Safety Data Sheet

Safety Data Sheet			
SECTION 1: Product and	company identification		
Product name	Con-Klean		
Use of the substance/mixture	Acid		
Product code	: 0140		
Company	Metropolitan Compounds 3343 N University Dr Hollywood FL - USA T (855) 474-6781		
Emergency number	: Chemtec: (800) 424-9300		
SECTION 2: Hazards iden	ntification		
2.1. Classification of the subs	stance or mixture		
Classification (GHS-US)			
Met. Corr. 1 H290 Skin Corr. 1B H314 STOT SE 3 H335			
Full text of H-phrases: see section	ion 16		
2.2. Label elements			
GHS-US labeling			
	GHS05 GHS07		
Signal word (GHS-US)	: Danger		
Hazard statements (GHS-US)	: May be corrosive to metals Causes severe skin burns and eye damage May cause respiratory irritation		
Precautionary statements (GHS	S-US) : Keep only in original container Do not breathe mist, spray Avoid breathing mist, spray Wash thoroughly after handling Use only outdoors or in a well-ventilated area Wear eye protection, protective clothing, protective gloves If swallowed: rinse mouth. Do NOT induce vomiting If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower If inhaled: Remove person to fresh air and keep comfortable for breathing If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a doctor, a POISON CENTER Call a doctor, a POISON CENTER Call a doctor, a POISON CENTER Call a doctor, a POISON CENTER if you feel unwell Specific treatment (see First aid measures on this label) Wash contaminated clothing before reuse Absorb spillage to prevent material damage Store in a well-ventilated place. Keep container tightly closed Store locked up Store in corrosive resistant container with a resistant inner liner Dispose of contents/container to comply with local/regional/national/international regulations.		

2.3. Other hazards No additional information available

2.4. Unknown acute toxicity (GHS US) Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable Full text of H-phrases: see section 16

Safety Data Sheet

Name	Product identifier	%	Classification (GHS-US)
hydrogen chloride	(CAS No) 7647-01-0	10 - 30	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Corr. 1B, H314 STOT SE 3, H335
UNDECETH-5	(CAS No) 34398-01-1	1.0 - 5.0	Acute Tox. 4 (Oral), H302 Eve Dam. 1, H318

4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact	 Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Fatal if swallowed. Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting. Drink plenty of water.
4.2. Most important symptoms and e	fects, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: Corrosive to the respiratory tract.
Symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
Symptoms/injuries after eye contact	: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/injuries after ingestion	: Fatal if swallowed. Burns to the gastric/intestinal mucosa.
4.3. Indication of any immediate med	ical attention and special treatment needed

SECTION 5: Firefighting measure	s
5.1. Extinguishing media	
Suitable extinguishing media	: All extinguishing media allowed.
5.2. Special hazards arising from the su	bstance or mixture
Reactivity	: Thermal decomposition generates : Carbon monoxide. Carbon dioxide. HCl. Chlorine.
5.3. Advice for firefighters	
Firefighting instructions	: Exercise caution when fighting any chemical fire. Use water moderately and if possible collect or contain it. Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective ed	juipment and emergency procedures
General measures	: Isolate from fire, if possible, without unnecessary risk.
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Protective goggles. Face-shield. Protective clothing.
Emergency procedures	: Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.
6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Stop leak if safe to do so. Stop release. Ventilate area.
6.2. Environmental precautions	
Avoid release to the environment. Prevent	soil and water pollution.
6.3. Methods and material for containn	
For containment	: Contain released substance, pump into suitable containers.
Methods for cleaning up	: This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections No additional information available

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SECTION 7: Handling and storage	ge
7.1. Precautions for safe handling	
Additional hazards when processed	: Do not spray to create mists. Do not heat to create vapors.
Precautions for safe handling	: Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
Hygiene measures	: Wash thoroughly after handling. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, inclu	ding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	: Keep container closed when not in use. Store in original container.
Incompatible products	: alkaline substances. metals and metal salts.
Incompatible materials	: chlorine-based bleaching agents. ammonia.
Storage area	: Keep only in the original container. Store in a dry area. Store in a cool area.
Special rules on packaging	: meet the legal requirements.

