

SAFETY DATA SHEET

MARK3

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

Product identifier

Product name : MARK3
Other means of identification :
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

National contact

Cargus International Inc.
 135 North Route 9W
 Congers, N.Y. 10920
 Tel: 845-267-2600
 Fax: 845-510-3191
 Email: bryan@cargus.com
 http://www.cargus.com
 contact person: Bryan Markiet

National advisory body/Poison Center/Emergency telephone number

Telephone number : (001) 845-267-2600 (Office hours)

SECTION 2: Hazards identification

Classification of the substance or mixture

Product definition : Powder.

See Section 11 for more detailed information on health effects and symptoms.

Label elements

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	
			Regulation (EC) No. 1272/2008 [CLP]	Type
Europe CAS: 7722-88-5 EC: 231-767-1 CAS: 16919-27-0 EC: 240-969-9	0.5-1.0 Tetra Sodium Pyrophosphate 2-5 Potassium Hexafluorotitanate	- -	H302, H318 H302, H318	
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.

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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.

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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 parameters

Occupational 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** : Peppermint-like.
- 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 g/cm³.
- 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.

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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

- Acute toxicity** : Very low toxicity to humans or animals.
- Irritation/Corrosion** : Based on available data, the classification criteria are not met.
- Sensitization** : Based on available data, the classification criteria are not met.
- Mutagenicity** : Based on available data, the classification criteria are not met.
- Carcinogenicity** : Based on available data, the classification criteria are not met.
- Reproductive toxicity** : Based on available data, the classification criteria are not met.
- Teratogenicity** : Based on available data, the classification criteria are not met.

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.

Potential chronic health effects : 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

Product

- 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 does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

Packaging

- 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.

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SECTION 16: Other information

Version : 2

[Notice to reader](#)

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.