SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1Product identification

Trade name: **MPS REFRESH**

UFI: JJGA-XV9E-X20E-RGE1

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

Use of the substance or preparation
Professional.
Building protection product

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Sobeltec nv
Klein Frankrijkstraat 43
9600 Ronse - Belgium
T +32 55 230 600
info@sobeltec.be

Information on the safety data sheet:
Telephone +32 55 230 600
E-mail info@sobeltec.be

1.4 Emergency phone number

National Poison Information Service (NPIS).
UK NPIS 0344 892 0111 (24 hour service)
National Poison Information Center of Ireland (NPIC)
Beaumont Hospital - PO Box 1297 - Beaumont Road - Dublin 9
Healthcare Professionals: +353 (01) 809 2566 (24 hour service)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Hazard class	Hazard category	Exposure pathway	H-Code
Flammable liquids	Category 3		H226
Serious eye damage/eye irritation	Category 2		H319

2.2 Labelling elements

Labelling according to Regulation (EC) No 1272/2008:

Icons:

Signal word: Warning

H-Code	hazard statements
H226	Flammable liquid and vapour.
H319	Causes severe eye irritation.

P-Code	precautions
P280	Wear protective gloves/protective clothing/eye protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoking.
P305 + P351 + P338	IF IN EYES: Rinse carefully with water for several minutes; Remove contact lenses, if possible; continue rinsing.
P337 + P313	If eye irritation persists: consult a doctor.
P403 + P235	Keep in a well-ventilated place. Store in a cool place.
P501	Dispose of contents/container.

2.3 Other hazards

The product hydrolyses under formation of methanol (CAS No 67-56-1). Methanol is classified both for physical risks and health risks. The rate of hydrolysis and thus the relevance for the risk profile of the product strongly depends on the specific conditions.

SECTION 3: Composition and information on ingredients

3.1 Fabrics

not applicable

3.2 Mixtures

3.2.1 Chemical characterisation

Modified polysiloxane

3.2.2 Contains hazardous substances

Type	CAS no.	EC No. REACH No.	Fabric	Content %	Layout in accordance with Regulation (EC) No . 1272/2008*	Note
INHA	5593-70-4	227-006-8 01-2119967423-33	tetra(n-butyl) titanate	>=1 - <3	STOT SE 3; H335 STOT SE 3; H336 Eye Dam. 1; H318 Flam. Liq. 3; H226 Skin Irrit. 2; H315	[1]
VERU	67-56-1	200-659-6	Methanol	>=0,3 - <1	STOT SE 1; H370 Acute Tox. 3 inhalative; H331 Acute Tox. 3 dermal; H311 Acute Tox. 3 oral; H301 Flam. Liq. 2; H225	[1], [2]

type: INHA: ingredient, VERU: impurity

REACH-registered substances may be present as contaminants. These do not normally give rise to the listing of identified uses or exposure scenarios on the safety data sheet.

[1] = Substance which causes damage to health or the environment; [2] = Substance with a Community workplace exposure limit; [3] = PBT substance; [4] = vPvB substance

*The classification codes are explained in Chapter 16.

This product does not contain any substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts ≥ 0.1%.

SECTION 4: First aid measures

4.1 Description of first aid measures

General:
Bringing people to safety. First aiders must protect themselves.

After contact with eyes:
Rinse immediately with plenty of water for 10-15 minutes. If irritation persists, consult a doctor.

After skin contact:
Remove contaminated or soaked clothing. Wash immediately with plenty of water and soap. Seek medical advice in case of visible skin changes or complaints (show the label or safety data sheet if possible).

After inhalation:
Bring patient to a calm lying position. If unconscious, place in stable side position. In case of respiratory arrest give mouth-to-mouth resuscitation. Protect against hypothermia. Immediately consult a doctor and give the exact name of the substance.

After swallowing:
Give plenty of water to drink in small quantities - but only if the person is conscious. Do not induce vomiting.
Consult a doctor immediately and give the exact name of the substance.

4.2 Most important symptoms and effects, both acute and delayed

Relevant data can be found in other parts of this section.

4.3 Indication of any immediate medical attention and special treatment needed

Methanol (CAS 67-56-1) was well and quickly absorbed in all routes of exposure and is toxic independent of the route of absorption. Methanol may cause irritation of mucous membranes, nausea, vomiting, headache, dizziness and vision impairment, as well as blindness (irreversible optic nerve damage), acidosis, muscle spasms and coma. After exposure, these effects may be delayed. Read more about toxicology in section 11.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:
Alcohol resistant foam , Carbon dioxide , Water spray , Sprinkler systems , Sand , Extinguishing powder .

