

20W/V% Sodium gluconate solution

Hayashi Pure Chemical Ind.,Ltd.

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SDS code: N6-06

Version: 05

Safety Data Sheet

1. Chemical product and company identification

Product name SDS code	:	20W/V% Sodium gluconate solution N6-06
Company/undertaking identification HAYASHI PURE CHEMICAI Address : 3-2-12 Uchihiran Telephone : 06-6910-7305 E-mail : shiyaku_kikaku@h URL : https://www.hpc-j.co.	oma pc-j	ichi, Chuo-ku, Osaka, Osaka, Japan
Emergency number	:	06-6910-7305
Recommended use	·	For research and experimental use only.
Restrictions on use	:	Do not use on a human body or for animal medicines, foods, household products, cosmetics, etc.

2. Hazards identification

GHS classification

Physical hazards	Desensitized explosives	classification not possible
T Trysloar nazaras	Explosives	classification not possible
	Flammable gases	No classification
	Aerosol	classification not possible
	Oxidizing gases	No classification
	Gases under pressure	No classification
	Flammable liquids	classification not possible
	Flammable solids	No classification
	Self-reactive substances and	classification not possible
	mixtures	classification not possible
	Pyrophoric liquids	classification not possible
	Pyrophoric solids	No classification
	Self-heating substances and mixtures	classification not possible
	Substances and mixtures which in contact with water emit flammable gases	classification not possible
	Oxidizing liquids	classification not possible
	Oxidizing solids	No classification
	Organic peroxides	classification not possible
	Corrosive to metals	classification not possible
Health hazards	Acute toxicity (oral)	classification not possible
	Acute toxicity (dermal)	classification not possible
	Acute toxicity (inhalation:gas)	classification not possible
	Acute toxicity (inhalation:vapors)	classification not possible
	Acute toxicity (inhalation:dust/mist)	classification not possible
	Skin corrosion/irritation	classification not possible
	Serious eye damage/eye irritation	classification not possible
	Respiratory sensitization	classification not possible
	Skin sensitization	classification not possible
	Germ cell mutagenicity	classification not possible
	Carcinogenicity	classification not possible
	Reproductive toxicity	classification not possible
	Specific target organ toxicity (single exposure)	classification not possible

	Specific target organ toxicity (repeated exposure)	classification not possible
	Aspiration hazard	classification not possible
Environmental hazards	Hazardous to the aquatic environment, short-term (acute)	classification not possible
	Hazardous to the aquatic environment, long-term (chronic)	classification not possible
	Hazardous to the ozone layer	classification not possible

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture

Name	Concentration or	Formula	Kanpo	CAS RN	
Name	Concentration range	Tornula	CSCL no	ISHL no	
Sodium gluconate	About 18.2%	C6H11NaO7	(2)-1410	Existing Chemical Substance	527-07-1
Water	About 81.8%	H2O	-	-	7732-18-5

The above concentration or concentration range are not product specification. All percentages listed in the above concentration or concentration range are wt%, unless otherwise specified.

4. First aid measures

First aid measures

First-aid measures after inhalation	:	Remove person to fresh air and keep comfortable for breathing.
		Get immediate medical advice/attention.
First-aid measures after skin	:	Remove/Take off immediately all contaminated clothing.
contact		Gently wash with plenty of soap and water.
		Get immediate medical advice/attention.
First-aid measures after eye contact	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
		Get immediate medical advice/attention.
First-aid measures after ingestion	:	Rinse mouth.
		Get immediate medical advice/attention.
5. Fire fighting measures		
Suitable extinguishing media	:	Use proper extinguishing media depending on peripheral fire.
Unsuitable extinguishing media	:	Do not use a heavy water stream.
Hazardous decomposition products in case of fire	:	In case of fire, product may produce irritative or toxic fumes/gases.
Firefighting instructions	:	If ignited, for the initial fire-fighting, cut off combustion sources, extinguish fire at a stroke using appropriate fire-extinguishers.
		In the case of peripheral fire, quickly remove movable containers to safe

fire at	a strol	ke using	app	ropi	riate fire	-е	xtingu	ishe	ers.			
In the places		f periph	eral	fire,	quickly	re	emove	mc	vable	со	ntainers	to safe
10												

If unable to be moved containers, sprinkle water to containers and surrounding equipment, etc. to cool.

