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<b>Peramin® SRA110</b>		<b>PERAMIN</b>



Irritant

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME :** : Peramin® SRA110

**Recommended uses :** : Additive for dry mix mortars, paints and calcium sulfate application  
This product has not been designed as an admixture for concrete

**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 :** : Colourless fluid, with characteristic odour  
CAUTION  
Irritating to eyes  
May be irritating to the respiratory system  
This product does not contain any ingredient designated by IARC, NTP or OSHA as probable or suspected human carcinogen

**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 criteria, this product is classified as :  
- IRRITANT

**Potential health effects :**

**Inhalation :** : Slightly irritating to respiratory system

**Skin contact :** : Not irritating

**Eye contact :** : Burning sensation  
Watering of the eyes

**Ingestion :** : Possible irritation of mucous membranes and digestive tract, nausea, vomiting

**Peramin® SRA110**

**PERAMIN**

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**MIXTURE :**

**Hazardous constituents :**

Substance name	Contents	CAS No	EC No	Index No	Classification
5-Ethyl-1,3-dioxane-5-methanol	80 - 100 %	5187-23-5	225-967-8	----	Xi; R36

**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 (CO<sub>2</sub>)  
Powders  
Water spray  
For a significant fire :  
Water  
Alcohol-resistant foam
- Specific hazards :** : During combustion :  
Toxic vapors may be released (CO)
- 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 vapours  
Ventilate spillage area
- Environmental precautions :** : Contain the spilled material by bunding  
Do not discharge into the environment
- Methods for cleaning up :**
- **Neutralization :** : Absorb spillage with:
    - sand or inert absorbent
    - diatomaceous earth.
  - **Cleaning/decontamination :** : Wash non-recoverable remainder with large amounts of water
  - **Disposal :** : For disposal of contaminated materials refer to section 13: "Disposal considerations".

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## 7. HANDLING AND STORAGE

### HANDLING

- Technical measures :** : Ensure good ventilation of the work station
- Precautions :** : Avoid contact with skin and eyes.  
Do not breathe vapours  
Do not smoke  
No flames, no sparks. Eliminate all sources of ignition.

### STORAGE

- Storage conditions :**
- Recommended :** : Store :  
- in a cool, well-ventilated area  
- in a dry area  
- the container tightly closed
- Incompatible materials :** : Strong oxidizing agents
- Packaging materials :**
- Recommended :** : Original packaging

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures :** : Ensure good ventilation of the work station
- 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 :** : Goggles + face shield
- 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 :** : Fluid
- Colour :** : colourless
- Odour :** : Characteristic
- pH :** : 5-8 (5 % - 20 °C)
- Specific temperatures :**
- Melting :** : < 20 °C
- Boiling :** : 238 °C
- Flammability characteristics :**
- Flash point :** : 126 °C
- Auto-ignition temperature :** : 360 °C
- Explosion properties :** : Not explosive
- Vapour pressure :** : 0.04 hPa (100 °C)
- Specific gravity :** : 1090 kg/m<sup>3</sup> (20 °C)
- Solubility :**
- in water :** : Easily soluble

**Peramin® SRA110****PERAMIN****9. PHYSICAL AND CHEMICAL PROPERTIES (continued)**

- in organic solvents : Readily soluble in methanol, acetone  
Octanol/water partition coefficient : 0.26 log Pow  
Dynamic viscosity : 80 mPas (20 °C)

**10. STABILITY AND REACTIVITY**

- Stability : Stable at ambient temperature and under normal conditions of use  
Hazardous reactions :  
- Materials to avoid : - strong oxidizing agents  
- Hazardous decomposition products : On combustion or on thermal decomposition (following the evaporation of water)  
: releases :  
Carbon oxides (CO, CO<sub>2</sub>)  
Various hydrocarbon fragments

**11. TOXICOLOGICAL INFORMATION**


- Acute toxicity : 5-Ethyl-1,3-dioxane-5-methanol :  
LD 50 oral (rat) : > 2000 mg/kg  
(published data)  
Local effects : Irritating to eyes  
May be irritating to the respiratory system  
Sensitization : Does not cause sensitisation  
Specific effects :  
- Carcinogenicity : This product does not contain any ingredient designated by IARC, NTP or OSHA as  
probable or suspected human carcinogen  
- Mutagenicity : Ames test (with and without metabolic activation) : negative  
(published data)

**12. ECOLOGICAL INFORMATION**

- BIODEGRADABILITY : 5-Ethyl-1,3-dioxane-5-methanol : 93%  
Easy biodegradable  
ECOTOXICITY :  
Effects on the aquatic environment : 5-Ethyl-1,3-dioxane-5-methanol :  
EC 50 (Daphnia) / 48h : 3000 mg/l  
EC 50 (Algae) / 72 h : > 1000 mg/l  
LC 50 (Fish) / 96 h : > 1000 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

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#### 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.

#### 15. REGULATORY INFORMATION

##### EC LABELLING :

##### - Symbols and indications of danger :



: - IRRITANT (Xi)

- R phrases : R36 : Irritating to eyes.

- S phrases : S23 : Do not breathe vapour.  
S24/25 : Avoid contact with skin and eyes.  
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

##### 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 :** : D2B (material skin or eye irritant)

#### 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 :** : R36 : Irritating to eyes.

**NFPA Hazard Rating** : - Reactivity : 0  
- Flammability : 0  
- Health : 1  
- Special : 0

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<b>16. OTHER INFORMATION</b>	<b>(continued)</b>
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\* **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.

**End of document**