

Assessment Report

Health Industry Service

REPORT NO.: PSG21600005

Date: 2021/06/22

Page : 1 of 1



Sonic Wonder Co., LTD.

9F., No. 191, Sec. 2, Zhuangjing Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)

The following sample(s) was/were submitted and identified by/on behalf of client as:

Sample Name : 19Clean Super Concentrated With Long Term Effect
Applicant : Sonic Wonder Co., LTD.
Address of Applicant : 9F., No. 191, Sec. 2, Zhuangjing Rd., Taoyuan Dist., Taoyuan City 330, Taiwan (R.O.C.)
Tel No./Contact Person : 03-21608247 / 胥逸鷗 kirk hsu
Storage Condition : Room temperature
Item No. : ---
Manufacturer/Agent/Importer : Sonic Wonder Co., LTD.
#NONE ---
Date of Sample Received : 2021/06/04
Date of Assessment : 2021/06/04 ~ 2021/06/22

Assessment Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

NOTE :

- 1.The test report merely reflects the test results of the consigned matters of the client and is not a certification of the legitimacy of the related products.
- 2.All items in this testing report is based on the request from client and we are responsible for that.
- 3.The content of this report is invalid if it is not presented as the entire report.
- 4.The test was performed by qualified outsourcing lab which was recognized by SGS.

- END -

Victor Shan

Victor Shan, Manager
Signed for and on behalf of
SGS Taiwan Industrial Services Ltd.



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Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity Stabilized Chlorine Dioxide
Alternate Names Stabilized Chlorine Dioxide

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Sonic Wonder CO., LTD
9F., No. 191, Sec. 2, Zhuangjing Rd., Taoyuan Dist.,
Taoyuan City 330, Taiwan (R.O.C.)

Emergency

24 hour Emergency Telephone No. +886-3-2160827

Customer Service: +886-3-2160827

Section 2. Hazard identification of the product

2.1. Classification of the substance or mixture

Physical Hazards: None

Health Hazards:

Environmental Hazards: None

2.2. Label elements

Pictograms: None

Signal Word: Warning

[Hazard information]

Precautionary Phrases:

[Prevention]:

No CLP prevention statements

[Response]:

P332+313 IF SKIN IRRITATION OCCURS: Get medical advice or attention.

[Storage]:

No CLP storage statements

[Disposal]:

No CLP disposal statements

Section 3. Composition/information on ingredients

Pure Chemical or Mixture :

Mixture

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	
Chlorine dioxide CAS Number: 10049-04-4	5 - 10	官報公示整理番号（化審法）：データなし 官報公示整理番号（安衛法）：データなし

Section 4. First aid measures

4.1. Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eye	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Overview	No specific symptom data available. No known long term toxicity. Treat symptomatically. See section 2 for further details.
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Skin	Causes mild skin irritation.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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Section 5. Fire-fighting measures

5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use; water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

5.3. Advice for fire-fighters

Put on appropriate personal protective equipment (see section 8).

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Small Spill: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.

Large Spill: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for late disposal.

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7. Handling and storage

7.1. Precautions for safe handling

Store in cool, dry ventilated area. Avoid excessive heat. Always keep containers tightly closed when not in use.

Avoid contact with eyes. Provide adequate ventilation. Wear appropriate personal protective equipment.

Observe good industrial hygiene practices.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials: No available information

See section 2 for further details. - [Storage]:

Section 8. Exposure controls / personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
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10049-04-4	Chlorine dioxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

8.2. Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eye protection Protective safety glasses recommended

Skin Avoid skin contact. Protective gloves recommended.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Pale Straw Coloured Solution Liquid
Odor	Ozone like odour
Odor threshold	No available information
pH	9.5~11.5
Melting point / freezing point	No available information
Initial boiling point and boiling range	110°C
Flash Point	No available information
Evaporation rate (Ether = 1)	No available information
Flammability (solid, gas)	No available information
Upper/lower flammability or explosive limits	No available information
Vapor pressure (Pa)	17.5mm/HG Similar to water)@20°C
Vapor Density	No available information
Specific Gravity	1.12-1.15 @20°C
Solubility in Water	Miscibility with water
Partition coefficient n-octanol/water (Log Kow)	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information
Viscosity (cSt)	No available information
Oxidising properties	No available information

Explosive properties

No available information

9.2. Other information

No other relevant information.

Section 10. Stability and reactivity**10.1. Reactivity**

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No available information

10.4. Conditions to avoid

Avoid temperatures exceeding the flash point. Contact with incompatible materials.

10.5. Incompatible materials

No available information

10.6. Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Chlorine dioxide - (10049-04-4)	500.00, 白化鼠 - Category: 4	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
10049-04-4	Chlorine dioxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
		ACGIH	No Established Limit
Classification		Category	Hazard Description
Acute toxicity (oral)		---	Not Applicable

Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation.
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Section 12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l	3hr IC50 Bacteria mg/l	Biodegradability %
Chlorine dioxide - (10049-04-4)	Not Available	Not Available	Not Available	---	---

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

No available information

12.4. Mobility in soil

No available information

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No available information

Section 13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

Section 14. Transport information

DOT (Domestic Surface Transportation)

14.1. UN number	UN3139
14.2. UN proper shipping name	UN3139, Oxidizing liquid, n.o.s., (chlorine dioxide), 5.1, III
14.3. Transport hazard class(es)	DOT Hazard Class: 5.1
14.4. Packing group	III
14.5. Environmental hazards	
IMDG	Marine Pollutant: No;
14.6. Special precautions for user	No available information
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not Applicable

Section 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Japan Fire Law:

risk class III

Poisonous and Deleterious Substances Control Law:	Not applicable
Industrial Safety and Health Law (MSDS):	Not applicable
Industrial Safety and Health Law (article 57):	Not applicable
ISHL Prevention of Hazards Due to Specified Chemical Substances:	Not applicable
Class organic solvent:	Not Applicable
ISHL Harmful Substances Prohibited for Manufacture:	Not applicable
Chemical Substance Control Law (CSCL) - Specified Chemical Substances:	Not applicable
Pollutant Release and Transfer Register (PRTR) Class 1:	Not applicable
Pollutant Release and Transfer Register (PRTR) Class 2:	Not applicable
Waste disposal and cleaning:	Industrial waste subject to special control

Section 16. Other information

SDS Revision Date 06/16/2021

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