

## 1 Product and company identification

Product Name: Granite surface plate cleaner GSC-1000Y  
Product code : 150642  
Company name: Niigata Seiki Co., Ltd.  
Address: 5-3-14 Tsukanome, Sanjo-city, Niigata, Japan  
Telephone: 81-256-33-5502 Facsimile: 81-256-33-5558  
Recommended use and restriction of use: Cleaner for Granite surface plate

## 2 Hazards Identification

GHS classification

Physicochemical hazards Not classification or Not classified

Toxicological health effects Refer information of material [11. Toxicological Information]

\* Items not listed above are Not classification or Not classified

Label elements

Symbols (Pictograms)



Signal Word

Danger

Toxicological health effects

H316 Causes mild skin irritation

H317 May cause an allergic skin reaction

H360 May damage fertility or the unborn child

H371 May cause damage to organs

H263 Avoid contact during pregnancy/while nursing

Instructions

P202 Do not handle until all safety precautions have been read and understood

Precaution

P261 Do not breathe dust/fume/gas/mist/vapors/spray

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well-ventilated area

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves

First-aid measure

P305+P351+P338, P337+P313

If in eyes, wash with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If eye irritation persists : Get medical advice/attention

Storage

P405 Store locked up

Disposal

P501 Dispose of contents/container should be in accordance with local and prefecture regulations

## 3 Composition and Information on Ingredients

Single Substance or Compound: Compound

Material name:	wt.%
Linear alkyl benzene sulfonic acid and salts (C=10-14)	2.1%
Solubilizer	Not disclosed
Methanol	< 5%
Non-ionic surfactant	Not disclosed
Thickener	Not disclosed
pH regulator	< 1%
Preservative	< 1%
Deionized water	Balance

## 4 First-Aid Measures

If on skin

Wash the skin with running water or shower. Wash contaminated clothing before reuse  
If irritation occurs with the cleaner remaining on the skin, get medical advice/attention

If in eyes

Wash with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

If swallowed

Rinse mouth. Get medical advice/attention if you feel unwell

Expected acute and tardive symptom, most important sign and symptoms No information  
 Symptoms and most important signs and symptoms No information  
 First-aid protection When rescuing the sufferer, wear appropriate protective equipment according to the situation

5 Fire-Fighting Measures

Extinguishing media: General fire extinguishers such as water, foam, powder, CO<sub>2</sub> etc. can be used  
 Specific methods of fire-fighting: This product is nonflammable, but in case fire in the surroundings, move the products to a safe place immediately. If it cannot be moved, spray water from the upwind side to the container and its surroundings to cooling  
 Protection for firefighters: Firefighters should wear appropriate protective clothing and avoid inhalation of the smoke

6 Accidental Release Measures

Personal precautions: Wear protective equipment, such as protective glasses, rubber gloves, rubber boots and protective clothing, if necessary  
 Environmental precautions: Avoid discharging the product to the storm water drainage ditch, river or sea  
 Methods for removal: Collect the product in an empty container as much as possible with a squeegee or other tool  
 After collecting, or if some of the product remains, wash it away with plenty of water

7 Handling and Storage Precautions

Handling Technical measures: Take the facility measures specified in 「8. Exposure controls and Personal Protection」, and wear protective equipment  
 Precautions for safe handling: Read and understand all safety precautions before handling  
 Avoid inhalation of mist, vapor and spray.  
 Avoid contact with eyes. Avoid inhalation and swallowing.  
 Contact avoidance: Refer to 「10. Stability and Reactivity」  
 Storage Technical measures: Store the product in the place with a floor structure that does not allow water to enter or permeate into the floor surface. The floor of the storage place must have a structure that does not allow hazardous substances to permeate, and be ramped appropriately and equipped  
 Incompatible materials: Refer to 「10. Stability and Reactivity」  
 Storage conditions: Keep the container tightly sealed and away from children  
 Container packaging materials: Polypropylene, Polyethylene, Glasses

8 Exposure Controls and Personal Protection

Control concentration Not established

Material name	Permissible concentration (exposure limit, biological exposure index)	
	Japan Society for Occupational Health	ACGIH
Linear alkyl benzene sulfonic acid and salts	Not established (2007 ver.)	Not established (2007 ver.)
Solubilizer	Not established	Not established
Methanol	200ppm 260mg/m <sup>3</sup> (percutaneous absorption) (2009 ver.)	TWA 200ppm STEL250ppm Skin (2009 ver.)
Non-ionic surfactant (containing diethanolamine)	Not established	1mg/m <sup>3</sup> (TWA) (ACGIH 2009) (as diethanolamine)
Thickener	Not established	Not established
Preservative	Not established	Not established

Facility measures Install an eye washer and equipment for body cleaning near the handling place  
 Indicate the location of the washer and equipment clearly  
 Protective equipment  
 Hand protection Wear appropriate protective gloves. (rubber gloves, etc.)  
 Eye protection: Wear appropriate eye protection equipment. (protective glasses)  
 Skin and body protection: Wear appropriate protective clothing, boots, apron, etc.  
 Hygiene measures: Do not eat, drink, or smoke while handling this product  
 Wash hands thoroughly after handling

9 Physical and Chemical Properties

Physical state, form, color: Liquid Transparent or light yellow  
 Odor: Slight raw material odor  
 pH: 6.0 to 8.0 (undiluted solution)  
 Flashpoint: Nonflammable  
 Solubility: Water-soluble  
 \* Items not listed are "no data"

