

Safety Data Sheet

CyFlow CLEAN



SYSMEX CORPORATION
KOBE, JAPAN

Safety Data Sheet

Described date: 2019/07/11

Revised date: 2023/04/21

Reviewed date: 2023/04/21

1. Identification

Trade Name:	CyFlow CLEAN
Recommended use of the chemical and restrictions on use:	Diagnostic testing
Supplier's name:	Sysmex Corporation
Address:	1-5-1 Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan
Contact address:	4-4-4 Takatsukadai, Nishi-ku, Kobe, Hyogo, 651-2271, Japan
Emergency telephone:	TEL (+81)78-991-1911

2. Hazard identification

Classification of hazards

Physical hazards: Not classified

Health hazards

Skin corrosion/irritation: Category 1B

Serious eye damage/Eye

Irritation: Category 1

Environmental hazards

Hazardous to the aquatic

Environment(acute): Category 1

Hazardous to the aquatic

Environment(chronic): Category 2

GHS Label elements

Hazard pictogram:



GHS05



GHS09

Signal words: Danger

Hazard statements:

H314 Causes severe skin burns and eye damage.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P260 Do not breathe mist/vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response :

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and

	easy to do. Continue rinsing.
	P310 Immediately call a POISON CENTER/doctor.
	P391 Collect spillage.
Storage :	No data available
Disposal :	No data available
Non-classified hazards:	PBT assessment
	No data available
	vPvB assessment
	No data available

3. Composition/information on ingredients

Classification:	Mixture (aqueous solution)
Hazardous Ingredients	
Chemical Name, content:	Sodium hypochlorite, solution (5% Cl concentration)
CAS number:	7681-52-9

4. First-aid measures

Inhalation:	Get medical attention if necessary.
Skin Contact:	Wash with a large amount of water If skin irritation occurs: Get medical advice/attention.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Immediately call a doctor/physician.
Ingestion:	Rinse mouth with water well and get medical attention if necessary.
Protection for responders:	Not especially necessary.

5. Fire-fighting measures

Extinguishing Media:	Water, chemical powder, foam, carbon dioxide extinguisher
media that do not use:	None
Special Procedures:	None
Protection for firefighters:	None

6. Accidental release measures

Precautions of human body protection:	Wear eye protection/face protection
Environment:	No data available
Methods for cleaning up:	No data available
Prevention of secondary disaster:	No data available

7. Handling and storage

Handling	
Notes of technical manner:	No data available
Cautions for safe handling:	Avoid eye contact and skin contact
Contact avoidance:	No data available
Advice on general hygiene:	No data available
Storage	
Cautions for safe handling:	Store at a room temperature.
Containers, packaging materials:	No data available

8. Exposure controls/personal protection

Managing concentration:	No data available
Threshold concentration ACGIH:	No data available
Measuring Equipment:	Not especially necessary.
Protective equipment:	
Respiratory protective equipment:	Not especially necessary.
Hand protective equipment:	Protective gloves
Eye protective equipment:	Protective glasses
Skin and body protective equipment:	Protective clothes and others

9. Physical and chemical properties

Physical state:	liquid
Colour:	Colorless transparent or pale yellow
Odour:	Pungent
Melting point/freezing point :	No data available
Boiling point or initial boiling point and boiling range :	No data available
Flammability:	No data available
Lower and upper explosion limit/ flammability limit :	No data available
Flash point:	No data available
Auto-ignition temperature :	No data available
Decomposition temperature:	No data available
pH:	strongly alkaline
Kinematic viscosity:	No data available
Solubility:	Freely soluble in water.
Partition coefficient n-octanol/water (log value) :	No data available
Vapour pressure :	No data available
Density and/or relative density :	about 1.0
Relative vapour density :	No data available
Particle characteristics :	No data available

10. Stability and reactivity

Reactivity:	No data available
Chemical Stability:	Slowly decomposes on contact with air. Rate increases with the concentration and temperature. Exposure to sunlight accelerates decomposition.
Hazardous reactivity:	No data available
Conditions to avoid:	No data available
Incompatibility:	Acids.
Hazardous Decompositions:	Emits toxic fumes of chlorine

