



Safety Data Sheet (ISO-11014-1) for

NSK Prophy-Mate Cleaning Powder

Date of issue 2004-8-20 Rev.1

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Identification of the substance or preparation

Trade name: Prophy-Mate Cleaning powder —Order No.Y900-052

1.2 Company/ undertaking identification

Company name: NAKANISHI INC.

Address: 700 Shimohinata Kanuma-shi Tochigi-ken Japan

Postal code: 322-8666

Telephone: Country code+ 289-64-3380

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1.3 Purpose and area of application

Cleaning powder for NSK Prophy-Mate

1.4 Packaging information

Cardboard box containing disposable bags.

1.5 User information

See cardboard box and printing on bags.

2 COMPOSITION/ INFORMATION ON INGREDIENTS

2.1 Chemical characterization

Chemical Formula: NaHCO_3

Official Publication No.: (1)-164, (1)-310 (in Japan)

CAS No.: 144-55-8

TSCA Registry: 144-55-8

EINECS No.: 205-633-8

3 HAZARDS TO MAN AND THE ENVIRONMENT

3.1 Hazards identification

Not applicable

3.2 Special danger notes for man and the environment

Not applicable

3.3 Main symptoms

Not applicable

2004/8/22



4 FIRST AID MEASURES

4.1 General notes

Special measurements are not required.

4.2 Following inhalation

Fresh air, consult a physician in case of discomfort.

4.3 Following skin contact

Immediately wash off with water and soap and rinse well.

4.4 Following eye contact

- Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open until no evidence of chemical remains.
- Get medical attention immediately.

4.5 Following ingestion

Consult a physician if discomfort persists.

5 FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media

Adapt fire-fighting measures to environment. CO₂, fire extinguishing powder or water spray jet. Fight more extensive fires with water spray jet or alcohol-resistant foam.

5.2 Unsuitable extinguishing media

Solid water jet.

5.3 Special protective equipment for firefighters

Special measurements are not required.

6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions

Not required

6.2 Environmental precautions

Special measurements are not required.

6.3 Method for clean up

Mechanical clean-up.

7 HANDLING AND STORAGE

7.1 Technical measures for handling

Special measurements are not required.

7.2 Precautions and prevention of user exposure

Special measurements are not required.



7.3 Precautions and prevention of fire and exposure

Special measurements are not required.

7.4 Technical measures for storage

Special measurements are not required.

7.5 Conditions for storage rooms

Store in cool, dry and dark area.

7.6 Incompatible products

Do not store together with acids.

7.7 Further information on storage conditions

Keep away from moisture

8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Engineering measures to reduce expose

No further information, see item7

8.2 Personal protection equipment

Respiratory protection Short-term filter device.

Hand protection Not required.

Eye protection Safety goggles.

Skin and body protection Not required.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance

Form: Powder

Color: White

Odour: Odourless

9.2 Safety-related data

pH concentration 0.5mol dm⁻³ Aqueous solution: 8.15 at 30°C

Boiling point and boiling range Not determined

Decomposition temperature 50°C

Flash point Not applicable

Autoignition temperature Not applicable

Explosion properties Not applicable

Density 2.20-2.22

Solubility in water 9.6g/100g water at 20°C

11.1g/100g water at 30°C

10 STABILITY AND REACTIVITY

10.1 Conditions to avoid

No decomposition when used for intended purpose.

10.2 Materials to avoid

No avoid materials

10.3 Hazardous decomposition products

No hazardous decomposition products are known.

11 TOXICOLOGICAL INFORMATION

11.1 Acute toxicity

Dosage	Animal	Toxicity mg/kg	
ORAL	Rat	LD ₅₀	4,220
	Infant	TLD ₀	1,260

LD₅₀: Lethal dose, 50 percent kill

TLD₀: Tolerable lethal dose

11.2 Chronic toxicity

Animal	Dosage	Symptom
Mouse	15,000–20,000mg/L (2,200–2,900mg/kg/day)	Thirst, diarrhoea and growth interference

12 ECOLOGICAL INFORMATION

12.1 Fish toxicity

Aquatic Organism	Test Method	TLm (mg/L)	
Fresh-water fish	Static bioassay (acute)	4day	9,000

TLm: Tolerable median lethal concentration

13 DISPOSAL CONSIDERATIONS

13.1 Recommended disposal

Usually flush with water.

14 TRANSPORT INFORMATION

14.1 Land(RID/ADR, DoT 49 CFR)

Not applicable

14.2 Inland waterways(ADNR)

Not applicable

14.3 Sea(IMDA)

Not applicable



14.4 Air(ICAOTI, IATA-DGR)

Not applicable

14.5 Further information on transport

No dangerous goods within the meaning of the named transport regulations.

15 REGULATORY INFORMATION

15.1 National provisions

Classification according to VbF and resulting labeling: Not applicable.

16 OTHER INFORMATION

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