SECTION 8: Exposure controls/personal protection			
8.1. Control param	neters		
hydrogen chloride	e (7647-01-0)		
ACGIH	ACGIH Ceiling (ppm)	2 ppm	

8.2. Exposure controls Personal protective equipment

: Gloves. Safety glasses. Protective clothing. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



SECTION 9: Physical and chemical p	roperties	
9.1. Information on basic physical and che	mical properties	
Physical state	: Liquid	
Appearance	: Clear, green liquid.	
Odor	: acidic	
Odor threshold	: No data available	
рН	: 1	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: > 200 °F Closed Cup	
Relative evaporation rate (butyl acetate=1)	: No data available	
Flammability (solid, gas)	: No data available	
Explosion limits	: No data available	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Vapor pressure	: No data available	
Relative density	: No data available	
Relative vapor density at 20 °C	: No data available	
Specific gravity / density	: 1.1 g/ml	
Solubility	: Soluble in water.	
Log Pow	: No data available	
Log Kow	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Viscosity	: No data available	
Viscosity, kinematic	: No data available	

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Viscosity, dynamic VOC content : No data available

: < 0.5 %

SECTION 10: Stability and reactivity 10.1. Reactivity	
Fhermal decomposition generates : Carbon m	onoxide. Carbon dioxide. HCl. Chlorine.
0.2. Chemical stability No additional information available	
10.3. Possibility of hazardous reactions	
Refer to section 10.1 on Reactivity.	
10.4. Conditions to avoid No additional information available	
10.5. Incompatible materials May be corrosive to metals. Metals.	
10.6. Hazardous decomposition products Under normal conditions of storage and use, h	azardous decomposition products should not be produced.
SECTION 11: Toxicological informat	ion
1.1. Information on toxicological effects	
Acute toxicity	: Not classified
UNDECETH-5 (34398-01-1)	
LD50 oral rat	> 1400 mg/kg
hydrogen chloride (7647-01-0)	
LD50 oral rat	700 mg/kg
LC50 inhalation rat (mg/l)	1.68 mg/l
kin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 1
erious eye damage/irritation	: Not classified pH: 1
Respiratory or skin sensitization	: Not classified
Serm cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
hydrogen chloride (7647-01-0)	
IARC group	3 - Not Classifiable
eproductive toxicity	: Not classified
pecific target organ toxicity (single exposure)	: May cause respiratory irritation.
pecific target organ toxicity (repeated xposure)	: Not classified
spiration hazard	: Not classified
ymptoms/injuries after inhalation	: Corrosive to the respiratory tract.
symptoms/injuries after skin contact	: Caustic burns/corrosion of the skin.
symptoms/injuries after eye contact	: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
ymptoms/injuries after ingestion	: Fatal if swallowed. Burns to the gastric/intestinal mucosa.
ECTION 12: Ecological information	
2.1. Toxicity	
UNDECETH-5 (34398-01-1)	
LC50 fish 1	< 10 mg/l
EC50 Daphnia 1	< 10 mg/l
ErC50 (algae)	< 10 mg/l
2.2. Persistence and degradability	
hydrogen chloride (7647-01-0)	
Persistence and degradability	No (test)data on mobility of the components available.
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Wase disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. SECTION 14: Transport information : Department of Transport discription : : Transport document description : : : Poper Shipping Name (DOT) :: : : : UN-No.(DOT) :: : : : : : Poper Shipping Name (DOT) :: :	12.3. Bioaccumulative potential		
SECTION 1.1: Disposal considerations I.1. Wask treatment methods Wask disposal recommendations EDispose in a safe manner in accordance with local/national regulations. SECTION 1.4: Transport information Department of Transportation (DOT) Transport document description UN1789 Hydrochloric acid, 8, II UN1789 Proper Shipping Name (DOT) E. VI1789 Proper Shipping Name (Name (Name Name (Name Name Name (Name Name Name Name Name Name Name Name	hydrogen chloride (7647-01-0)		
