



Safety Data Sheet VEL MIX Stone (White & Pink)

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

1.1. Product identifier

Product name : VEL MIX Stone (White & Pink)

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

Relevant identified uses

Main use category : Professional use

Function or use category : Preparation intended for dental technical applications

Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

KERRHAWE S.A.
Via Strecce n°4
6934 Bioggio (Switzerland)
T 00-800-41-050-505

Contact person : safety@kavokerr.com - tel. 00-800-41-050-505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number : CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

Country	Organisation/Company	Address	Emergency number
Gibraltar	GHA Call Centre Zone 2, Level3, St Bernard's Hospital	Harbour Views Road	+350 200 79700 +350 200 72266
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504
United Kingdom	National Poisons Information Service (Newcastle Unit)	Claremont Place Newcastle-upon-Tyne, Newcastle	+44 191 2606182/+44 191 2606180 24H

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification : Dust may cause painful eye irritation and tearing. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Calcium sulfate dihydrate	(CAS-No.) 10101-41-4 (REACH-no) 01-2119488953-20	< 1	Not classified
titanium dioxide	(CAS-No.) 13463-67-7;13463-67-7 (EC-No.) 236-675-5 (REACH-no) 01-2119489379-17	< 0.5	Not classified
ironoxide	(CAS-No.) 1309-37-1 (EC-No.) 215-168-2 (REACH-no) 01-2119457614-35	< 0.5	Not classified

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures**

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician if you feel unwell.

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

- Symptoms/effects : In all cases of doubt, or when symptoms persist, seek medical attention.
- Symptoms/effects after inhalation : Dust from this product may cause irritation to the respiratory tract.
- Symptoms/effects after eye contact : Dust from this product may cause eye irritation.

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

No specific measures identified.

SECTION 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing media**

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Non-flammable.
- Explosion hazard : Product is not explosive.
- Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Sulphur oxides. calcium oxide.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper personal protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

- General measures : Concerning personal protective equipment to use, see section 8. Do not breathe dust. Avoid dust formation.

For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Methods for cleaning up : On land, sweep or shovel into suitable containers. Large spills: scoop solid spill into closing containers. Minimize generation of dust.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Precautions for safe handling : Use personal protective equipment as required. Avoid dust formation. Do not breathe dust.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed. Store in original container. Store in dry protected location to prevent any moisture contact.

Incompatible materials : reducing materials. Acids.

Storage area : Store in a well-ventilated place.

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Calcium sulfate dihydrate (10101-41-4)		
Ireland	Local name	Gypsum
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
United Kingdom	Local name	Gypsum
United Kingdom	WEL TWA (mg/m ³)	10 mg/m ³ inhalable dust 4 mg/m ³ respirable
titanium dioxide (13463-67-7;13463-67-7)		
EU	Local name	Titanium dioxide
EU	Notes	SCOEL Recommendations (Ongoing)
Ireland	Local name	Titanium dioxide
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
United Kingdom	Local name	Titanium dioxide
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³ respirable 10 mg/m ³ total inhalable
ironoxide (1309-37-1)		
Ireland	Local name	Iron oxide, fume (as Fe)
Ireland	OEL (8 hours ref) (mg/m ³)	5 mg/m ³ 10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Ireland	OEL (15 min ref) (mg/m ³)	10 mg/m ³
United Kingdom	Local name	Iron oxide
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³ fume (as Fe) 4 mg/m ³ Rouge, respirable 10 mg/m ³ Rouge, total inhalable
United Kingdom	WEL STEL (mg/m ³)	10 mg/m ³ fume (as Fe)

Exposure limit values for the other components

inert or nuisance dust, inhalable			
Ireland	OEL (8 hours ref) (mg/m ³)	10 mg/m ³	
United Kingdom	WEL STEL (mg/m ³)	10 mg/m ³	
dust, respirable			

dust, respirable			
Ireland	Local name	Dusts non-specific respirable	
Ireland	OEL (8 hours ref) (mg/m ³)	4 mg/m ³	
United Kingdom	WEL TWA (mg/m ³)	4 mg/m ³	

8.2. Exposure controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Hand protection	: Not required for normal conditions of use
Eye protection	: In case of dust production: protective goggles. STANDARD EN 166.
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: Dust production: dust mask with filter type P2. Standard EN 143.
Other information	: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: white. pink.
Odour	: odourless.
Odour threshold	: Not determined
pH	: Not determined
pH solution	: 6 - 9
Relative evaporation rate (butylacetate=1)	: Not determined
Melting point	: Not determined
Freezing point	: Not determined
Boiling point	: Not determined
Flash point	: Not determined
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Not determined
Vapour pressure	: Not determined
Relative vapour density at 20 °C	: Not determined
Relative density	: Not determined
Density	: 2.3 - 2.7 g/cm ³
Solubility	: In water, material soluble. Water: 0.2 - 1 g/100ml
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Product is not explosive.
Oxidising properties	: Non flammable.
Explosive limits	: Not determined

9.2. Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No polymerization.

