Material Safety Data Sheet

1. Product and Company Information

Product description : FLASH Pearl

Application : For removal of dental plaque, stains and tartar on teeth.

Company

Address : 700 Shimohinata Kanuma-shi, Tochigi, 322-8666, Japan

Dept. : Quality Assurance Dept.

TEL : +81(0)289-64-3380

FAX : +81(0)289-62-9738

Order code : T798500

Reference No. : NSK-002-1

2. Composition/Content of Product

No.	Contents	CAS-NO	Weight t%	Danger class./Cmnt.
1	Calcium carbonate calculated	471-34-1	ca. 94%	
2	Calcium fluoride	7789-76-6	<0.5%	
3	Calcium nitrate	10124-37-5	<0.5%	○
4	Ammonium nitrate	6484-52-2	<2.0%	
5	Tribasic calcium phosphate	7758-87-4	<0.5%	
6	Strontium carbonate	1633-05-2	<1.5%	

Interpretation : T+ = Very toxic, T = Toxic, C = Corrosive, Xn = Harmful, Xi = Irritant, IK = Not classified,
E = Explosive, O = Oxidizing, F+ = Extremely flammable, F = Very flammable, Fo = Flammable,
N = Dang. to the environment, Mut = Geneotoxic, Sens = Sensitizing, Carc = Carcinogenic,
Repr = Causes birth defects

3. Hazard and Toxicity Information

The product does not require labeling.

Hourly-average per day is within 0.1mg/m^3, and hourly -average is within 0.20mg/m^3.

4. First Aid

General

Similar to other dust nuisance; may cause irritation effects.

Move the sufferer to fresh air, keep him/her warm and at rest.

Inhalation

Similar to other dust nuisance; may cause irritation to the respiratory tract.

Move the sufferer to fresh air, keep him/her warm and at rest.

Skin Contact

Wash skin thoroughly with soap and water.

Eye Contact

Flush with large amounts of water (open eyelids) for at least 15 minutes. Get medical advice if irritation persists.

Ingestion

Give him/her plenty of water or milk to drink.

5. Fire Fighting Measures

Proper Firefighting Equipment

Use extinguishing media appropriate for surrounding fire.

Fire and Explosion Hazards

The product is not combustible.

6. Accidental Release Measures

Safety Measurements to Protect Persons

Wear protective laboratory glasses.

Safety Measurement to Protect Environment

N/A

Proper Methods for Damage Limitation and Cleanup

Use mechanical handling equipment. Collect it in a dry container. Finally, flush the area with water.

7. Handling and Storage

Storage

Store it in a dry place.

8. Exposure Control/Protective Action

TWA : 0.1mg/m^3 or less

Exposure Control

Wash with water.

Respiratory Protection

Wear a dust-protective mask.

Eye Protection

Wear protective laboratory glasses.

Hand Protection

N/A

Skin Protection

N/A

9. Physical and Chemical Properties

Form	:	Powder
Color	:	Grayish
Odor	:	Odorless
Solubility	:	Slightly soluble in water. Soluble in acids.
Density	:	ca. 2.5g/cm^3
pH solution	:	ca. 8.5 (10%)

10. Stability and Reactivity

Materials to Avoid

May ignite upon contact with fluorine gas.

Hazardous Decomposition Products

Calcium oxide and carbon dioxide are formed upon heating / reaction with acids.

11. Toxicological Information

General

Similar to other dust nuisance; may cause irritation effects.

Inhalation

Similar to other dust nuisance; may cause irritation to the respiratory tract.

Skin Contact

In rare cases powder may irritate skin.

Eye Contact

Similar to other dust nuisance; may cause irritation effects.

Ingestion

May cause irritation.

12. Environmental Impact Information

Mobility

Slowly soluble in water.

Breakdown

Mineralizes.

Accumulation

Does not bioaccumulate.

Others

There are no specific environmental data for the product. Release to water systems will cause a slight increase in alkalinity.

13. Disposal

Not classified as hazardous waste.

14. Transport Information

Proper Shipment

ADR (by road)
RID (by rail)
IMDG (by sea)
IATA (by air)

15. Applicable Laws and Regulations

1) Fire Defense Law Hazardous Material
2) PRTR Non-Hazardous Material
3) Environmental Quality Standards Regarding Air Pollution (Environment Agency Notification No.25)

16. Other Information

Reference

1) Recommendation of Occupational Exposure Limits (2008-2009), Japan Society of Occupational Health, J Occup Health, 2007 ; 50 : 426-443

This MSDS was prepared based on the documents/information currently available to NSK, however, there is no guarantee of the data/evaluation included in it. The information should be consulted in normal use of the FLASH Pearl. If you use it specially, please take appropriate measures for the application/use.