SAFETY DATA SHEET

Issued on 2018-08-23
Revised on -

1. IDENTIFICATION

Product Identifier	FLASH Pearl
Recommended use of the chemical and restrictions on use	Dental material. For use only by dental professionals.
Details of the supplier of the safety data sheet	NAKANISHI INC.
Address	700 Shimohinata Kanuma-shi Tochigi 322-8666, Japan
TEL	+81(0)289-64-3380

2. HAZARDS IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of § 1910.1200

Specific target organ toxicity (repeated exposure) Category 1 (blood)

GHS Label Elements

Symbols

Signal Word	Danger
Hazard Statements	H372 Causes damage to organs(blood) through prolonged or repeated exposure
Precautionary Statements	
Prevention	Do not breathe dust.(P260) Wash thoroughly after handling.(P264) Do not eat, drink or smoke when using this product(P270)
Response	Get medical advice/attention if you feel unwell(P314)
Disposal	Dispose of contents/ container to an approved landfill.(P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	Contents	CAS number
Calcium carbonate	96%	471-34-1
Calcium fluoride	0.5%	7789-75-5
Calcium nitrate	0.5%	10124-37-5
Ammonium nitrate	1.5%	6484-52-2
Tribasic calcium phosphate	0.5%	7758-87-4
Strontium carbonate	1%	1633-05-2

4. FIRST-AID MEASURES

In case of inhalation	Call a POISON CENTER or doctor / physician if you feel unwell.
In case of skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice and attention.

In case of eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of ingestion	Rinse mouth. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

5. FIRE-FIGHTING MEASURES

Suitable exitinguishing media	Use extinguishing agent suitable for type of surrounding fire. When dust occurs, use dry sand.
Specific hazards arising from the chemical	Risk of producing harmful gases such as carbon monoxide and sulfur oxides. Avoid inhalation of smoke or gases
Special protective equipment and precautions for fire-fighters	Use goggles in combination with dust mask, and another protections as appropriate to situation.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use goggles in combination with dust mask, and another protections as appropriate to situation. Large spills :Evacuate area. Ensure adequate ventilation.
Environmental precautions	Do not discharge into the drains, surface waters or ground water directly.
Methods and materials for containment and cleaning up	Large spills :Evacuate area. in case of fine powder Sweep or vacuum spills to drums or containers. Prevent dispersion of dust. in case of fine powder Use explosion-proof electrical equipment and prevent from static electrocity. small spill : abeorb with material such as non-combustible materialwash thoroughly after handling Surround it with a fill to prevent spillage, guide it to a safe area and collect it to a drum etc. Cautiously neutralize with dilute acid if necessary When neutralizing, be cautious of heating and fuming.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical measures	Use local exhaust ventilation in case of production of fume or mist. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Safe handling advice	Do not breathe dust/fume/gas/mist/vapours/spray.

Conditions for safe storage, including any incompatibilities

Suitable storage conditions	Store in well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

	ACGIH (TLV)	OSHA (PEL)	Exposure Limits
Calcium fluoride	Not established	2.5 mg/m3 TWA (as F);	2.5 mg/m3 TWA (as F)

Appropriate engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Use explosion-proof electrical equipment and prevent from static electrocity.
Use local exhaust ventilation in case of production of fume or mist.

Individual protection measures

- Respiratory protection: If necessary, wear respiratory protection.
- Hand protection: If necessary,wear protective gloves.
- Eye protection: If necessary,wear protective eye protection.
- Skin and body protection: If necessary,wear protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Solid
Color	white
Odor	odorless
Odor threshold	No data available
pH	8.5(10%)
Melting point	No data available
Boiling point	No data available
Flash point	Not ignited
Evaporation rate	No data available
Flammability(Solid,Gas)	Non combustible
Flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Specific Gravity (Density)	No data available
Solubility	Non-water-soluble
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	Non combustible
Decomposition temperature	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity	No information available
Chemical stability	Stable under normal conditions of use.
Possibility of hazardous reactions	No information available
Conditions to avoid	No information available
Incompatible materials	No information available
Hazardous decomposition products	No information available

11. TOXICOLOGICAL INFORMATION

Acute toxicity (Oral): Not classified:10124-37-5 (source: NITE), 6484-52-2 (source: NITE)
No data:471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None)

Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.

