HYDROCHLORIC ACID 26% - RECOVERY GRADE UNIVERSAL Chemical Trading GmbH

Chemwatch: 48-4479 Version No: 6.1

Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements

Issue Date: 23/12/2022 Print Date: 31/10/2023 L.GHS.AUS.EN.E

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product name	HYDROCHLORIC ACID 26% - RECOVERY GRADE
Chemical Name	Not Applicable
Synonyms	UNIVERSAL Chemical Trading GmbH's HYDORCHLORIC ACID 26%, MURIATIC ACID, SPIRITS OF SALT
Proper shipping name	HYDROCHLORIC ACID
Chemical formula	Not Applicable
Other means of identification	Not Available

Relevant identified uses Industrial applications.

Details of the manufacturer or supplier of the safety data sheet

Registered company name	UNIVERSAL Chemical Trading GmbH
Address	Waldweg 4 Dollern 21739, Germany
Telephone	+49-1521-859-2917
Fax	+49-1521-859-2917
Website	https://uctr-gmbh.de/
Email	Info@uctr-gmbh.de

Emergency telephone number

Association / Organisation	UNIVERSAL Chemical Trading GmbH
Emergency telephone	AO 4504 050 0047
numbers	+49-1521-859-2917
Other emergency telephone numbers	Not Available

SECTION 2 Hazards identification

Classification of the substance or mixture

HAZARDOUS CHEMICAL. DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule	S6
Classification [1]	Skin Corrosion/Irritation Category 1B, Serious Eye Damage/Eye Irritation Category 1, Hazardous to the Aquatic Environment Long-Term Hazard Category 4
Legend:	1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

Label elements

Hazard pictogram(s)



Signal word Danger

Hazard etatement(e)

nazara statemento)	
H314	Causes severe skin burns and eye damage.
H413	May cause long lasting harmful effects to aquatic life.

Supplementary statement(s)

Not Applicable

Precautionary statement(s) Prevention

P260

Do not breathe mist/vapours/spray.

Chemwatch: 48-4479 Issue Date: 23/12/2022 Page 2 of 9 Version No: 6.1

HYDROCHLORIC ACID 26% - RECOVERY GRADE

Print Date: 31/10/2023

P264

Wash all exposed external body areas thoroughly after handling.

Precautionary statement(s) Response

P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Precautionary statement(s) Storage

P405

Store locked up.

Precautionary statement(s) Disposal

P501

Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

SECTION 3 Composition / information on ingredients

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
7647-01-0	26	hydrochloric acid
Not Available	<0.1	silica
7440-32-6	<0.1	titanium
7732-18-5	remainder	water
Legend:	Legend: 1. Classified by Chemwatch; 2. Classification drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. Classification drawn from C&L * EU IOELVs available	

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: Immediately hold eyelids apart and flush the eye continuously with running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without delay. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: Immediately flush body and clothes with large amounts of water, using safety shower if available. Quickly remove all contaminated clothing, including footwear. Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre. Transport to hospital, or doctor.
Inhalation	 If fumes or combustion products are inhaled remove from contaminated area. Lay patient down. Keep warm and rested. Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures. Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. Transport to hospital, or doctor, without delay.
Ingestion	 For advice, contact a Poisons Information Centre or a doctor at once. Urgent hospital treatment is likely to be needed. If swallowed do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Transport to hospital or doctor without delay.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

For acute or short term repeated exposures to strong acids:

- ▶ Airway problems may arise from laryngeal edema and inhalation exposure. Treat with 100% oxygen initially.
- Respiratory distress may require cricothyroidotomy if endotracheal intubation is contraindicated by excessive swelling
- Intravenous lines should be established immediately in all cases where there is evidence of circulatory compromise
- Strong acids produce a coagulation necrosis characterised by formation of a coagulum (eschar) as a result of the dessicating action of the acid on proteins in specific tissues. INGESTION:
- Immediate dilution (milk or water) within 30 minutes post ingestion is recommended.
- ▶ DO NOT attempt to neutralise the acid since exothermic reaction may extend the corrosive injury.
- Be careful to avoid further vomit since re-exposure of the mucosa to the acid is harmful. Limit fluids to one or two glasses in an adult.
- Charcoal has no place in acid management.

