



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2015/830)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : PERAMIN® SRA10
UFI : 0PDC-RU8U-050W-UXUJ

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

Additive for dry mix mortar, paints, calcium sulfate application

1.3. Details of the supplier of the safety data sheet

Registered company name : PERAMIN AB.
Address : Johanneslundsvagen, 2 .194 81.Upplands Vasby.Sweden.
Telephone : +46 8 5908 6060. Fax : +46 8 5908 8025.
productsteward.aluminates@imerys.com

1.4. Emergency telephone number : +46 (0)10-456 67 00.

Association/Organisation : Giftinformationen (24/7).

Other emergency numbers

NHS Direct in England or Wales: 0845 46 47 -- NHS 24 in Scotland: 08454 24 24 24 -- Poisons Information Centre of Ireland (8am-10pm; 7 days a week): 01 809 2166 -- Poisons Information Centre in South Africa: 13 11 26

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

Eye irritation, Category 2 (Eye Irrit. 2, H319).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Hazard pictograms :



GHS07

Signal Word :

WARNING

Hazard statements :

H319 Causes serious eye irritation.

Precautionary statements - Prevention :

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/ ...

Precautionary statements - Response :

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.

2.3. Other hazards

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

May be harmful if swallowed.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS**3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 5187-23-5 EC: 225-967-8 REACH: 01-2119954531-39	GHS07 Wng Eye Irrit. 2, H319		50 <= x % < 100
5-ETHYL-1,3-DIOXANE-5-METHANOL			
CAS: 77-99-6 EC: 201-074-9	GHS08 Wng Repr. 2, H361fd	[2]	0 <= x % < 3
PROPYLIDYNTRIMETANOL			

(Full text of H-phrases: see section 16)

Information on ingredients :

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

Other data :

Hazardous impuritie: CAS: 77-99-6

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing by an unconscious person.

4.1. Description of first aid measures**In the event of exposure by inhalation :**

Move the affected person away from the contaminated area and into the fresh air

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.
Wash with soap

In the event of swallowing :

Seek medical attention, showing the label.
Never attempt to induce vomiting

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

Eye irritation

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

Treat symptomatically

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media**Suitable methods of extinction**

In the event of a fire, use :
- sprayed water or water mist
- foam
- powder
- carbon dioxide (CO2)

Unsuitable methods of extinction

In the event of a fire, do not use :
- water jet

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5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For non first aid worker

Avoid any contact with the skin and eyes.

Ensure adequate ventilation.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

Ensure adequate ventilation.

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming) : do not generate dust.

Clean contaminated surface thoroughly. After cleaning, flush away traces with water.

6.4. Reference to other sections

Sections 7, 8 & 13

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure adequate ventilation.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Avoid eye contact with this mixture.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

Keep the container tightly closed in a well ventilated place

Keep the container away from dampness

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

If you require advice on specific uses, please contact your supplier.

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SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

Particles not otherwise specified/classified

UK / WEL (Workplace exposure limits, EH40/2005, 2007) : Inhalable dust 8-hour TWA=10mg/m³ Respirable dust 8-hour TWA=4mg/m³

Derived no effect level (DNEL) or derived minimum effect level (DMEL):

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Final use:

Exposure method:
Potential health effects:
DNEL :

Workers.

Dermal contact.
Long term systemic effects.
2.8 mg/kg body weight/dayExposure method:
Potential health effects:
DNEL :Inhalation.
Long term systemic effects.
9.7 mg of substance/m³

Final use:

Exposure method:
Potential health effects:
DNEL :

Consumers.

Dermal contact.
Long term systemic effects.
1.4 mg/kg body weight/dayExposure method:
Potential health effects:
DNEL :Inhalation.
Long term systemic effects.
2.4 mg of substance/m³

Predicted no effect concentration (PNEC):

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Environmental compartment:
PNEC :Fresh water.
1 mg/lEnvironmental compartment:
PNEC :Sea water.
0.1 mg/l

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

Prescription glasses are not considered as protection.

Provide eyewash stations in facilities where the product is handled constantly.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

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Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Neoprene® (Polychloroprene)
- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

Recommended properties :

- Impervious gloves in accordance with standard EN ISO 374-2

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

- Respiratory protection

Avoid breathing dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

Wear a disposable half-mask dust filter in accordance with standard EN149.

