

Safety Data Sheet (SDS)

Issued: Oct.10.2002
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1. PRODUCT AND COMPANY INFORMATION

Product Name: Neorika (Stabilized Sodium Hypochlorite)

Sodium Hypochlorite: 100~200ppm

Food Additives Standard: No.15070191001(Jul.22.2015)

Supplier Name: MID Co., Ltd.

Supplier Address: 301-7 Miyashita, Fuji City, Shizuoka Prf. 416-0947 Japan

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Recommended Use: Disinfecting /Deodorizing

2. HAZARDS IDENTIFICATION

GHS Classification:

Physicochemical Hazards :

Explosives: N/A

Combustible/Flammable Gas: N/A

Combustible/Flammable Aerosol: N/A

Combustion-supporting/oxidizing Gas: N/A

High-pressure Gas: N/A

Flammable Liquid: N/C

Combustible Solids: N/A

Self-reactive Substances: N/C

Pyrophoric Liquids: N/C

Pyrophoric Solids: N/A

Self-heating Substances: N/C

Water-reactive Combustible Substances: N/A

Oxidizing Liquids: N/A

Oxidizing Solids: N/A

Organic Peroxides: N/A

Metal Corrosion: N/C

(※ N/C=Not Classified; N/A=Not Applicable)

Hazards to Health:

Acute Toxicity (Oral): N/C

Acute Toxicity (Percutaneous): N/C

Acute Toxicity (Inhalation: Gas): N/A

Acute Toxicity (Inhalation: Vapor): N/A

Acute Toxicity (Inhalation: Dust/Mist): N/A

Serious Eye Damage /Eye Irritation: N/C

Skin Corrosion / Irritation: N/C

Respiratory Sensitization: N/A

Skin Sensitization: N/A

Germ-cell Mutagenicity: N/C

Carcinogenicity: N/C

Reproductive Toxicity: N/C

Specific Target Organ/Systemic Toxicity (Single Exposure) : N/C

Specific Target Organ/Systemic Toxicity (Repeated Exposure) : N/A

Aspiration Hazards: N/A

Environmental Hazards:

Aquatic Environmental Hazards (Acute): Category 4

Aquatic Environmental Hazards (Chronic): Category 4

Ozone Layer Hazards: N/A

GHS Label Elements:

Pictures Indication/Symbols: None

Warning Statements: Not Specified

Hazardous Information:

No hazardousness to aquatic life unless using the product in large quantity

Instructions [Safety Measure] :

Close the Container tightly /Don't dump it into the river or sea.

Emergency Treatment

In case of eye contact, flush with fresh water

It doesn't matter even if it stained on your skin or your hair,

Inhalation : No problem

Storage

Close the container tightly

Disposal

Flush the product diluted with water by 20 times down the drain.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Materials:

Single /Mixture: Mixture

Chemical Name: Sodium Hypochlorite

Concentration: 0.01%

Chemical Formula: NaOCl

Components and Contents:

Components/ Chemical Name	Contents	CAS No.	CSCL No.	Industrial Safety and Health Act No.	PRTR No.	Poisonous and Deleterious Substances Control No.
Sodium Hypochlorite	0.01~0.02%	7681- 52-9	N/A	N/A	N/A	N/A

4 Emergency Treatment

In case of eye contact: Flush with water.

If getting on your skin: Nothing happens.

If Inhaled: Nothing happens.

If swallowed: Wash out your mouth.

Predicted Acute Symptoms and Late Phase Symptoms: None

5 FIRE FIGHTING MEASURES

Fire Extinguisher: Noninflammable

Specific Fire Extinguishing Method: N/A

Protection for Fire Fighters : N/A

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Rinse off the spill areas with plenty water.

Be careful not to drain diluted water into river or ocean.

Environmental Precautions:

Do not discharge to rivers before diluted it with a large amount of water.

Containment and Purification Methods/Materials:

If it leaks in large quantity, diluted with a large amount of water.

Preventive Measures for Secondary Disasters: Not specified

7 HANDLING AND STORAGE

Handling Precautions:

Technical Measures: Not specified

Warnings:

Chlorine gas may leak out, so don't mix with acid, even with a very small quantity of it.

Precautions for Safety Handling:

Close the container tightly, and keep it out of the places where the rays of the sun are hitting or the places of high temperature.

Safety Packaging Container Material: Not specified, but you'd better to store it in a UV cut polyethylene or polyvinyl chloride container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Concentration Control: Not Specified

Acceptable Concentration: Not Specified

Measures for Equipment: Not Specified
Personal Protective Equipment: Not Specified
Measures for Sanitation: Not Specified

9 PHYSICOCHEMICAL PROPERTIES

Appearance: Colorless and Transparent
Physical State: Liquid
Odor: Odorless
Solubility: 100%
Melting Point: N/A
Boiling Point/Initial Boiling Point/Boiling Range: Dissolves when heated
Density (Specific Gravity): 1.00
PH: 9.6~10.8
Flash Point: Noninflammable
Temperature of Spontaneous Combustion: Noninflammable
Range of Explosion: N/A
Steam Pressure: N/A
Temperature of Decomposition: N/A
Evaporating Temperature: N/A
Flammability: N/A
Viscosity: N/A

10 STABILITY AND REACTIVITY

Stability: It's stable in an ordinary condition, but in the sunlight, it will be dissolved gradually and then lose available chlorine.