Unsuitable extinguishing media for safety reasons:
water jet .

5.2 Special hazards arising from the substance or mixture

In case of fire, dangerous fire gases or vapours may be produced. Exposure to combustion products can be dangerous to health! Hazardous combustion products: Toxic and highly toxic vapours .

5.3 Advice for firefighters

Special protective equipment for fighting fires:
Use compressed air equipment. Keep unprotected persons away.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures

Secure the surroundings. Wear personal protective equipment, etc. (see section 8). Keep unprotected persons away. Avoid contact with eyes and skin. Do not inhale gases / fumes / aerosols. If material has been spilt, take note of the danger of slipping. Do not walk through spilt material.

6.2 Environmental precautions

Do not allow to enter surface water, waste water or soil. Stop leak if this is possible without danger. Contain run-off liquid with suitable material (e.g. earth). Contaminated water/extinguishing water must be contained and stored. Only dispose of in containers marked appropriately. In the event of release into surface water, sewage system or soil, inform the relevant authorities.

6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of or process as directed. Do not flush with water. In case of small quantities: Sweep up with neutral (non-alkaline / non-acidic), liquid-binding material such as diatomaceous earth and then dispose of as directed. For larger quantities: Liquids can be removed with suction devices or pumps. If they are inflammable, only pneumatic or electric devices may be used. Remove any remaining smooth layer with detergent / soap solution or other biodegradable cleaning agent. Silicone oil is slippery; spillage therefore represents a safety hazard. Sand or another inert, granular material should be sprinkled to remove slipperiness.

Additional instructions:
Extract vapours. Remove ignition sources. Observe Ex-protection. Observe the instructions under item 7.

6.4 Reference to other sections

Please pay attention to relevant information in other sections. This applies in particular to information on personal protection equipment (section 8) and waste disposal (section 13).

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Instructions for safe use:
Ensure good ventilation of the room and the workplace. Extraction equipment must be available. Spilled material causes danger of slipping. Avoid formation of aerosols. In case of aerosol formation, take special safety precautions (extraction system, respiratory protection). Keep away from incompatible materials (see item 10).

Instructions on protection against fire and explosions:
Product may secrete methanol. Vapours may form a mixture with air in closed areas that can cause explosions if ignition sources are present, even in empty, uncleaned containers. Keep away from sources of ignition and do not smoke. Take measures to prevent static discharge. Keep containers cool with water.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and packaging:
Please observe the local official regulations.

Information on storage together with other substances:
Please observe the local official regulations.

Other specifications regarding conditions of storage:
Store in a dry and cool place. Protect from moisture. Keep container in a well-ventilated place.

7.3 Specific end-use

No data are available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Limit values for workplace air:

Fabric	type	mg/m³	ppm	E/A	fibre/m³
Methanol	TLV_EN	260,0	200,0		
Methanol	EU	260,0	200,0		
Aerosol - inhalable fraction		10,0			

-
The stated limit value of aerosol is a recommendation for aerosol formation in the process.

Derived No-Effect Level (DNEL):

tetra(n-butyl) titanate

Scope:	Value:
Worker; inhalative; systemic (long-term)	127 mg/m³
Consumer; inhalative; systemic (long term)	38 mg/m³
Consumer; oral; systemic (long term)	3.75 mg/kg bw/day
Consumer; dermal; systemic (long-term)	37.5 mg/kg bw/day

Predicted No Effect Concentration (PNEC):

tetra(n-butyl) titanate

Scope:	Value:
Freshwater	0.08 mg/l
Seawater	0.008 mg/l
Sediment (freshwater)	0.0687 mg/kg dry weight
Sediment (saltwater)	0.0069 mg/kg dry weight
Intermittent supply	2.25 mg/l
Purification system	65 mg/l
Bottom	0.0168 mg/kg dry weight

8.2 Exposure control measures

8.2.1 Control of occupational exposure

General protective and hygienic measures:
Observe general hygiene measures when handling chemicals. Do not inhale gases / fumes / aerosols. Apply with adequate ventilation. Avoid contact with eyes and skin. Preventive skin protection is recommended. Immediately take off clothing soiled by the product. Clean work areas regularly. Provide showers and eye wash facilities. Do not eat, drink or smoke while working. Keep away from foodstuffs, beverages and feed.