Category :

- FFP2

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties****General information :**

Physical state :	Powder or dust.
Color:	White / beige
Odour:	Characteristic

Important health, safety and environmental information

pH :	Not stated.
pH (aqueous solution) :	6 - 8 (5% 20°C)
Boiling point/boiling range :	Not specified.
Flash point interval :	Not relevant.
Vapour pressure (50°C) :	Not relevant.
Density :	0.35 - 0.43
Water solubility :	Partially soluble.
Melting point/melting range :	Not specified.
Self-ignition temperature :	Not specified.
Decomposition point/decomposition range :	Not specified.
Evaporation rate:	Not determined.
Flammability (solid, gas):	Not flammable
Explosive limits :	Non explosive
Vapour density :	Not determined.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity :	Not applicable
Oxidising properties :	None

9.2. Other information

None

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

To our knowledge, the product does not present any particular risk

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

None under normal conditions.

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10.4. Conditions to avoid

Avoid :

- formation of dusts
- heating
- contact with air

10.5. Incompatible materials

Keep away from :

- strong oxidising agents

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

11.1.1. Substances**Acute toxicity :**

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Oral route : LD50 > 2000 mg/kg
Species : Rat
OECD Guideline 401 (Acute Oral Toxicity)

Skin corrosion/skin irritation :

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

OECD Guideline 404 (Acute Dermal Irritation / Corrosion)

Respiratory or skin sensitisation :

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Local lymph node stimulation test : Non-Sensitiser.
Species : Mouse
OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

Germ cell mutagenicity :

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

No mutagenic effect.

Mutagenesis (in vitro) :

Negative.
Species : Mammalian Cell Line
OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Reproductive toxicant :

PROPYLIDYNTRIMETANOL (CAS: 77-99-6)

Suspected of damaging fertility and the unborn child.

Study on fertility : Species : Rat
OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Specific target organ systemic toxicity - repeated exposure :

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Oral route : C = 275 mg/kg bodyweight/day
Species : Rat
Duration of exposure : 90 days

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OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

11.1.2. Mixture

Acute toxicity :

No data available

Skin corrosion/skin irritation :

No data available

Serious damage to eyes/eye irritation :

Irritating to eyes

Respiratory or skin sensitisation :

No data available

Germ cell mutagenicity :

No data available

Carcinogenicity :

No data available

Reproductive toxicant :

No data available

Specific target organ systemic toxicity - single exposure :

No data available

Specific target organ systemic toxicity - repeated exposure :

No data available

Aspiration hazard :

No data available

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Substances

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Fish toxicity :

LC50 > 1000 mg/l

Species : Brachydanio rerio

Duration of exposure : 96 h

OECD Guideline 203 (Fish, Acute Toxicity Test)

Crustacean toxicity :

EC50 = 2466 mg/l

Species : Daphnia magna

Duration of exposure : 48 h

OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)

Algae toxicity :

ECr50 > 1000 mg/l

Species : Pseudokirchnerella subcapitata

Duration of exposure : 72 h

OECD Guideline 201 (Alga, Growth Inhibition Test)

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Biodegradability :

Rapidly degradable.

12.3. Bioaccumulative potential

12.3.1. Substances

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5-ETHYL-1,3-DIOXANE-5-METHANOL (CAS: 5187-23-5)

Octanol/water partition coefficient :

log K_{ow} = 0.19

OECD Guideline 107 (Partition Coefficient (n-octanol / water), Shake Flask Method)

12.3.2. Mixtures

No bioaccumulation potential

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not satisfy the PBT or vPvP criteria in accordance with annexe XIII of the REACH regulations EC 1907/2006.

12.6. Other adverse effects

No information available.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

SECTION 14 : TRANSPORT INFORMATION

Exempt from transport classification and labelling.

14.1. UN number

Not relevant

-

14.2. UN proper shipping name

-

Not relevant

14.3. Transport hazard class(es)

ADR : not classified

IMDG : not classified

ICAO/IATA : not classified

RID : not classified

-

14.4. Packing group

Not applicable

-

14.5. Environmental hazards

Not relevant

-

14.6. Special precautions for user

No relevant

-

SECTION 15 : REGULATORY INFORMATION

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

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2020/217 (ATP 14)

- Container information:

No data available.

- Particular provisions :

No data available.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

- | | |
|--------|--|
| H319 | Causes serious eye irritation. |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |

Abbreviations :

- DNEL : Derived No-Effect Level
PNEC : Predicted No-Effect Concentration
CMR: Carcinogenic, mutagenic or reprotoxic.
UFI : Unique Formula Identifier
ADR : European agreement concerning the international carriage of dangerous goods by Road.
IMDG : International Maritime Dangerous Goods.
IATA : International Air Transport Association.
ICAO : International Civil Aviation Organisation
RID : Regulations concerning the International carriage of Dangerous goods by rail.
WGK : Wassergefährdungsklasse (Water Hazard Class).
GHS07 : Exclamation mark
PBT: Persistent, bioaccumulable and toxic.
vPvB : Very persistent, very bioaccumulable.
SVHC : Substances of very high concern.