Acute toxicity (Dermal)	Not classified:6484-52-2 (source: NITE) No data:10124-37-5 (source: None), 471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None) Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Acute toxicity (Inhalation : Gases)	Does not fall under gas based on GHS definitions.
Acute toxicity (Inhalation : Vapours)	Unable to classify due to insufficient data.
Acute toxicity (Inhalation : dust/mist)	Not classified:6484-52-2 (source: NITE) No data:10124-37-5 (source: None), 471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None) Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Skin corrosion/ Irritation	Not classified:6484-52-2 (source: NITE) No data:10124-37-5 (source: None), 471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None) Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Serious eye damage/ irritation	Category 2A:6484-52-2 (source: NITE) No data:10124-37-5 (source: None), 471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None) Substances classified as hazardous are below the concentration limit. Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.
Respiratory Sensitization	Unable to classify due to insufficient data.
Skin Sensitization	Unable to classify due to insufficient data.
Germ cell mutagenicity	Unable to classify due to insufficient data.
Carcinogenicity	Unable to classify due to insufficient data.
Reproductive toxicity	Unable to classify due to insufficient data.
Reproductive toxicity, effects on or via lactation	Unable to classify due to insufficient data.
Specific target organ toxicity - Single exposure	Category 1:10124-37-5 (organ = blood, source: NITE) No data:6484-52-2 (source: None), 471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None) Substances classified as hazardous are below the concentration limit. Contains substance of unknown toxicity. Changed from Not classified to Classification not possible.

Specific target organ toxicity – Repeated exposure	Category 1:10124-37-5 (organ = blood, source: NITE), 6484-52-2 (organ = blood, source: NITE) No data:471-34-1 (source: None), 7758-87-4 (source: None), 7789-75-5 (source: None), 1633-05-2 (source: None) 6484-52-2 >= 1% Classification result = Category 1(blood)
Aspiration hazard	Unable to classify due to insufficient data.

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Residual Waste	Before disposal, make the wastes harmless, stabilized, and neutralized, and minimize danger and toxicity of the wastes. Dispose of waste in accordance with local,state and federal regulations.
Contaminated Container and Packaging	Passed to a licensed waste contractor. In case of disposal of empty containers, remove the content thoroughly.

14. TRANSPORT INFORMATION

IMDG	Not dangerous goods
IATA	Not dangerous goods
DOT	Not dangerous goods

15. REGULATORY INFORMATION

U.S. – RTK (Right To Know) List	New Jersey – RTK (Right to Know) – Hazardous Substance List Pennsylvania – RTK (Right to Know) List Massachusetts – RTK (Right To Know) List
Inventory	TSCA – United States ENCS – Japan KECI – Korea IECSC – China DSL – Canada PICCS – Philippines AICS – Australia EINECS – European Union TCSI – Taiwan NZIoC – New Zealand

16. OTHER INFORMATION

Literature References	NITE GHS EU CLP Regulation, AnnexVI
Other data	The information suggested in this Safety Data Sheet does not comprehend everything and should be adopted only as a guide. The accuracy of the information and recommendations suggested herein are credible. However the company makes no warranty regarding such information and recommendations and disclaims all liability for reliance thereon.

National Fire Protection Association(U.S.A)

Health	0
Flammability	0
Reactivity	0
Specific hazard	Not applicable

HMIS(U.S.A)

Health Hazard	*3
Fire Hazard	0
Reactivity	0
Personal Protection	The customer is responsible for determining the PPE code for this material