.reachelp.com
Safety Made Easy with www.lisam.com

This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.

Besides, the attention of the user is drawn to the possible risk incurred by using the product for any other use than that for which it was intended.

In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone will take on the responsibility for taking the precautions involved by the use of the product.

The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

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