10 Stability and Reactivity

Chemical stability: Stable in normal conditions of use  
 Possibility of hazardous reactions: Stable and has no hazardous reaction known in normal conditions of use  
 Conditions to avoid: Storage at a temperature of 40°C or higher, direct sunlight, open state  
 Incompatible materials: None  
 Hazardous decomposition products: None

11 Toxicological Information

Information for the materials

Material name	Toxicity class	Toxicity category	Route of exposure	Target organs
Linear alkylbenzene sulfonic acid and salts (C=10-14)	Acute toxicity	Category 4	Ingestion	
	Skin corrosive/irritation	Category 2		
	Serious eyes damage/eyes irritation	Category 2A		
	Skin sensitization	Category 1		
	Target organs /systemic toxicity (single exposure)	Category 3		Respiratory tract irritation
Solubilizer	Not applicable			
Methanol	Acute toxicity	Category 4	Ingestion	
	Serious eyes damage/eyes irritation	Category 2		
	Reproduction toxicity	Category 1B		
	Target organs /systemic toxicity (single exposure)	Category 1		Central nervous system, optic organ, systemic toxicity
	Target organs /systemic toxicity (repeated exposure)	Category 3		Anesthetic action
Non-ionic surfactant	Target organs /systemic toxicity (single exposure)	Category 1		Liver
	Target organs /systemic toxicity (single exposure)	Category 3		Anesthetic action
	Target organs /systemic toxicity (repeated exposure)	Category 2		Liver, kidneys, blood, central nervous system
Thickener	Serious eyes damage/eyes irritation	Category 2B		
Preservative	No applicable due to the content (less than 0.1%)			

- \* Acute toxicity (oral) of the product was determined as "Not classified" due to 5,000<ATEmix.
- \* Skin corrosive/irritation of the product was determined as "Category 3" due to 10%> substances of skin category II ≥1.0%.
- \* Serious eyes damage/eyes irritation of the product was determined as "Not classified" due to substances of eye category 2/2A <10%.
- \* Sensitization of the product was determined as "Category 1" due to substances with skin sensitization ≥1.0%.
- \* Reproduction toxicity of the product was determined as "Category 1" due to substances of reproduction toxicity category 1 ≥0.3%.
- \* Specific target organs/systemic toxicity (single exposure) was "Not classified" as Category 1 (central nervous system, optic organ, systemic toxicity, liver) and only classified as Category 3 (respiratory tract irritation, anesthetic action) because the content is less than the concentration limit (1.0%).
- \* Specific target organs/systemic toxicity (repeated exposure) was "Not classified" as either Category 1 (central nervous system, optic organ) or Category 2 (liver, kidneys, blood) because the content is less than the concentration limit (1.0%).

12 Ecological Information	
No information for the product	
Information for the materials	
Aquatic environmental toxicity: acute	Determined as "Not classified" due to Acute II $\leq 25\%$ , $(M \times 10 \times \text{Acute II}) + (M \times \text{Acute III}) \leq 25\%$
Aquatic environmental toxicity: chronic	Classification not possible because the data is insufficient
13 Disposal Consideration	
Residues:	In case of a small amount, dilute it with plenty of water and then discharge it
Contaminated packaging:	In case of a large amount, outsource to a professional industrial waste disposal company. Dispose of the empty container after removing the content completely
14 Transport Information	
International Marine transport:	Non-dangerous goods
Air transport:	Non-dangerous goods
Domestic Rail and road transport:	No specific restriction
Marine transport:	Non-dangerous goods
Air transport:	Non-dangerous goods
Specific safety measures:	Before transportation, check the container for breakage, corrosion, and leak. Perform loading and unloading operations and handle the load carefully so as not to damage the container. Avoid overturn, fall-down and damage when loading and take measures to prevent load collapse. Avoid transportation under direct sunlight. Avoid exposure to water.
15 Regulatory Information	
Fire service Act (Japan):	Not classified as dangerous goods
Industrial Safety and Health Act (Japan):	Dangerous or Harmful Substances Whose Names, etc. Should Be Indicated (Article 57 (1), Order for Enforcement Article 18) (Cabinet Order No. 9-560) Dangerous or Harmful Substances Whose Names, etc. Should Be Notified (Article 57 (2), Order for Enforcement Article 18-2 Appended Table 9) (Cabinet Order No.9-560)
Poisonous and Deleterious substances Control Act: (Japan):	Not applicable
PRTR (Japan): Pollutant Release and Transfer Register Law	Class 1 Designated Chemical Substances (Article 2 (2), Order for Enforcement Article 1 Appended Table1) Linear alkylbenzene sulfonic acid and salts (having an alkyl group carbon number of 10 to 14 or its mixture)
Chemical Substances Control Law (Japan):	Priority assessment chemical substance No. 140
16 Other Information	
The above information is based on our present materials information and data. This product is designed for specific industrial use only. Make sure to use this product only for intended purpose and use in the correct way of using specified by our company. Refer to the SDS and catalog before use, and make sure to handle the product after reading and understanding all safety precautions. All chemicals may have unknown hazards and must be handled with extreme care. This sheet is based on the best possible information we can obtain, and shall not constitute a guarantee for the completeness or correctness of the information	
Disaster cases	No information