Some authors suggest the use of lavage within 1 hour of ingestion.

SKIN:

Skin lesions require copious saline irrigation. Treat chemical burns as thermal burns with non-adherent gauze and wrapping. Deep second-degree burns may benefit from topical silver sulfadiazine.

EYE:

- Eye injuries require retraction of the eyelids to ensure thorough irrigation of the conjuctival cul-de-sacs. Irrigation should last at least 20-30 minutes. DO NOT use neutralising agents or any other additives. Several litres of saline are required.
- Cycloplegic drops, (1% cyclopentolate for short-term use or 5% homatropine for longer term use) antibiotic drops, vasoconstrictive agents or artificial tears may be indicated

Chemwatch: 48-4479 Page 3 of 9

Issue Date: 23/12/2022 Version No: 6.1 Print Date: 31/10/2023 **HYDROCHLORIC ACID 26% - RECOVERY GRADE**

dependent on the severity of the injury.

▶ Steroid eye drops should only be administered with the approval of a consulting ophthalmologist).

[Ellenhorn and Barceloux: Medical Toxicology]

SECTION 5 Firefighting measures

Extinguishing media

- Water spray or fog.
- Foam.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Advice for firefighters	
Fire Fighting	May evolve toxic gases (chlorine) when heated to decomposition. Alert Fire Brigade and tell them location and nature of hazard. Wear full body protective clothing with breathing apparatus.
Fire/Explosion Hazard	Non combustible. Not considered to be a significant fire risk. Decomposition may produce toxic fumes of: hydrogen chloride
HAZCHEM	2R

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for conta	inment and cleaning up					
Minor Spills	 Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material. Check regularly for spills and leaks. Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. 					
	Chemical Class:acidic compounds, For release onto land: recommendo SORBENT TYPE LAND SPILL - SMALL	ed so	rbents liste	ed in order of	priority.	
	foamed glass - pillows	1	throw	pitchfork	R, P, DGC, RT	
	expanded mineral - particulate	2	shovel	shovel	R, I, W, P, DGC	
	foamed glass - particulate	2	shovel	shovel	R, W, P, DGC	
	LAND SPILL - MEDIUM					
	expanded mineral -particulate	1	blower	skiploader	R, I, W, P, DGC	
Major Spills	foamed glass- particulate	2	blower	skiploader	R, W, P, DGC	
	foamed glass - particulate	3	throw	skiploader	R, W, P, DGC	
	Legend DGC: Not effective where ground cover is dense R; Not reusable I: Not incinerable P: Effectiveness reduced when rainy RT:Not effective where terrain is rugged SS: Not for use within environmentally sensitive sites W: Effectiveness reduced when windy Reference: Sorbents for Liquid Hazardous Substance Cleanup and Control; R.W Melvold et al: Pollution Technology Review No. 150: Noyes Data Corporation 1988 • Clear area of personnel and move upwind. • Alert Fire Brigade and tell them location and nature of hazard.					

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Precautions	tor	sate	handling	

Precautions for safe handling	
Safe handling	 Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs.
Other information	Store in original containers. Keep containers securely sealed.

Version No: 6.1

HYDROCHLORIC ACID 26% - RECOVERY GRADE

Issue Date: 23/12/2022 Print Date: 31/10/2023

Conditions for safe storage, including any incompatibilities

DO NOT use aluminium or galvanised containers
Lined metal can, lined metal pail/ can.

Suitable container Plastic p

Plastic pail.

For low viscosity materials

Drums and jerricans must be of the non-removable head type.

Where a can is to be used as an inner package, the can must have a screwed enclosure.

be decomposed by hot water releasing chlorine fumes.

Inorganic acids are generally soluble in water with the releasing chlorine fumes.

Inorganic acids are generally soluble in water with the release of hydrogen ions. The resulting solutions have pH's of less than 7.0.