Additional instructions for the layout of technical installations

Observe the instructions in section 7.

Personal protective equipment:

Respiratory protection

If exposure by inhalation above the limit value permitted for workplaces cannot be excluded, suitable respiratory protection must be worn. Suitable respiratory equipment: air-independent respiratory protective device in accordance with recognised standards such as EN 137.

The wearing time limit for respiratory protection equipment as well as the manufacturer's instructions must be observed.

Protection of the eyes

very tightly fitting safety goggles .

Hand protection

Protective gloves are required at all times when handling the material, in accordance with recognised standards such as EN374.

Recommended glove material: Safety gloves made of butylcaoutchouc
Material thickness > 0.5 mm
Breakthrough time: > 480 min

Recommended glove material: Safety gloves made of nitrile rubber
Material thickness > 0.4 mm
Breakthrough time: 10 - 30 min

Observe the regulations on permeability and soak time as provided by the supplier of the gloves. Also take into account specific local conditions of use, such as danger of cuts, wear and contact time. Please note that, in practice, the daily duration of use of chemical protective gloves is significantly shorter than the permeation time determined in tests, due to the many factors influencing it (e.g. temperature).

Protection of the body

When handling without protection: Chemical protective clothing, if necessary full-body waterproof protection. Please follow the supplier's instructions regarding breakthrough time.

8.2.2 Control of environmental exposure

Do not allow to enter surface water, waste water or soil.

SECTION 9: Physical and chemical properties

9.1Information on basic physical and chemical properties

Feature:	Value:	Method:
Prevent		
Physical state	: liquid	
Colour	: colourless dark	
Odour		
Odour	: pleasant	
Odour threshold		
Odour threshold	: no data available	
pH-Value		
pH-Value	: Not applicable. Reacts with water.	
Melting/freezing point		
Melting point / melting range	: expires	
Initial boiling point and boiling range		
Boiling point / boiling range	: 180 °C at 1013 hPa	(EC-RL.A.2)
Flash point		
Flash point	: 40 °C	(ISO 3679)
Flammability	: > 110 °C	(ISO 9038)
Evaporation rate		
Evaporation rate	: no data available	
Upper/lower flammability or explosive limits		
Lower explosion limit	: expires	
Upper explosion limit	: expires	
Vapour pressure		
Vapour pressure	: 43 hPa / 20 °C	(EC-RL.A.4)
Solubility		

Degree of water solubility	: Not applicable. Reacts with water.	
Vapour density		
Relative gas/vapour density.....	: No data available.	
Relative density		
Relative density	: 1,03 (25 °C) (Water / 4 °C = 1,00)	(DIN 51757)
Density	: 1.03 g/cm³ (25 °C)	(DIN 51757)
Partition coefficient: n-octanol/water		
Partition coefficient: n-octanol/water	: No data available.	
Auto-ignition temperature		
Ignition temperature	: 300 °C	(DIN 51794)
Decomposition temperature		
Thermal decomposition	: no data available	
Viscosity		
Viscosity (kinematic)	: 14 mm²/s at 25 °C	(DIN 51562)
Molecular mass		
Molecular mass	: not applicable	

9.2 Other information

Solubility in water: Hydrolytic decomposition occurs. Explosion limits for released methanol: 5.5 - 44 vol-%. pH value: Product is neutral.

SECTION 10: Stability and reactivity

10.1 - 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions

No dangerous reactions known under proper storage and use.

Relevant data may be found in other parts of this section.

10.4 Conditions to avoid

Moisture, heat, open flames and other sources of ignition.

10.5 Incompatible materials

Reacts with water, alkaline substances and acids. The reaction takes place under formation of methanol.

10.6 Hazardous decomposition products

Methanol is formed by hydrolysis. Measurements have shown that at temperatures of approx. 150 °C and higher, a small amount of formaldehyde is split off by oxidative degradation.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Acute toxicity

Assessment:

With similar products, no evidence of a specific risk in aerosol inhalation was found in animal studies. Aerosol inhalation should nevertheless be avoided.

