

Safety Data Sheet

CyLyse™ LV



SYSMEX CORPORATION
KOBE, JAPAN

Safety Data Sheet

Described date:2018/05/15


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1. Identification

Trade Name:	CyLyse LV
Use of the preparation:	For Research Use Only
Supplier's Name:	Sysmex Corporation
Address:	1-5-1 Wakinohama-kaigandori, Chuo-ku, Kobe, Hyogo 651-0073, Japan
Emergency Telephone:	4-4-4 Takatsukadai, Nishi-ku, Kobe 651-2271, Japan +81-78-991-1911

2. Hazard identification

Classification of hazards:	
Physical hazards:	Not classified
Health hazards:	
Skin sensitization	Category 1
Environmental hazards:	
Long-term (chronic) aquatic hazard:	Category 3
GHS Label elements:	
Hazard Pictogram:	
Signal word:	Warning
Hazard statement:	H317 May cause an allergic skin reaction.
Precautionary statements:	
Prevention:	P261 Avoid breathing mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response:	P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse.
Storage:	No data available
Disposal:	P501 Dispose of contents/container to a facility in accordance with local and national regulations.
Other hazards which do not result in classification:	PBT assessment No data available vPvB assessment No data available

3. Composition/information on ingredients

Chemical characterization	Mixture (aqueous solution)
Hazardous Ingredients	
Chemical Name, content:	Ammonium chloride, <10% (w/w)
CAS number:	12125-02-9

Chemical Name, content:	Reaction mass 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT), <0.01% (w/w)
CAS number:	55965-84-9
Chemical Name, content:	2-Pyridinethiol, 1-oxide, sodium salt <0.50wt%
CAS number:	3811-73-2

4. First-aid measures

Ingestion:	Rinse the mouth with plenty of water. Arrange to consult a physician immediately.
Inhalation:	Wash out nasal cavity with tepid water and gargle. If irritation persists, consult a physician immediately.
Skin Contact:	Immediately flush skin with soap and plenty of water. Consult a physician immediately in case of itch or inflammation.
Eye Contact:	Immediately flush eyes with plenty of water. Consult a physician immediately if necessary.
Indication of immediate medical attention and special treatment needed, if necessary:	No information available

5. Fire-fighting measures

Suitable extinguishing media:	Water; Carbon dioxide; Extinguishing powder; Foam
Specific hazards arising from the chemical :	No information available
Special Procedures:	No information available
Special protective action for fire-fighters :	No information available

6. Accidental release measures

Precautions of human body protection:	Refer to protective measures listed in sections 8. Avoid contact with skin, eyes and clothing.
environment:	Be careful not to discharge into rivers, etc. and cause environmental impact.
Methods for cleaning up:	Use absorbent material. May be diluted with water.
Prevention of secondary disaster :	No information available

7. Handling and storage

Handling	
Notes of technical manner:	No information available
Storage:	Keep container tightly closed, and store between the following temperatures: 2 to 8°C. Keep in a well-ventilated place. Keep from freezing.

8. Exposure controls/personal protection

Control parameters	
Threshold Limit Value	
ACGIH:	No information available
Appropriate engineering controls :	No information available
Individual protection measures, such as personal protective equipment :	
Respiratory protection	Wear face protective equipment.

Eye/face protection	Wear eye protective glasses (Ordinary type glasses, ordinary glasses with side-walls, goggle-type)
Skin protection	Wear protective gloves. Use personal protective clothes and protective face shield if required.
Thermal hazards	No information available

9. Physical and chemical properties

Physical state:	Liquid
Colour:	pale yellow
Odour:	Odourless
Melting point/freezing point :	No information available
Boiling point or initial boiling point and boiling range :	No information available
Flammability :	No information available
Lower and upper explosion limit/flammability limit :	No information available
Flash point:	No information available
Auto-ignition temperature :	No information available
Decomposition temperature :	No information available
pH:	No information available
Kinematic viscosity :	No information available
Solubility :	100 % soluble in water
Partition coefficient n-octanol/water (log value) :	No information available
Vapour pressure :	No information available
Density and/or relative density :	No information available
Relative vapour density :	No information available
Particle characteristics :	No information available
Other data :	No information available

10. Stability and reactivity

Reactivity :	No information available
Chemical Stability:	Stable under recommended storage and handling condition (See section 7).
Possibility of Hazardous reactions:	No information available
Conditions to avoid:	No information available
Incompatible materials:	No information available
Hazardous decomposition products	No information available

11. Toxicological information

	Since there is no information on ammonium chloride as a product, information on ammonium chloride is provided below.
Acute toxicity:	
Acute oral toxicity:	Rat/LD50 = 1650 mg/kg (ACGIH (2001))
Acute dermal toxicity:	No information available
Acute inhalation toxicity:	No information available
Skin corrosion/irritation:	No information available
Serious eye damage/ irritation:	Mildly irritating in a rabbit study (ACGIH (7th, 2001)).
Respiratory 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:	There have been several reports on acidosis (SIDS (2009)), including cases of (metabolic) acidosis in which long-term (6 months) ingestion of ammonium chloride led to hospitalization due to exhaustion and air hunger or because of hypercapnia and confusion, and cases of mild (metabolic) acidosis after a short period of ingestion, ACGIH (2001)).
Aspiration hazard:	No information available
Other information:	No information available
12. Ecological information	
Environmental toxicity:	No information available
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Other adverse effects:	No information available
13. Disposal considerations	
Disposal methods:	May be diluted with water and wash into sewer. Please follow the restriction concerning the wastes in local region.
14. Transport information	
Air transport (ICAO/IATA)	
UN code and number:	Not applicable
Packing groups:	Not applicable
Sea transport:	No information available
Environmental hazards:	Not applicable to marine pollutants
Transport in bulk according to IMO instruments:	Not applicable
Land transport:	No information available
Special safety measures and conditions:	Before the transportation, check no damages, corrosions, and leakage of the container. Load the dangerous substance in such a way as not to cause tumbling the dangerous substance itself or tumbling, falling down, and damages of the containers. During transportation, do not cause tumbling, shock, friction, collapsing, and leakage. For transportation, load it in such a way as to avoid direct sun light and damages, corrosion, and leakage of the containers. Be sure to prevent cargo collapse.
15. Regulations information	
National regulations:	
Japan ISHA :	Ammonium chloride (chemical Substances Requiring Labeling and Delivery of Documents, etc. Cabinet Order Number : Attached tab 9-96 of Cabinet order)
Japan Water Pollution Control Law :	Ammonium chloride (Harmful Substances Cabinet Order Number: Article 2-26 of Cabinet order)
No chemical safety assessment has been carried out for this	

mixture by the supplier.

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
A key/legend to abbreviations and acronyms:	STOT : Specific Target Organ Toxicity ACGIH : American Conference of Governmental Industrial Hygienist ICAO : International Civil Aviation Organization IATA : International Air Transport Association IMO : International Maritime Organization ISHA : Industrial Safety and Health Act
Key literature references and sources for data:	No information available
