

安全資料表

危害物料資料

1. 產品與用途									
1.1 物料名稱 :	Acidic	Acidic Additive (增酸劑) (Sulphuric Acid)							
1.2 用途 :	增酸劑								
2. 危害成份									
2.1 危害分類及標籤 [:]	HARMFUL 有害	> <	TOXIC 有毒	CO	RROSIVE K他性	FLAMMABLE 易燃	IRRITANT 刺激性	EXPLOSIVE 舉作性	OXIDIZING BUCK
	有害		有毒	腐	蝕性	易燃	刺激性	k 爆炸性	助燃
	()	(()	(√)	()	()	()	()
2.2 酸鹼值(pH) :	無資料				2.3	暴露限制(OEL) :	無資料	
2.4 致癌物質 :	無資料				2.5 基	其他危害	:	刺激性	
2.5 潛在危害 :	引致灼	傷							
	刺激眼	睛,	皮膚及	乎吸	道				
3. 火警和爆炸資料									
3.1 燃燒物成份比例:	無資料		3.2 沸	點	: 無	資料	3.3 滘	· : : : : : : : : : : : : : : : : : : :	無資料
3.4 閃點() :	無資料 3.5 比重		: 無	資料	3.6 泵	■ □	無資料		
3.7 爆炸極限(濃度)	無資料 3.8 溶		解原	复:無	資料	3.9 泵	貳味 : ∮	無資料	
3.10 滅火設備 :	不適用								
4. 急救處理									
4.1 眼睛接觸 :	用大量	清水流	中洗,並	尋才	送醫療				
4.2 皮膚接觸 :	用大量	用大量清水沖洗, 如持續有刺激感覺, 請尋求醫療護理。							
4.3 吸入 :	把傷者	移到生	空氣流	通的	地方,	立召醫生急	忠救。		
4.4 食入 :	喝下清	水並	盡早求	登,	不要強	行嘔吐出	來,請尋求	杉醫療護理	0
5. 個人防護裝備									
☑ 橡膠手套	☑ 護眼罩								
6. 處理及使用應知事項									
6.1 儲存注意事項:	■項: ● 應存於密封器材內								
6.2 意外洩漏處理的方法 : 用毛巾或沙圍起洩漏範圍及吸起,將吸滿液體之毛巾或沙收集 並存放在膠袋內妥善處理									
7. 其他資料									
- 嚴禁飲食或吸煙 - 切勿把水加入這產品內									



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SECTION 1	Commercial Name	Hydrochloric Acid
Chemical Product and	Application	Acid Additive
Company	Manufacturer	Joneson Environmental Technologies Ltd.
Identification	Address	Flat A, 8/F., Chai Wan Industrial Centre,
		20 Lee Chung Street,
		Chaiwan, Hong Kong
	Telephone Number	852- 2889 8220
	Facsimile Number	852- 2889 3646
	E-mail	jet@fsenv.com.hk

SECTION 2	Chemical Name	CAS Number	Concentration
Composition	Hydrochloric Acid	7647-01-0	30-35 %
Information on Ingredients	Concentration ranges is provided to	assist users in providing	g appropriate protections.

SECTION 3
Hazards
Identification

Classes	Corrosive to metals cat 1.
	Skin corrosion / irritation cat 1 B.
	Serious eye damages / eye irritation cat 1.
	Respiratory system toxicity (single exposure) cat 3.
Hazard Statements	May be corrosive to metals.
	Causes severe skin burns and eye damage.
	May cause respiratory irritation.

Precautionary Statement

Prevention	Do not breathe dust/fume/gas/mist/vapors/spray.
	Wash face, hands and any exposed skin thoroughly after
	handling.
	Wear protective gloves/protective clothing/eye
	protection/face protection.
	Use only outdoors or in a well-ventilated area.
	Keep only in original container.
Response	Absorb spillage to prevent material damage.
1	IF INHALED: Remove victim to fresh air and keep at rest
	in a position comfortable for breathing.
	IF ON SKIN (or hair): Take off immediately all
	contaminated clothing. Rinse skin with water/shower
	Wash contaminated clothing before reuse.
	IF IN EYES: Rinse cautiously with water for several
	minutes. Remove contact lenses, if present and easy to do.
	Continue rinsing.
	IF SWALLOWED: Rinse mouth. DO NOT induce
	vomiting.
Storage	Store locked up.
-	Store in a well-ventilated place. Keep container tightly
	closed.
	Store in corrosive resistant polypropylene container with a
	resistant inliner.
	Store in a dry place.
Disposal	Dispose of contents/container to an approved waste disposal
	plant.

