

SAFETY DATA SHEET

imprEssix

0290-FD-MSDS-005

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

Product identifier

Product name : imprEssix
Product type : Alginate based powder, dustfree.

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

Identified uses : Dental impression material.

Details of the supplier of the safety data sheet

Nationalcontact

DENTSPLY Raintree Essix
7290 26th Court East,
Sarasota, FL 34243
USA

Phone: 1-800-883-8733 (Product Information)
sales@essix.com

Nationaladvisorybody/PoisonCenter/Emergencytelephonenumber

Telephone number : 1-800-424-9300 (CHEMTREC, account number CCN721860)

SECTION 2: Hazards identification

Classification of the substance or mixture

Product definition : Powder.
See Section 16 for the full text of the R phrases or H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

Label elements

Europe

Supplemental label elements : Not applicable.

Other hazards

Other hazards which do not result in classification : None.
Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII : Not applicable.
Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : Not applicable.

SECTION 3: Composition/information on ingredients

Substance/mixture : Powder.

Product/ingredient name	Identifiers	Classification			Type
		%	67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Europe					
Tetra Sodium Pyrophosphate	CAS: 7722-88-5 EC: 231-767-1	0-3	Xn; R22 Xi; R41	H302, H318	-
Potassium Hexafluorotitanate	CAS: 16919-27-0 EC: 240-969-9	1-3	Xn; R20/21/22 Xi; R41	H302, H318	-
		See Section 16 for the full text of the R-phrases declared above.		See Section 16 for the full text of the H statements declared above.	

Type

1: Occupational exposure limits, if available, are listed in Section 8. No dangerous substances are released.

SECTION 4: First aid measures

Description of first aid measures

- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Inhalation** : Not applicable.
- Skin contact** : Flush contaminated skin with plenty of water.
- Ingestion** : No known significant effects or critical hazards. If you feel unwell, seek medical attention.
- Protection of first-aiders** : Not applicable.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Irritating to eyes.
- Inhalation** : The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with paraffines.
- Skin contact** : Non-irritating (EU).
- Ingestion** : No known significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Not considered to be toxic to humans.
- Specific treatments** : Not applicable.

SECTION 5: Firefighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : No known significant effects or critical hazards.
- Hazardous thermal decomposition products** : Fluoride salt, carbon oxides (CO, CO₂)

Advice for firefighters

- Special protective actions for fire-fighters** : In a fire, decomposition may produce toxic gases/fumes.
- Special protective equipment for fire-fighters** : Wear appropriate respiratory protection.
- Additional information** : Non-flammable mixture.



SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Prevent formation of dust.
- For emergency responders** : Prevent formation of dust.
- Environmental precautions** : Avoid release to the environment.

Methods and materials for containment and cleaning up

- Small spill** : Use a shovel to transfer the material to a convenient waste disposal container.
- Large spill** : Avoid creating dusty conditions and prevent wind dispersal. Wear appropriate respiratory protection. Use a shovel to transfer the material to a convenient waste disposal container.

- Reference to other sections** : See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.



SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Precautions for safe handling

- Protective measures** : Prevent formation of dust.
- Advice on general occupational hygiene** : Store in a dry place.
- Conditions for safe storage, including any incompatibilities** : No specific storage is required.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Control parametersOccupational exposure limits

Product/ingredient name	Exposure limit values
Europe No exposure limit value known.	

Recommended monitoring procedures : Not applicable.

DNELs/DMELs : No DNELs/DMELs available.

PNECs : No PNECs available.

Exposure controls

Appropriate engineering controls : Prevent formation of dust.

Individual protection measures

Hygiene measures : Not applicable.

Eye/face protection : Safety glasses.

Skin protection

Hand protection : Nitrile gloves.

Body protection : Lab coat.

Other skin protection : No known significant effects or critical hazards.

Respiratory protection : A respirator is not needed under normal and intended conditions of product use.

Environmental exposure controls : Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**Appearance

Physical state : Solid. (Powder.)

Color : Rose.

Odor : Fruity.

pH : Not available.

Melting point/freezing point : No results available.

Initial boiling point and boiling range : No results available.

Flash point : No flammable ingredients present.

Relative density : 2 gr/ml

Solubility in water : Partially soluble in cold water.

Auto-ignition temperature : No flammable ingredients present.

Decomposition temperature : No results available.

Viscosity : Testing not technically possible.

Oxidizing properties : Not applicable.

Other information : No additional information.

SECTION 10: Stability and reactivity

Reactivity	: No additional information.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: None.
Conditions to avoid	: None.
Incompatible materials	: No specific data.
Hazardous decomposition products	: None.

SECTION 11: Toxicological information

Information on toxicological effects

<u>Acutetoxicity</u>	: Very low toxicity to humans or animals.
<u>Irritation/Corrosion</u>	: Based on available data, the classification criteria are not met.
<u>Sensitization</u>	: Based on available data, the classification criteria are not met.
<u>Mutagenicity</u>	: Based on available data, the classification criteria are not met.
<u>Carcinogenicity</u>	: Based on available data, the classification criteria are not met.
<u>Reproductivetoxicity</u>	: Based on available data, the classification criteria are not met.
<u>Teratogenicity</u>	: Based on available data, the classification criteria are not met.

Potentialacutehealtheffects

Eye contact	: Irritating to eyes.
Inhalation	: The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with paraffines.
Skin contact	: Non-irritating (EU).
Ingestion	: No known significant effects or critical hazards.
<u>Potentialchronichealtheffects</u>	: No known significant effects or critical hazards.
Other information	: No additional information.

SECTION 12: Ecological information

Toxicity	: No results available.
Persistence and degradability	: No results available.
Bioaccumulative potential	: No results available.
Mobility in soil	: Not available.
Results of PBT and vPvB assessment	
PBT	: Not applicable.
vPvB	: Not applicable.
Other adverse effects	: No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Waste treatment methods

<u>Product</u>	
Methods of disposal	: Use a shovel to transfer the material to a convenient waste disposal container.
Hazardous waste	: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.
<u>Packaging</u>	
Methods of disposal	: Use a shovel to transfer the material to a convenient waste disposal container.
Special precautions	: Avoid breathing dust.

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SECTION 14: Transport information				
	ADR/RID	ADN	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class (es)	Not controlled under European ADR.	Not controlled under ADN (Europe).	Not controlled under IMDG.	Not controlled under IATA.
Packing group	-	-	-	-
Environmental hazards	-	-	-	-
Additional information	-	-	-	-

Special precautions for user : No special measures are required.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

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

[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorization](#)

[Substances of very high concern](#)

None of the components are listed.

[National regulations](#)

Not applicable.

Chemical Safety Assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 vPvB = Very Persistent and Very Bioaccumulative

[Procedure used to derive the classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

Classification	Justification
Not classified.	

Europe

Full text of abbreviated H statements

: H302 - Harmful if swallowed.
 H318 - Causes serious eye damage.

Full text of classifications [CLP/GHS]

: H302 - ACUTE TOXICITY: ORAL Category 4.
 H318 - IRRITANT Category 1.

Full text of abbreviated R phrases

: R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
 R41 - Risk of serious damage to eyes.

Full text of classifications [DSD/DPD]

: Xn - Harmful
 Xi - Irritant

SECTION 16: Other information

Date of printing : 08-JUN-2015.
Date of issue/ Date of revision : 08-JUN-2015.
Date of previous issue : 24-2-2014.
Version : 2

Noticetoreader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.