11. Toxicological information

Acute toxicity (oral):	As 10% Sodium hypochlorite : Mouse oral LD ₅₀ 5.8 mg/kg
Acute toxicity (dermal):	No data available
Skin corrosion/irritation:	No data available
Serious eye damages/eye irritation:	Rabbit Draize test: 0.01mL 5% sodium hypochlorite solution score was 11/110, and 0.1mL 5% sodium hypochlorite solution score was 40/110.
Respiratory sensitization or skin sensitization:	No information available
Germ cell mutagenicity:	No information available
Carcinogenicity:	No information available
Reproductive toxicity:	No information available
STOT-Single exposure:	No information available
STOT-Repeated exposure:	No information available
Aspiration hazards:	No information available

12. Ecological information

Ecotoxicity:	As NaOCl pure substance: Pimephales promelas (fathead minnow) 96 h LC ₅₀ 5.9 mg/L.
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Ozone depletion potential:	No information available
Other adverse effects:	No information available

13. Disposal considerations

Residual waste:	In the case of this product alone, wash away with large amount of water.
Vessel and packing materials:	Entrust the disposal to a waste disposal contractor authorized by the administrative agency or properly dispose of it abiding by the Waste Disposal and Public Cleansing Law.

14. Transport information

International regulations	
Air transport (ICAO/IATA)	
UN number:	1791
UN proper shipping name:	HYPOCHLORITE SOLUTION
Transport hazard Class:	8
Packing group:	III
Sea transport:	
UN number:	1791
UN proper shipping name:	HYPOCHLORITE SOLUTION
Transport hazard Class:	8
Packing group:	III
Marine Pollutant	Applicable: Symbol "fish and tree"
Noxious liquid substances in bulk according to Annex II of MARPOL 73/78 and IBC code	Not applicable
National regulations	
Inland waterways transport:	
UN number:	1791

UN proper shipping name:	HYPOCHLORITE SOLUTION
Class:	8
Packing group:	III
Air transport	
UN number:	1791
UN proper shipping name:	HYPOCHLORITE SOLUTION
Class:	8
Packing group:	III
Land transport:	Follow Fire Service Act
Special safety measures and conditions:	Check and confirm no leakage of containers and packing: and load them in such a way as no tumbling, falling-down, and damages. Be sure to prevent cargo collapse.

15. Regulatory information

National regulations	
Industrial Safety and Health Act:	Applicable : sodium hypochlorite, solution (Cabinet Order Number 3)
PRTR Law:	Not applicable
Poisonous and Deleterious Substances Control Act:	Not applicable
CSCL Law:	Applicable: sodium hypochlorite, solution (Section1, MITI Number 1-237)
Fire Service Act:	Not applicable
Air Pollution Control Act:	Not applicable
Water Pollution Prevention Act:	Applicable : sodium hypochlorite, solution (Article 3-3-11 of Cabinet order)
Water Supply Act:	Not applicable
Sewerage Act:	Not applicable
Act on Prevention of Marine Pollution and Maritime Disaster:	Not applicable
Waste Management and Public Cleansing Act:	Not applicable

16. Other Information

Special Precaution:	No information available
Miscellaneous Information:	The described information has been based on the best knowledge of SYSMEX's possession; however it is not intended to guarantee the correctness and completeness of the information. For the applicability of the product, it is the obligation of each user of the product to make the decision.
Other information:	This SDS is prepared in accordance with GHS version 7.
Revised parts :	Revised to comply with GHS version 7.
A key/ legend to abbreviations and acronyms:	PRTR Law: Act on Confirmation, etc. of Release Amounts of Specific Chemical Substances in the Environment and Promotion of Improvements to the Management Thereof (PRTR-SDS Law) CSCL Law: Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (Chemical

Key literature references and sources for data:	Substances Control Law; CSCL) None
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