13.1. Waste treatment methods > Dispose in a safe manner in accordance with local/national regulations. Waste disposal recommendations > Dispose in a safe manner in accordance with local/national regulations. SECTION 14.1 Charsport information > UN1789 Hydrochloric acid, 8, II UN-No.(OC) : UN1789 Hydrochloric acid, 8, II Proper Shipping Name (D7) : Hydrochloric acid Transport dass(se) (D07) : B - Class 8 - Corrosive material 49 CFR 173.136 Transport dass(se) (D07) : B - Class 8 - Corrosive Packing group (D07) : II - Medium Danger D07 Packaging Bun Bulk (49 CFR 173.xxx) : 202 D05 Special Provisions (49 CFR 173.xxx) : 202 D07 Packaging Bxceptions (49 CFR 173.xxx) : 204 D07 Vessel Stowage Location : 0 D07 Vessel Stowage Location : 0 D07 Vessel Stowage Location : 0 D07 Vessel Stowage Location : No suplementary information available. Control Act (TSSC7) D07 Vessel Stowage Location : No suplementary information available	Bioaccumulative potential	No test data of component(s) available.	
Wase disposal recommendations c Dispose in a safe manner in accordance with local/national regulations. SECTION 14 : Transport information (DOT) c With response to the response of the response	SECTION 13: Disposal consideration		
Section 14: Transport information Department of Transport and formation Department of Transport and formation Department of Transport and formation Transport document description I: UN1789 Hydrochloric acid. 8, II UN-No.(OC) I: UN1789 Proper Shipping Name (DOT) I: UN1789 Proper Shipping Proper (DOT) I: UN1789 Proper Shipping Proper (DOT) I: U	13.1. Waste treatment methods		
Department of Transportation (DOT) : UN1789 Hydrochloric acid, 8, II UNN-No. (DOT) : UN1789 Proper Shipping Name (DOT) : Hydrochloric acid Transport hazard class(es) (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136 Proper Shipping Name (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136 Packing group (DOT) : 1 - Medium Danger DOT Packaging Nam Bulk (49 CFR 173.xxx) : 202 DOT Packaging Storeptions (49 GFR 173.xxx) : 202 DOT Packaging Exceptions (49 GFR 173.xxx) : 204 DOT Packaging Exceptions (49 GFR 173.xxx) : 202 DOT Packaging Exceptions (49 GFR 173.xxx) : 204 DOT Quantity Limitations Passenger : 1 L Tarsopt Hazard 14 (49 CFR 173.7X) : : DOT Quantity Limitations Passenger : 1 L Tarsopt Hazard 14 (49 CFR 173.7X) : : DOT Quantity Limitations Cargo aircraft : 3 0 L No supplementary information available. : :	Waste disposal recommendations	pose in a safe manner in accordance with local/	national regulations.
Transport document description : UN1789 Hydrochloric acid, 8, II UN-No.(DOT) : UN1769 Proper Shipping Name (DOT) : Hydrochloric acid Transport hazard class(es) (DOT) : B - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) : B - Corrosive Facking group (DOT) : B - Orrosive Facking group (DOT) : B - Orrosive Facking group (DOT) : B - Orrosive Fackaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 202 DOT Packaging Exceptions (49 CFR 173.xxx) : 242 DOT Spacial Provisions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 173.27) : 154 T73.xxx) DOT Quantity Limitations Passenger : 1 DOT Quantity Limitations Passenger : 0 CAdditional information available DOT Vessel Stowage Location : C C Additional information available No additional information available Sterrosoft Stowage Location : C C CHORE Stowage Location : C C C C C C C C C C C C C C C C C C C	SECTION 14: Transport informatio		
UN-Na (OOT) : UN-T78 9 Proper Shipping Name (DOT) : Hydrochloric acid Transport Pazard class(es) (OOT) : B <- Class 8 - Corrosive material 49 CFR 173.136 +azard labels (DOT) : B <- Class 8 - Corrosive material 49 CFR 173.136 +azard labels (DOT) : B <- Corrosive Packing group (DOT) : B <- Corrosive Packaging DNO Buk (49 CFR 173.xxx) : 202 DOT Packaging Non Buk (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 202 DOT Packaging Exceptions (49 CFR 72.102) : A3A,68,83,815,182,N41,T8,TP2,TP12 DOT Quantity Limitations Passenger : 1 L arcordural (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft : 30 L DOT Quantity Limitations Cargo aircraft : 30 L DOT Vessel Stowage Location : C Additional information : No supplementary information available. Transport No additional information available SETCION 15: Regulatory information SETCION 15: Regulatory informa	Department of Transportation (DOT)		
Proper Shipping Name (DOT) I: Hydrochloric acid Transport hazard class(es) (DOT) I: B - Class B - Corrosive material 49 CFR 173.136 Hazard labels (DOT) I: B - Closs B - Corrosive material 49 CFR 173.136 Packing group (DOT) I: II - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) I: 242 DOT Packaging Non Bulk (49 CFR 173.xxx) I: 242 DOT Packaging Bulk (49 CFR 173.xxx) I: 343,68,3815,IB2,N41,T8,TP2,TP12 DOT Packaging Bulk (49 CFR 173.xxx) I: 154 T73.xxx) I: 30 L DOT Quantity Limitations Passenger I: 1 via drifting 11 (49 CFR 173.25) I: 30 L DOT Vessel Stowage Location I: 0 supplementary information available. Transport Max and Information available Transport Max and Information available Transport Max and Information available Sterumentary information available.	Transport document description	-	