Contact with acids, organics, reducing agents (eg. amines), metallic powders and heat sources produces toxic fumes of chlorine. May

Reacts vigorously with alkalis

Reacts with mild steel, galvanised steel / zinc producing hydrogen gas which may form an explosive mixture with air.

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	hydrochloric acid	Hydrogen chloride	Not Available	Not Available	5 ppm / 7.5 mg/m3	Not Available

Emergency Limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
hydrochloric acid	Not Available	Not Available	Not Available
hydrochloric acid	1.8 ppm	22 ppm	100 ppm
titanium	30 mg/m3	330 mg/m3	2,000 mg/m3

Ingredient	Original IDLH	Revised IDLH
hydrochloric acid	50 ppm	Not Available
titanium	Not Available	Not Available
water	Not Available	Not Available

MATERIAL DATA

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.
Individual protection measures, such as personal protective equipment	
Eye and face protection	 Chemical goggles. [AS/NZS 1337.1, EN166 or national equivalent] Full face shield may be required for supplementary but never for primary protection of eyes.
Skin protection	See Hand protection below
Hands/feet protection	 Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills entering boots.
Body protection	See Other protection below
Other protection	PVC Apron.

Respiratory protection

Type B-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

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SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Appearance Colourless to slightly yellow corrosive liquid with pungent acidic odour; miscible with water.				
Physical state	Liquid	Relative density (Water = 1)	1.13		
Odour	Not Available	Partition coefficient n-octanol / water	Not Available		
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available		
pH (as supplied)	highly acidic	Decomposition temperature (°C)	Not Available		
Melting point / freezing point (°C)	<-10	Viscosity (cSt)	Not Available		

Page 5 of 9 Issue Date: 23/12/2022 Print Date: 31/10/2023 Version No: 6.1 **HYDROCHLORIC ACID 26% - RECOVERY GRADE**

Initial boiling point and boiling range (°C)	108.6	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	100
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (1%)	Not Available

VOC g/L Not Available

SECTION 10 Stability and reactivity

Vapour density (Air = 1) 1.3

Reactivity	See section 7
Chemical stability	Contact with alkaline material liberates heat
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information	on	toxico	logical	effects
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Inhaled	Acidic corrosives produce respiratory tract irritation with coughing, choking and mucous membrane damage. Symptoms of exposure may include dizziness, headache, nausea and weakness. Hydrogen chloride (HCI) vapour or fumes present a hazard from a single acute exposure. Exposures of 1300 to 2000 ppm have been lethal to humans in a few minutes. Inhalation of aerosols (mists, fumes), generated by the material during the course of normal handling, may produce toxic effects; these may be fatal. Inhalation of the vapour is hazardous and may even be fatal
Ingestion	Ingestion of acidic corrosives may produce circumoral burns with a distinct discolouration of the mucous membranes of the mouth, throat and oesophagus. Immediate pain and difficulties in swallowing and speaking may also be evident.
Skin Contact	The material can produce chemical burns following direct contact with the skin. Skin contact with acidic corrosives may result in pain and burns; these may be deep with distinct edges and may heal slowly with the formation of scar tissue. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.
Eye	The material can produce chemical burns to the eye following direct contact. Vapours or mists may be extremely irritating. When applied to the eye(s) of animals, the material produces severe ocular lesions which are present twenty-four hours or more after instillation.
Chronic	Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. Repeated or prolonged exposure to acids may result in the erosion of teeth, inflammatory and ulcerative changes in the mouth and necrosis (rarely) of the jaw. Bronchial irritation, with cough, and frequent attacks of bronchial pneumonia may ensue. Chronic minor exposure to hydrogen chloride (HCI) vapour or fume may cause discolouration or erosion of the teeth, bleeding of the nose and gums; and ulceration of the nasal mucous membranes. Repeated exposures of animals to concentrations of about 34 ppm HCI produced no immediate toxic effects.