Protection during firefighting	:	Wear appropriate fire-resistant clothing including self contained- compressed air breathing apparatus.
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6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures			
General measures	:	Wear appropriate personal protective devices to prevent inhalation and contact with eye, skin, and clothing, and never attempt to work on the lee.	
Environmental precautions			
Environmental precautions	:	Avoid release to the environment.	
		Prevent entry to sewers and public waters.	

Methods and Equipment for Containment and Cleaning up

Methods for cleaning up	:	Clean up any spills as soon as possible, using an absorbent material to collect it.
		Collect leaking and spilled liquid in sealable containers as far as possible.
		Wash out the spilled area with large amounts of water.

7. Handling and storage

Handling	
Technical measures	Work with appropriate personal protective equipment to prevent inhalation or contact to eyes, skin, and clothing.
	Handle with care to prevent leakage, overflowing, or scattering, minimize generation of mist or vapor, and thoroughly ventilate.
Precautions for safe handling	Do not eat, drink or smoke when using this product.
	Thoroughly wash your hands and gargle after handling.
	Ensure good ventilation of the work station.
	Do not contact, breathe or swallow.
Prevents handling of incompatible substances or mixtures	Avoid prolonged or repeated exposure.
Storage	
Storage conditions	Store in a well-ventilated place, away from direct sunlight. Keep contained tightly closed and keep away from fire and heat sources.
Material used in packaging/containers	Airtight container.
Technical measures	Comply with applicable regulations.
Storage temperature	Refrigerate

8. Exposure controls / Personal protection equipment

Appropriate engineering controls	: Cover up tightly the generation source at the handling place or install local exhaust equipment or overall ventilation equipment. Install safety showers and eye-fountains near a handling place. Clearly indicate the location.
Protective equipment	
Respiratory protection	: Protective mask
Hand protection	: Impervious protective gloves
Eye protection	: Protective glasses (general glasses, glasses with side-shields, goggles)
Skin and body protection	: Impervious aprons, Impervious work clothing, Impervious long boots

9. Physical and chemical properties

Physical state :	Liquid
Appearance :	Liquid
Color :	Almost colorless \sim very pale yellow transparent
Odor :	Odorless
pH :	6.9 (25°C)
Melting point :	No data available
Freezing point :	No data available
Boiling point :	No data available
Flash point :	No data available
Auto-ignition temperature :	No data available
Decomposition temperature :	No data available
Flammability :	No data available
Vapor pressure :	No data available
Relative density :	No data available
Density :	1.10 g/cm³ (20°C)
Relative gas density :	No data available
Solubility :	No data available
Partition coefficient n- : octanol/water (Log Pow)	No data available

Explosive limits (vol %)	:	No data available
Viscosity, kinematic	:	No data available
Particle characteristics	:	No data available

10. Stability and reactivity

Reactivity	:	No data available
Chemical stability	:	Stable under normal handling conditions. May become discolored due to light or heat.
Possibility of hazardous reactions	:	Reacts with strong oxidizing agents.
Conditions to avoid	:	Sunlight, heat. Contact with strong oxidizing agents.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	No data available

11. Toxicological information

The information in this section is based on the "GHS Classification Results" by NITE.