Product data:

Route of exposure	Result/Activity	Example/test system	Source
inhalative (aerosol)	LC50: > 240 ml/h; 4 h No mortality in a room temperature heavily enriched or saturated atmosphere.	Rat	Analogy decision

Acute toxicity estimate (ATE):

ATE_{mix} (Oral): > 2000 mg/kg

ATE_{mix} (dermal): > 2000 mg/kg

11.1.2 Skin corrosion/irritation

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.3 Serious eye damage/eye irritation

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.4 Respiratory tract/skin sensitisation

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.5 Mutagenicity in germ cells

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.6 Carcinogenicity

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.7 Reproductive toxicity

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.8 Specific target organ toxicity by single exposure

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.9 Specific target organ toxicity for repeated exposure

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.10 Aspiration hazard

Assessment:

No toxicological study data for the entire product are available for this endpoint.

11.1.11 Additional toxicological advice

Hydrolysis product / impurity: Methanol (CAS 67-56-1) was well and quickly absorbed in all exposure routes and is toxic independent of the route of absorption. Methanol may cause irritation of mucous membranes, nausea, vomiting, headache, dizziness and vision impairment, as well as blindness (irreversible optic nerve damage), acidosis, muscle spasms and coma. After exposure, these effects may be delayed.

SECTION 12: Ecological information

12.1 Toxicity

Assessment:

No adverse effects on aquatic organisms are to be expected. Based on experience to date, no adverse effects in sewage treatment plants are to be expected.

12.2 Persistence and degradability

Assessment:

Reacts with water forming methanol and silanol and/or siloxanol compounds. Silicon content: Non-biodegradable. Elimination by adsorption in activated sludge. The hydrolysis product (methanol) is readily biodegradable.

12.3 Bioaccumulation

Assessment:

Bioaccumulation not likely.

12.4 Mobility in soil

Assessment:

Silicone content: adsorbed by suspended matter. Separation by sedimentation.

12.5 Results of PBT and vPvB assessment

No data are available.

12.6 Other adverse effects

none known

SECTION 13: Instructions for disposal

13.1 Waste treatment methods

13.1.1 Product

Recommendation:
Material that cannot be reused or reprocessed must be disposed of by an authorised body in accordance with local, national and governmental regulations. Depending on the regulations, disposal methods may include landfill or incineration.

13.1.2 Uncleaned packaging

Recommendation:
Packagings should be emptied completely (free of any drips, dust, emptied with a spatula). Packagings should preferably be reused or recycled in accordance with local and/or national regulations. Packagings that cannot be cleaned should be treated like the substance itself.

13.1.3 Waste code no (EC)

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC), as it is only when the product is used that it can be assigned to the consumer. The waste code is to be determined within the EU in consultation with the disposal company.

SECTION 14: Information relating to carriage

14.1 - 14.4 UN number; Proper shipping name according to UN Model Regulations; Transport hazard class(es); Packing group

Road ADR: No hazardous goods

Rating..... :

No hazardous goods

Railway RID:

Rating..... :

Transport by sea IMDG-Code:
Appreciation.....
. : No dangerous goods

Transport by air ICAO-TI/IATA-DGR:
Appreciation.....
. : No dangerous goods

14.5 Environmental hazards

Environmentally hazardous: no

14.6 Special precautions for user

Road transport: Not a hazardous substance of class 3 - ADR/RID 2.2.3.1.1 Bem. 1 - This substance does not cause combustion!

Rail transport: Not a hazardous substance of class 3 - ADR/RID 2.2.3.1.1 Bem. 1 - This substance does not cause combustion!

Maritime transport: Not Class 3 dangerous goods - IMDG 2.3.1.3 - This substance does not cause combustion!

Air transport: Not a hazardous substance of Class 3 - IATA 3.3.1.3 / ICAO 3.1.3 - This substance does not cause combustion! For safety reasons, do not transport air in containers (IBC) or ventilated packaging!

Please pay attention to relevant data in other paragraphs.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Bulk transport in tankers is not envisaged.

SECTION 15: Regulations

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture

National and local regulations must be observed.

Information on the licence plate can be found in chapter 2 of this document.

Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances (Seveso III):

Mention in Directive	No. in the list	Threshold 1	Threshold 2
FLAMMABLE LIQUIDS	P5c	5.000 t	50.000 t

Other regulations, restrictions and prohibitions:

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: Not applicable

Regulation (EU) No 2019/1148 on the marketing and use of explosives precursors - ANNEX I. EXPLOSIVE PRECURSORS LIMITED: Not applicable

Regulation (EU) No 2019/1148 on the marketing and use of explosives precursors - ANNEX II. EXPLOSIVE PRECURSORS TO BE NOTIFIED: Not applicable.