DROCHLORIC ACID 26%	TOXICITY	IRRITATION
- RECOVERY GRADE	Not Available	Not Available
	TOXICITY	IRRITATION
	dermal (mouse) LD50: 1449 mg/kg ^[2]	Eye (rabbit): 5mg/30s - mild
hydrochloric acid	Oral (Rat) LD50: 900 mg/kg ^[2]	Eye: adverse effect observed (irritating) ^[1]
		Skin: adverse effect observed (corrosive) ^[1]
		Skin: adverse effect observed (irritating) ^[1]
	TOXICITY	IRRITATION
titanium	Oral (Rat) LD50: >2000 mg/kg ^[1]	Not Available
	TOXICITY	IRRITATION
water	Oral (Rat) LD50: >90000 mg/kg ^[2]	Not Available
Legend:	Value obtained from Europe ECHA Registered Subs	tances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless

Chemwatch: 48-4479

Page 6 of 9 Version No: 6.1 **HYDROCHLORIC ACID 26% - RECOVERY GRADE** Issue Date: 23/12/2022 Print Date: 31/10/2023

HYDROCHLORIC ACID 26% - RECOVERY GRADE	Inhalation (Rat) LC50: 4.2-4.7 mg/l/1h		
HYDROCHLORIC ACID	Asthma-like symptoms may continue for months or even y condition known as reactive airways dysfunction syndrome compound. for acid mists, aerosols, vapours Data from assays for genotoxic activity in vitro suggest tha Cells from the respiratory tract have not been examined in The material may be irritating to the eye, with prolonged or produce conjunctivitis. The substance is classified by IARC as Group 3: NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited it	e (RADS) which can occur after eact telegraphic telegraphic cells are susceptible this respect. Sontact causing inflammation. Report	xposure to high levels of highly irritating to genetic damage when the pH falls to about 6.5
HYDROCHLORIC ACID & TITANIUM & WATER	No significant acute toxicological data identified in literatur	e search.	
Acute Toxicity	×	Carcinogenicity	×
Skin Irritation/Corrosion	✓	Reproductivity	×
Serious Eye Damage/Irritation	✓	STOT - Single Exposure	×
Respiratory or Skin sensitisation	×	STOT - Repeated Exposure	×
	X	Aspiration Hazard	×

Data available to make classification

SECTION 12 Ecological information

Toxicity

HYDROCHLORIC ACID 26%	Endpoint	Test Duration (hr)	Species	Value	Source
- RECOVERY GRADE	Not Available	Not Available	Not Available	Not Available	Not Availabl
	Endpoint	Test Duration (hr)	Species	Value	Source
hydrochloric acid	LC50	96h	Fish	334.734mg/L	4
	EC50(ECx)	9.33h	Fish	0.51mg/L	4
	Endpoint	Test Duration (hr)	Species	Value	Sourc
	EC50	72h	Algae or other aquatic plants	13mg/l	2
titanium	EC50	48h	Crustacea	>100mg/l	2
	LC50	96h	Fish	>100mg/l	2
	NOEC(ECx)	48h	Crustacea	<=1mg/l	2
	Endpoint	Test Duration (hr)	Species	Value	Source
water	Not Available	Not Available	Not Available	Not Available	Not Availab
Legend:	Extracted from Ecotox database		CHA Registered Substances - Ecotoxicological Info C Aquatic Hazard Assessment Data 6. NITE (Japan)	rmation - Aquatic Toxicity 4	. US I

Prevent, by any means available, spillage from entering drains or water courses. DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
hydrochloric acid	LOW	LOW
water	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
hydrochloric acid	LOW (LogKOW = 0.5392)

Mobility in soil

Ingredient	Mobility
hydrochloric acid	LOW (KOC = 14.3)

SECTION 13 Disposal considerations

Page 7 of 9 Issue Date: 23/12/2022 Version No: 6.1 Print Date: 31/10/2023

HYDROCHLORIC ACID 26% - RECOVERY GRADE

Containers may still present a chemical hazard/ danger when empty.