As a product				
Acute toxicity (oral)	classification not possible			
Acute toxicity (dermal)	classification not possible			
Acute toxicity (inhalation)	vapors:classification not possible			
	Gases:classification not possible			
Obie a suma sieve limite tieve	dust, mist:classification not possible			
Skin corrosion/irritation	classification not possible			
Serious eye damage/irritation Respiratory sensitization	classification not possible classification not possible			
Skin sensitization	classification not possible			
Germ cell mutagenicity	classification not possible			
Carcinogenicity	classification not possible			
Reproductive toxicity	classification not possible			
STOT-single exposure	classification not possible			
STOT-repeated exposure	classification not possible			
Aspiration hazard	classification not possible			
Sodium gluconate				
Acute toxicity (oral)	No data available			
Acute toxicity (dermal)	No data available			
Acute toxicity (gas)	No data available			
Acute toxicity (vapour)	No data available			
Acute toxicity (inhalation:dust/mist)	No data available			
Skin corrosion/irritation	No data available			
Serious eye damage/irritation	No data available			
Respiratory sensitization	No data available			
Skin sensitization	No data available			
Germ cell mutagenicity	No data available			
Carcinogenicity	No data available			
Reproductive toxicity	No data available			
STOT-single exposure	No data available			
STOT-repeated exposure	No data available			
Aspiration hazard	No data available			
Water	Water			
Acute toxicity (oral)	No classification			
Acute toxicity (dermal)	No classification			
Acute toxicity (gas)	No classification			
Acute toxicity (vapour)	No classification			
Acute toxicity (inhalation:dust/mist)	No classification			
Skin corrosion/irritation	No classification			
Serious eye damage/irritation	No classification			
Respiratory sensitization	No classification			
Skin sensitization	No classification			

Water			
Germ cell mutagenicity	No classification		
Carcinogenicity	No classification		
Reproductive toxicity	No classification		
STOT-single exposure	No classification		
STOT-repeated exposure	No classification		
Aspiration hazard	No classification		

12. Ecological information

The information in this section is based on the "GHS Classification Results" by NITE.

As a product			
Hazardous to the aquatic environment,	classification not possible		
short-term (acute)			
Hazardous to the aquatic environment,	classification not possible		
long-term (chronic)			
Persistence and degradability	No data available		
Bioaccumulative potential	No data available		
Mobility in soil	No data available		
Ozone	classification not possible		
Sodium gluconate			
Hazardous to Aquatic Environment -	No data available		
Acute Hazard			
Hazardous to Aquatic Environment -	No data available		
Chronic Hazard			
Persistence and degradability	No data available		
Bioaccumulative potential	No data available		
Mobility in soil	No data available		
Hazardous to the ozone layer	No data available		
Water			
Hazardous to Aquatic Environment -	No classification		
Acute Hazard			
Hazardous to Aquatic Environment -	No classification		
Chronic Hazard			
Persistence and degradability	No data available		
Bioaccumulative potential	No data available		
Mobility in soil	No data available		
Hazardous to the ozone layer	classification not possible		

13. Disposal considerations

Ecology - waste materials	:	With the detail information of the waste, subcontract its disposal to a waste disposer authorized by a Prefectural Governor.
Contaminated container and packaging	:	Empty the packaging completely prior to disposal. Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

14. Transport information

International Regulations

Transport by sea(IMDG)

UN-No. (IMDG) Proper Shipping Name (IMDG) Packing group (IMDG) Transport hazard class(es) (IMDG)

Air transport(IATA)

UN-No. (IATA) Proper Shipping Name (IATA) Packing group (IATA)

Not applicable Not applicable : Not applicable : Not applicable : Not applicable

Not applicable : : Not applicable

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:

Transport hazard class(es) (IATA)	: Not applicable
Marine pollutant	: Not applicable
Regulations in Japan Regulatory information by sea	: Not applicable
Regulatory information by air Special transport precautions	 Not applicable When transporting, load containers so that they do not tip over,
opeolar transport productions	damage, drop or collapse. Make sure there is no leak in containers.
15. Regulatory information	
National law	
Industrial Safety and Health Law	: Not applicable

•	Not applicable
:	Not applicable
:	Not applicable
:	Export Trade Control Ordinance appendix 1-16
:	Not applicable
	:

16. Other information

Data	sources	

Other information

- Handbook of 17524 Chemical Products, The Chemical Daily Co, Ltd. International Chemical Safety Cards.
 National Institute of Technology and Evaluation (NITE).
 2020 Emergency Response Guidebook (ERG 2020).
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