10.4. Conditions to avoid

Heat. No flames, no sparks. Eliminate all sources of ignition. Water, humidity.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity : Not classified
Based on available data, the classification criteria are not met

Calcium sulfate dihydrate (10101-41-4)	
LD50 oral rat	> 3000 mg/kg
titanium dioxide (13463-67-7;13463-67-7)	
LD50 oral rat	> 100000 mg/kg
ironoxide (1309-37-1)	
LD50 oral rat	> 10000 mg/kg

Skin corrosion/irritation : Not classified
Based on available data, the classification criteria are not met
Repeated exposure may cause skin dryness or cracking
pH: Not determined

Serious eye damage/irritation : Not classified
Based on available data, the classification criteria are not met
Dust from this product may cause eye irritation
pH: Not determined

Respiratory or skin sensitisation : Not classified
Based on available data, the classification criteria are not met

Germ cell mutagenicity : Not classified
Based on available data, the classification criteria are not met

Carcinogenicity : Not classified
Based on available data, the classification criteria are not met

Reproductive toxicity : Not classified
Based on available data, the classification criteria are not met

STOT-single exposure : Not classified
Based on available data, the classification criteria are not met
Dust from this product may cause irritation to the respiratory tract

STOT-repeated exposure : Not classified
Based on available data, the classification criteria are not met

Aspiration hazard : Not classified
Based on available data, the classification criteria are not met

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Calcium sulfate dihydrate (10101-41-4)	
LC50 fish 1	876 mg/l <i>Lepomis macrochirus</i> (Bluegill)
EC50 Daphnia 1	30000 mg/l
titanium dioxide (13463-67-7;13463-67-7)	
LC50 fish 1	> 1000 mg/l <i>Fundulus heteroclitus</i>
EC50 Daphnia 1	> 1000 mg/l (48 hours - <i>Daphnia magna</i>)
ironoxide (1309-37-1)	
LC50 fish 1	> 1000 mg/kg 96 h <i>Leuciscus idus</i> (golden orfe)
LC50 other aquatic organisms 1	> 5000 mg/kg (24 hours - <i>Pseudomonas fluorescens</i>)

12.2. Persistence and degradability

VEL MIX Stone (White & Pink)	
Persistence and degradability	No data available.

12.3. Bioaccumulative potential

VEL MIX Stone (White & Pink)	
Log Pow	Not determined
Bioaccumulative potential	No data.

12.4. Mobility in soil

VEL MIX Stone (White & Pink)	
Ecology - soil	Hardens in contact with water.

12.5. Results of PBT and vPvB assessment

VEL MIX Stone (White & Pink)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6. Other adverse effects

Other adverse effects	: None to our knowledge.
Additional information	: No other effects known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Regional legislation (waste)	: Non-hazardous waste.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose of contents/container to a hazardous or special waste collection point. Avoid release to the environment.
European List of Waste (LoW) code	: 18 01 07 - chemicals other than those mentioned in 18 01 06

SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number	Not regulated for transport
14.2. UN proper shipping name	
14.3. Transport hazard class(es)	
14.4. Packing group	
14.5. Environmental hazards	
No supplementary information available	

14.6. Special precautions for user**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU-Regulations**

Contains no REACH substances with Annex XVII restrictions
 Contains no substance on the REACH candidate list
 Contains no REACH Annex XIV substances

National regulations

EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
 Ordinance on the Reduction of Risks relating to the Use of Certain Particularly Dangerous Substances, Preparations and Articles (Chemical Risk Reduction Ordinance, ORRChem, RS 814.81), Federal Act on Protection against Dangerous Substances and Preparations (Chemicals Act,

ChemA, RS 813.1), Ordinance on the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Chemicals in International Trade (PIC Ordinance, ChemPICO, RS 814.82)
 Ordinance on Protection against Dangerous Substances and Preparations (Chemicals Ordinance, ChemO, CC 813.11)
 Ordinance on protecting young workers (822.115.2)
 Federal Act on Medicinal Products and Medical Devices (Therapeutic Products Act, TPA, CC 812.21)
 Legislation on worker protection (822.11)
 Ordinance on maternity protection (822.111.52)
 DETEC Ordinance on Lists for the Movements of Waste (SR 814.610.1)
 Technical Ordinance on Waste (814.600)
 Federal Act on the Protection of the Environment (Environmental Protection Act, EPA, CC 814.01)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION

Indication of changes:

1.3	Contact email address	Updated	
1.3	Manufacturer	Removed	

Data sources : EC-regulation 2015/830 /EC, 1907/2006/EC (REACH), 1272/2008/EC (CLP), 790/2009/EC. Transport of dangerous goods (ADR/RID, IMDG, IATA/ICAO). Workplace exposure limits.
 Date of issue : 27/11/2013
 Revision date : 12/08/2019
 Supersedes : 10/03/2017
 Version : 3.2

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.