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SECTION 4				
First Aid Measures	Eye Contact:	•	plenty of water, also under the eyelids, for mediate medical attention is required.	
	Skin Contact:	Wash off immediately v Immediate medical atte	with plenty of water for at least 15 minutes.	
	Ingestion:		ng. Call a physician immediately.	
	Inhalation:	Remove to fresh air. I not use mouth-to-mouth substance; give artificia equipped with a one-wa	f breathing is difficult, give oxygen. Do a method if victim ingested or inhaled the l respiration with the aid of a pocket mask by valve or other proper respiratory diate medical attention is required.	
CE CETON 5	T=	1 ~ ~		
SECTION 5 Fire-fighting Measures	Fire and Explosion Hazards	Thermal decomposition	auses burns by all exposure routes. can lead to release of irritating gases and	
	Suitable Extinguishing Substances	vapors. Substance is nonflami extinguish surroundin	mable; use agent most appropriate to g fire.	
	Product of Combustion	Hydrogen chloride ga	s.	
SECTION 6	Personal Precautions			
Accidental			red. Ensure adequate ventilation.	
Release Measures	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.			
Wicasures	Do not get in eyes, on skin, or on clothing.			
	Emergency Procedures			
	Should not be released into the environment.			
	<u>Clean-up Method</u> Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.			
CE CETON 5		absorbent material. Reep i	ii suitable, closed containers for disposar.	
SECTION 7 Storage &	<u>Handling</u>	-44:	notestica. De not benedic mist / not	
Handling	Wear personal protective equipment/face protection. Do not breathe mist / vapors / spray. Do not get in eyes, on skin, or on clothing. Do not ingest. If swallowed then seek immediate medical assistance.			
	Storage			
	Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives			
area. Incompatible Materials. Metals. Strong oxidizing agents. E			Strong oxidizing agents. Bases. Sodium	
	hypochlorite. Am	ines. Fluorine. Cyanides.	Alkaline.	
SECTION 8	Control Parame	ters		
Protection &	I	ngredient	ACGIH TLV	
Personnel	Hydi	Hydrochloric acid Ceiling: 2mg/m ³		
Protection Equipment	<u>Legend</u>			
Equipment			ment Industrial Hygienists	
	Engineering Cor			
	•	•	owers are close to the workstation location.	
Personal Protective Equipment				
	General Eye Protection	Handle in accordanc practice.	e with good industrial hygiene and safety otective eyeglass or chemical safety goggle	

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		Wear appropria skin exposure.	te protective gloves and clothing to prevent		
	Respiratory	Use an approve	d respirator if exposure limits are exceeded or if er symptoms are experienced.		
SECTION 9	Appearance		Colorless		
Physical and	Odour		Pungent		
Chemical	рН		<1		
Properties	Melting point		-35 (-31°F)		
	Boiling point		57°C (135°F)		
	Flash point		Not available		
	Upper/lower flammab	oility limits	Not available		
	Vapour pressure		125 mbar @20°C		
	Vapour density		1.27		
	Specific Gravity		1.18		
	Solubility		Soluble in water		
	Partition coefficient		Not available		
	Auto-ignition tempera		Not available		
	Decomposition tempe	rature	Not available		
	Viscosity		1.8cP @15°C		
SECTION 10	Reactivity	None know	v, based on information available.		
Stability &	Chemical stability	Stable und	Stable under normal conditions.		
Reactivity	Possibility of		ith metals may evolve flammable hydrogen gas.		
	hazardous reactions		polymerization does not occur.		
	Conditions to avoid		Incompatible products. Excess heat.		
	Incompatible material		Metals, Strong oxidizing agents, Bases, sodium		
	** 1		hypochlorite, Amines, Fluorine, Cyanides, Alkaline.		
	Hazardous	Hydrogen	chloride gas.		
	decomposition				
SECTION 11	products Possible Rootes of Evi				

SECTION 11

Possible Rootes of Exposure

Toxicological Information

Skin, Eye, Inhalation

Health Effects/Symptoms

If ON SKIN: Causes severe burns, causes poorly healing wounds

If IN EYES: Causes burns. Causes serious eye damage, risk of blindness If INHALED: Irritation to respiratory tract, cough, dystonia, pulmonary

oedema

If SWALLOWED: Danger of perforation of the esophagus and the stomach

(strong corrosive effects)

Acute Toxicity

Chemical Name	LD50 and LC50
Hydrochloric Acid	Oral LD50 (Rabbit) = 238-277mg/kg (Rat) Dermal LD50: >5010mg/kg (Rabbit)
Trydrochione Acid	Inhalation LD50: 1.68mg/L (Rat) 1h

Carcinogenicity

Not listed.

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ECTION 12	Ecotoxicity			
Ecological Information	Chemical Name	Fish	Aquatic Invertebrates	Aquatic Plant
	Hydrochloric Acid	LC50: 282mg/L (96h, Gambusia affinis)	EC50: 56mg/L (72h, Daphnia)	-

Persistence and Degradability

Persistence is unlikely

Bioaccumulation

No data available

Mobility in Soil

Will likely be mobile in the environment due to its water solubility

SECTION 13	Waste from Residuals			
Disposal	Dispose of in accordance with local regulations.			
Considerations	Contaminated Packaging			
	Since emptied containers may retain product residue, follow label warnings even after			
	container is emptied. Empty containers should be taken to an approved waste handli			
	site for recycling or disposal.			
SECTION 14 Transport Information	UN Number	UN1789		
	Proper Shipping Name	Hydrochloric Acid		
	Transport Hazard Class	8		
	Packing Group	II		
	Environmental Hazards	Non environmental hazardous		
	Special Precautions for User	Provisions for dangerous goods should be		
	•	complied within the premises		

SECTION 15 Regulatory Information	Safety; Health and E Guidance Notes International Regula		ental Regulations This product meets the criteria for classification in accordance with dangerous substances Classified in accordance with the hazard criteria of various countries regulations
SECTION 16 Other information	Prepared by: Date Issued: Reason for issue: Declaimer:	Joneson Environmental Technologies Ltd Technical Department 20-Feb-2025 Update the format This product material safety data sheet provides health and safety information. The product is to be used in applicati consistent with the product literature. The information in the Material Safety Data Sheet was obt either from sources which we believe are reliable, or based the present state of our knowledge and is intended to describe our products from the point of view of technical knowned However, the information is provided without any warrant	

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