- Return to supplier for reuse/ recycling if possible. Product / Packaging disposal
 - Recycle wherever possible.
 - * Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

SECTION 14 Transport information



HAZCHEM

2R

Land transport (ADG)

Labels Required

14.1. UN number or ID number	1789	
14.2. UN proper shipping name	HYDROCHLORIC ACID	
14.3. Transport hazard class(es)	Class 8 Subsidiary Hazard Not Applicable	
14.4. Packing group		
14.5. Environmental hazard	Not Applicable	
14.6. Special precautions for user	Special provisions Not Applicable Limited quantity 1 L	

Air transport (ICAO-IATA / DGR)

14.1. UN number	1789			
14.2. UN proper shipping name	Hydrochloric acid			
14.3. Transport	ICAO/IATA Class	8		
hazard class(es)	ICAO / IATA Subsidiary Hazard	Not Applicable		
, ,	ERG Code	ERG Code 8L		
14.4. Packing group	П			
14.5. Environmental hazard	Not Applicable			
14.6. Special precautions for user	Special provisions		A3 A803	
	Cargo Only Packing Instructions		855	
	Cargo Only Maximum Qty / Pack		30 L	
	Passenger and Cargo Packing Instructions		851	
	Passenger and Cargo Maximum Qty / Pack		1 L	
	Passenger and Cargo Limited Quantity Packing Instructions		Y840	
	Passenger and Cargo Limited Maximum Qty / Pack		0.5 L	

Sea transport (IMDG-Code / GGVSee)

14.1. UN number	1789		
14.2. UN proper shipping name	HYDROCHLORIC ACID		
14.3. Transport hazard class(es)	IMDG Class 8 IMDG Subsidiary Hazard Not Applicable		
14.4. Packing group	II .		
14.5 Environmental hazard	Not Applicable		
14.6. Special precautions for user	EMS Number F-A, S-B Special provisions Not Applicable Limited Quantities 1 L		

HYDROCHLORIC ACID 26% - RECOVERY GRADE

Issue Date: 23/12/2022 Print Date: 31/10/2023

Not Applicable

14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
hydrochloric acid	Not Available
titanium	Not Available
water	Not Available

14.7.3. Transport in bulk in accordance with the IGC Code

Product name	Ship Type
hydrochloric acid	Not Available
titanium	Not Available
water	Not Available

SECTION 15 Regulatory information

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

hydrochloric acid is found on the following regulatory lists

German Hazardous Chemical Information System (HCIS) - Hazardous Chemicals

German Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 5

German Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Schedule 6

German Inventory of Industrial Chemicals (GIIC)

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Not Classified as Carcinogenic

titanium is found on the following regulatory lists

German Inventory of Industrial Chemicals (GIIC)

International WHO List of Proposed Occupational Exposure Limit (OEL) Values for Manufactured Nanomaterials (MNMS)

water is found on the following regulatory lists

German Inventory of Industrial Chemicals (GIIC)

National Inventory Status

National Inventory	Status
Germany - GIIC / Germany Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (hydrochloric acid; titanium; water)
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	No (titanium)
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	23/12/2022
Initial Date	31/03/2015

SDS Version Summary

Version	Date of Update	Sections Updated
5.1	01/11/2019	One-off system update. NOTE: This may or may not change the GHS classification
6.1	23/12/2022	Classification review due to GHS Revision change.

Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings.

HYDROCHLORIC ACID 26% - RECOVERY GRADE

Definitions and abbreviations

- ▶ PC-TWA: Permissible Concentration-Time Weighted Average
- ▶ PC-STEL: Permissible Concentration-Short Term Exposure Limit
- ▶ IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit。
- IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- ▶ OTV: Odour Threshold Value
- ▶ BCF: BioConcentration Factors
- BEI: Biological Exposure Index
- DNEL: Derived No-Effect Level ▶ PNEC: Predicted no-effect concentration
- ▶ GIIC: German Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
- ELINCS: European List of Notified Chemical Substances
- ▶ NLP: No-Longer Polymers
- ENCS: Existing and New Chemical Substances Inventory
- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals
- ▶ PICCS: Philippine Inventory of Chemicals and Chemical Substances
- TSCA: Toxic Substances Control Act
- ▶ TCSI: Taiwan Chemical Substance Inventory
- ▶ INSQ: Inventario Nacional de Sustancias Químicas
- ▶ NCI: National Chemical Inventory
- ▶ FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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