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Peramin® SRA 440		PERAMIN

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : Peramin® SRA 440
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 a characteristic odour
WARNING
May be irritating to the eyes
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 regulations, this product is not classified as a "hazardous preparation".
Potential health effects :
Inhalation : May induce slight irritating effect
Skin contact : Not irritating
Eye contact : May be irritating to the eyes
Ingestion : Possible nausea, vomiting

3. COMPOSITION / INFORMATION ON INGREDIENTS

MIXTURE :

Hazardous constituents :

Substance name	Contents	CAS No	EC No	Index No	Classification
2-Ethylpropane-1,3-diol	: 60 - 80 %	2612-29-5	220-038-3	----	
Propylidyntrimethanol	: < 15 %	77-99-6	201-074-9	----	
5-Ethyl-1,3-dioxane-5-methanol	: < 15 %	5187-23-5	225-967-8	----	Xi; R36

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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 :** : None to our knowledge. If there is a fire close by, use suitable extinguishing agents
- Specific hazards :** : During combustion :
Toxic vapors may be released
- 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".

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

STORAGE

- Storage conditions :**
- **Recommended :** : Store :
 - in a cool, well-ventilated area
 - in a dry area

Peramin[®] SRA 440**PERAMIN****7. HANDLING AND STORAGE (continued)**

- the container tightly closed

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 :** : 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 :** : Fluid**Colour :** : colourless**Odour :** : Characteristic**pH :** : 6.5 - 9 (20 °C)**Specific temperatures :**- **Melting :** : 0 °C- **Boiling :** : 224 °C**Flammability characteristics :**- **Flash point :** : 118 °C**Explosion properties :** : Not explosive**Specific gravity :** : 1011 kg/m³**Solubility :**- **in water :** : Easily soluble**Octanol/water partition coefficient :** : -0.16 log POW**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)
Various hydrocarbon fragments

Peramin® SRA 440**PERAMIN****11. TOXICOLOGICAL INFORMATION**

- Acute toxicity :** : Propylidynetrimehanol:
LD 50 oral (rat) : > 5000 mg/kg
LD 50 skin (Rat) : > 500 mg/kg
5-Ethyl-1,3-dioxane-5-methanol:
LD 50 oral (rat) : > 2000 mg/kg
(published data)
- Local effects :** : May induce slight irritating effect if inhaled
May cause eyes irritation
- Sensitization :** : No sensitizing effects known
- 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 :** : Propylidynetrimehanol: 99%
5-Ethyl-1,3-dioxane-5-methanol: > 90 %
(published data)
- ECOTOXICITY :**
- Effects on the aquatic environment :** : EC 50 (Daphnia) / 48h : 7060 mg/l
EC 50 (Algae) / 72 h : 2512 mg/l
Propylidynetrimehanol:
EC 50 (Daphnia) / 96h : > 1000 mg/l
LC 50 (Fish)/ 96 h : > 100 mg/l
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

14. TRANSPORT INFORMATION

- INTERNATIONAL REGULATIONS :**
- Land transportation :**
- Rail/road (RID/ADR) :** : Not restricted
- Road (DoT 49 CFR) :** : Not restricted
- TDG (Canada) Classification :** : Not restricted

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14. TRANSPORT INFORMATION	(continued)
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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 :
 - R phrases : : None
 - S phrases : : None
 - Additional phrases : : Safety data sheet available for professional user on request
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 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


*** 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.

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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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