Possibility of Hazardous Reactions:

A very small amount of chlorine gas may be generated when reacted with weak acid/strong acid.

Conditions to Avoid:

Avoid to use metal containers

Mixture of Hazardous Substances:

A very small amount of chlorine gas may be generated by mixing with acid.

Hazardous Decomposing Products:

A very small amount of chlorine gas may be generated by mixing with acid.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:

Oral of Rat: LD50 = 8910 mg/kg (Patty, 2001), >5,000mg/kg (IUCLID, 2000) → N/A

Skin of Rat: LD50 > 1000mg/kg (IUCLID, 2000) → N/C

Inhalation (Vapor) of Rat: LD50 > 10.5mg/L (IUCLID, 2000) → N/C

Skin Corrosion/Irritation:

There is a score of irritation of erythema and edema (OECD TG404) by a test on rabbit, but the density can be ignored, so it's not classified(N/C).

Serious Eyes Damage /Eyes Irritation:

There is a score of irritation of erythema and edema (OECD TG404) resulted from a test on rabbit, but the density can be ignored, so it's not classified(N/C).

Respiratory Sensitization: No information

Skin Sensitization: No information

Original Generative Cell Variation :

The result of the chromosomal aberration test (IARC, 1991) using rabbit's bone marrow is negative, so it's not classified(N/C).

Carcinogenicity :

IARC is classified for Group 3, so it's not classified(N/C).

Reproductive Toxicity:

There is no influence on the mother's reproductive capability and the fetal rabbit found from the reproductive test of the rabbit for the 7th generation using oral administration. → N/C

Specific Target Organ/Systemic Toxicity (Single Exposure):

It is recorded (HSDB, 2003) that a cough, a choke, respiratory tract irritation, or edema of the lungs may be caused by the inhalation of mist. But it's not classified(N/C) because of low-density,

Specific Target Organ/Systemic Toxicity (Repeated Exposure):

It's not recognized weight change resulted from the test of the rabbit's drinking-water during 6 weeks, and weight change of the kidney, caused by a forced oral dosage of the rabbit during two weeks, so it's not classified(N/C)

Aspiration Hazards: No information

12 ECOLOGICAL INFORMATION

Toxicity:

Aquatic Environmental Toxicity(acute):

Because the chlorine concentration of Crustacea (Daphnia Pulex) is 24h-EC50=0.005mg/L, do not drain it into the rivers directly even though you dilute it with a large quantity of water.

Aquatic Environmental Toxicity(chronic):

There is no influence unless you drain it for a long term into the river, the ocean, etc.,

Persistence and Degradability:

Some of this product left, but it will react with organic substances later.

Mobility in Soil: N/A

Ecology Accumulation: N/A

13 DISPOSAL CONSIDERATIONS

Disposal:

Flush the product diluted with water by more than 20 times down the drain.

Polluted Containers and Packages:

Recycle the containers after cleaning.

14 TRANSPORT INFORMATION

International Restrictions (IMDG): N/A

UN Number: N/A

Product Name (UN Transporting Name): Stabilized Sodium Hypochlorite)

Sodium Hypochlorite: 100~200ppm

UN Classification: N/A

Container Classification: N/A

Sea Pollutant: N/A

ICAO-TI:

In principal, it's prohibited to discharge the products including Stabilized Sodium Hypochlorite.

Domestic Restrictions:

Land Transportation: N/A

Marine Transportation:

Safety Measures: N/A

Obey the general rules as stated in clause 7 (Precautions of Handling and Storage).

Avoid not to drop or fall the containers.

Prevent the containers from high temperature.

Class: N/A

Container: N/A

15 REGULATORY INFORMATION

Industrial Safety and Health Law: N/A

PRTR Law: N/A

Poisonous and Deleterious Substances Control Law: N/A

Fire Service Act: N/A

Ship Safety Law: N/A

Civil Aeronautics Act:

It's prohibited to discharge those products regarded as Corrosive substances

Marine Pollution Prevention Law : N/A

Water Pollution Control Law : N/A

16 OTHER INFORMATION (REFERENCES AND CITATIONS)

SDS of Blending Raw Material (Safety Data Sheet)

Data from Industrial Safety and Health Law → The Chemical Daily (2007)

Handbook of Danger and Harm of Chemical Substances → Japan Industrial Safety and Health Assoc.

Chemical Dictionary → Group Publisher

Chemical Substances Safety Data Book → Ohmsha,Ltd.

※N.B.

Since we didn't investigate all the information from documents or references, some may be not mentioned in this safety data sheet.

The items mentioned above only apply to the product mentioned here. Please make sure to take well-chosen safety measures for special use.

Therefore, this data sheet itself is not safety warranty.