# SAFETY DATA SHEET

# 1. Product and Company Information

**Product Name** : Musaibo Kun N 1000

Company : Taiyo Nippon Sanso Corporation Street Address : 1-3-26 Koyama Shinagawa-ku City, State, Zip, : Tokyo, 142-8558, JAPAN

Country

**Technical Phone** : +81(3)5439-5898 **FAX** : +81(3)5439-5883

#### 2. Hazards Identification

Classification of the substance : Not a hazardous substance or mixture according to Regulation (EC) No

or mixture 1272/2008.

Label elements Not a hazardous substance or mixture according to Regulation (EC) No

1272/2008.

PictogramNo data availableSignal word: No data availableHazard statement(s): No data availablePrecautionary: No data available

statement(s)

Other hazards : None.

#### 3. Substances

Chemical Name	:	L-Glutamic Acid Potassium	Creatine Phosphate Disodium	HEPES	Sodium Azide
Content (%)	:	3.7	2. 1	1.4	0.05
Chemical Formula		C5H8KNO4	C4H8N3Na205P	C8H18N2O4S	NaN3
Molecular Weight		185.22	255. 08	238. 30	65. 01
Official Gazette Number		-	-	-	1-482
Poisonous and Deleterious Substances Control Law		Not applicable	Not applicable	Not applicable	Not applicable %1
PRTR Law		Not applicable	Not applicable	Not applicable	Not applicable
CAS No.		540778-10-7	19333-65-4	7365-45-9	26628-22-8

<sup>\*1</sup> Classified as a toxic designated substance under the Poisonous and Deleterious Substances Control Law, but exempted as the content is less than 0.1%.

# 4. First Aid Measures

**General advice** : Show this material safety data sheet to the doctor in attendance.

If inhaled : After inhalation: fresh air.

**In case of skin contact**: In case of skin contact: Take off immediately all contaminated clothing.

Rinse skin with water/ shower.

In case of eye contact : After eye contact: rinse out with plenty of water. Remove contact lenses.

If swallowed : After swallowing: make victim drink water (two glasses at most). Consult

doctor if feeling unwell.

Most important symptoms: The most important known symptoms and effects are described in the

and effects, both acute and labelling (see section 2.2) and/or in section 11



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delayed

Indication of any immediate : No data available

medical attention and special

treatment needed

**5.** Fire Fighting Measures

**Extinguishing media** Water, carbon dioxide, powder fire extinguishing agent, etc.

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and

the surrounding environment.

**Unsuitable extinguishing** 

media

: For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from :

the substance or mixture

Not combustible.

Advice for firefighters

: In the event of fire, wear self-contained breathing apparatus.

Further information : Prevent fire extinguishing water from contaminating surface water or the

ground water system.

6. Accidental Release Measures

Personal precautions, protective equipment and

Advice for non-emergency personnel: Do not breathe gas. Avoid substance

contact.

**emergency procedures** Ensure adequate ventilation. Evacuate the danger area, observe emergency

procedures, consult an expert.

For personal protection see section 8. Do not let product enter drains.

**Environmental precautions** 

Methods and materials for : Cover d

containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material

restrictions

(see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected

area. Avoid

generation of dusts.

**Reference to other sections**: For disposal see section 13.

7. Handling and Storage

**Precautions for safe**: To avoid contact with eyes and skin.

handling

**Storage conditions** : Store at  $-80\pm2^{\circ}$ C.

**Specific end use(s)** : Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure Controls/Personal Protection

**Control** Ingredients with workplace control parameters

parameters

**Exposure controls** :

Personal Eye/face protection : Use equipment for eye protection tested and approved under

**protective** appropriate

equipment government standards such as NIOSH (US) or EN 166(EU).

Safety glasses

**Skin protection** : Chemical-resistant gloves

**Body Protection**: Rubber or impervious shoes, rubber or impervious protective

clothing



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Respiratory protection: Required when vapours/mists are generated. Our

recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory

protection system.

Recommended Filter type: Filter type ABEK

The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according

to the instructions of the producer.

These measures have to be properly documented.

Control of : Do not let product enter drains.

environmental exposure

# 9. Information on Basic Physical and Chemical Properties

**Appearance** : liquid

Odor : Pale yellow

Odor Threshold : No data available pH : No data available Melting point : No data available

/freezing point

**Initial boiling point and** : No data available

boiling range

Flash point : No data available
Evaporation rate : No data available
Flammability : No data available

(solid, gas)

**Upper/lower** : No data available

flammability or explosive limits

Vapor pressure: No data availableVapor density: No data availableRelative density: No data availableWater solubility: No data availablePartition coefficient:: No data available

n-octanol/water

**Autoignition** : No data available

temperature

**Decomposition** : No data available

temperature

Viscosity : Viscosity, kinematic: No data available

Viscosity, dynamic: No data available

Explosive properties : No data available
Oxidizing properties : No data available
Other : No data available

safety information

# 10. Stability and Reactivity

**Reactivity** : No data available

**Chemical stability**: The product is chemically stable under standard ambient conditions.

**Possibility** : No data available

of hazardous reactions

**Conditions to avoid** : no information available

**Incompatible materials** : No data available

**Hazardous** decomposition: Carbon dioxide, carbon monoxide, nitrogen oxides, phosphoric acid

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# 11. Toxicological Information

### Information on toxicological effects

### **Acute toxicity**

No data available

#### Skin corrosion/irritation

No data available

# Serious eye damage/eye irritation

No data available

### Respiratory or skin sensitization

No data available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

No data available

### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

# Specific target organ toxicity - repeated exposure

No data available

# **Aspiration hazard**

No data available

# **Environmental Haz Acute Aquatic Toxicity**

No data available

### **Environmental Haz Chronic Aquatic Toxicity**

No data available

#### **Additional Information**

Not available

#### 12. Ecological Information

Toxicity : No data available
Persistence : No data available

and degradability

**Bioaccumulative potential** : No data available **Mobility in soil** : No data available

Results of PBT and vPvB:

assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very

bioaccumulative (vPvB) at levels of 0.1% or higher.

Other adverse effects : No data available

# 13. Waste Treatment Methods

Residual Waste:

Dispose of after inactivation treatment, such as autoclaving.

Contaminated Containers and Packaging:

When discarding empty containers, dispose of after inactivation treatment, such as autoclaving

# 14. Transport Information

UN number : ADR/RID: - IMDG: - IATA: -

UN proper shipping name : ADR/RID: Not dangerous goods

IMDG: Not dangerous goods IATA: Not dangerous goods

Transport hazard class(es) : ADR/RID: - IMDG: - IATA: Packaging group : ADR/RID: - IMDG: - IATA: -



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: ADR/RID: no IMDG Marine pollutant: no IATA: no **Environmental hazards** 

**Special precautions for user** : No data available

#### 15. Regulatory Information

Safety, health and Environmental: regulations/legislation specific for

the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations

Take note of Dir 94/33/EC on the protection of young people at

work.

**Chemical Safety Assessment** : For this product a chemical safety assessment was not carried out

#### 16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Taiyo Nippon Sanso Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.