Data relating to International Registration Status

If relevant data are available for the individual substance inventories, these are indicated below.

New Zealand ..... : **NZIoC** (New Zealand Inventory of Chemicals):
This product is listed in or is in conformity with the substance inventory. (For Additional information is required to correctly interpret the registration status, such as classification as a hazardous substance or possibly a Group Standard).

Australia ..... : **AIIC** (Australian Inventory of Industrial Chemicals):
This product is mentioned in or is in accordance with the dust inventory.

China ..... : **IECSC** (Inventory of Existing Chemical Substances in China):
This product is mentioned in or is in accordance with the dust inventory.

Canada ..... : **DSL** (Domestic Substance List):
This product is mentioned in or is in accordance with the dust inventory.

Philippines ..... : **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):
This product is mentioned in or is in accordance with the dust inventory.

United States of America (USA) ..... : **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or are present in in accordance with the inventory of chemical substances.

Taiwan ..... **TCSI** (Taiwan Chemical Substance Inventory):
This product is included in or in accordance with the inventory of chemical substances. General note: The Taiwanese ordinance on chemical substances requires a phase 1 registration for substances listed in or in compliance with the TCSI if imported into Taiwan or at the time of the production in Taiwan exceeds the threshold quantity of 100 kg/year (for mixtures, this must be calculated per component). It is the task of the importing/producing legal entity to take care of this obligation.

European Economic Area (EEA) ..... : **REACH** (Regulation (EC) No 1907/2006):
General note: Registration obligations under the manufacturing in or imports into the EEA by the suppliers referred to in paragraph 1, the are met by them. Registration obligations under the import to the EEA by customers or downstream users will be affected by these be met.

South Korea (Republic of Korea) ..... : **AREC** (Registration and Evaluation of Chemicals Act; "K-") REACH"):
For more detailed information, please contact your regular contact.

15.2 Chemical safety assessment

The result of the chemical safety assessment does not require exposition scenarios and uses to be listed in the safety data sheet.

SECTION 16: Other information

16.1 Product

The information contained in this document is based on the state of our knowledge at the time of revision. They do not constitute a statement about the properties of the product described within the meaning of the legal warranty regulations.

The provision of this document does not relieve the purchaser of the product of his responsibility to observe the applicable laws and regulations relating to the product. This applies in particular to the further sale of the product or mixtures or articles made with it in other jurisdictions, as well as to industrial property rights of third parties. If the product described is processed or mixed with other materials, the data in this document cannot be transferred to the product thus manufactured unless this is expressly stated. If the product is repackaged, the customer is responsible for enclosing the applicable safety information.

Sobeltec restricts the use of its products within the human body or in contact with body fluids and mucous membranes. Please refer to our Health Care Policy at www.ariomat.com for more information. Sobeltec can cancel any delivery commitment if the Health Policy is not adhered to.

16.2 Additional instructions:

Commas in numerical data stand for the decimal point. Vertical stripes on the left-hand edge indicate changes from the previous version. This version replaces all previous versions.

Explanation of the GHS classification code:

STOT SE 3; H335 ..... Specific target organ toxicity - single exposure Category 3; May cause irritation to the respiratory tract cause.
STOT SE 3; H336 ..... Specific target organ toxicity - single exposure Category 3; May cause drowsiness or dizziness cause.
Eye Dam. 1; H318 ..... : Serious eye damage/eye irritation Category 1; Causes serious eye damage.
Flam. Liq. 3; H226 ..... : Flammable liquids Category 3; Flammable liquid and vapour.
Skin Irrit. 2; H315 ..... : Skin corrosion/irritation Category 2; Causes skin irritation.
STOT SE 1; H370 ..... Specific target organ toxicity - single exposure Category 1; Causes damage to organs.
Acute Tox. 3; H331 .... : Acute Toxicity Category 3; Toxic by inhalation.
Acute Tox. 3; H311 .... : Acute Toxicity Category 3; Toxic in contact with skin.
Acute Tox. 3; H301 .... : Acute toxicity Category 3; Toxic if swallowed.
Flam. Liq. 2; H225 ..... Flammable liquids Category 2; Highly flammable liquid and vapour.

Categorisation	Explanation:
Flammable liquids, Category 3	Based on test data.

Serious eye damage/eye irritation, Category 2	Calculation method

- End of Safety Data Sheet -