



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

Fax: Country code+289-62-5636

#### **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:  $\text{NaHCO}_3$

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. CO<sub>2</sub>, 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 item 7

### 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<sup>-3</sup> 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 <sub>50</sub>	4,220
	Infant	TLD <sub>0</sub>	1,260

LD<sub>50</sub>: Lethal dose, 50 percent kill

TLD<sub>0</sub>: 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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