Transport hazard class(es) (DOT) :: 8 - Class 8 - Corrosive material 49 CFR 173.136 Hazard labels (DOT) :: 8 - Corrosive Packing group (DOT) :: I - Medium Danger DOT Packaging Non Buk (49 CFR 173.xxx) : 202 DOT Packaging Non Buk (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 202 DOT Packaging Exceptions (49 CFR 172.102) : X3A,6,83,815,182,N41,78,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.102) : X3A,6,83,815,182,N41,78,TP2,TP12 DOT Packaging Exceptions (49 CFR 173.77) : : DOT Outly Limitations Cargo aircraft : : DOT Outly Limitations Cargo aircraft : : DOT Outly Limitations Cargo aircraft : : DOT Outly CFR 175.75) : : DOT Vessel Stowag Cargo aircraft : : No additional information available : : Attransport : : : No additional information available : : Attransport : : : No additional information available : : Strengert V sea : : : No additional information available : : : Strengert V sea : : : : No additional information available : : : : Strengert V sea : : : : : No additional informatio	UN-No.(DOT)		
Hazard labels (DOT) : 8 - Corresive Waching group (DOT) : 11 - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 242 DOT Packaging Buk (49 CFR 173.xxx) : 242 DOT Packaging Exceptions (49 CFR 172.102) : A3.A6.B3.B15.JB2.N41.T8.TP2.TP12 DOT Packaging Exceptions (49 CFR 173.27) : 30 L DOT Outonity Unitations Passenger : 1 L arrearging the filter of the specific of the supplementary information available. TRANGENTON No additional information available Transport Posea No additional information available SECTION 15: Regulatory information Na diditional information available SECTION 15: Regulatory information All components of this product are listed, or exclused from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Chemical(S) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride			
Packing group (DOT) : II - Medium Danger DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Buk (49 CFR 173.xxx) : 242 DOT Packaging Exceptions (49 CFR 173.xxx) : 154 '3.xxx) DOT Special Provisions (49 CFR 173.212) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR : 154 '3.xxx) DOT Quantity Limitations Passenger : 1 L arcrattrical (49 CFR 173.27) DOT Quantity Limitations Passenger : 3 0 L only (49 CFR 175.76) DOT Quantity Limitations Cargo aircraft : 30 L OT Vessel Stowage Location : C Additional information : No supplementary information available. ADB No additional information available Transport by sea No additional information available Transport by sea No additional information available SECTION 15: Regulatory information Additional information available SECTION 15: Regulatory information Control Act (TSCA) inventory. Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1866 and 40 CFR Para 172. hydrogen chloride : CAS No 7647-01-0 10 - 30			
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 242 DOT Special Provisions (49 CFR 172.102) : A3.A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.102) : A3.A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Quantity Limitations Passenger : 1 L aircratirali (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft : 30 L andly (49 CFR 173.77) DOT Quantity Limitations Cargo aircraft : 30 L andly (49 CFR 175.75) DOT Vessel Stowage Location : C Additional information Dot Vessel Stowage Location : No supplementary information available. ADR No additional information available Transport by sea No additional information available SECTION 15: Regulatory information At ransport No additional information available SECTION 15: Regulatory information At ransport by subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride : CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard			
DOT Packaging Non Bulk (49 CFR 173.xx) : 202 DOT Packaging Bulk (49 CFR 173.xx) : 242 DOT Special Provisions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Quantity Limitations Passenger : 1 L aircrattrait (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft : 30 L andly (49 CFR 173.77) DOT Vessel Stowage Location : C Additional information Dot Vessel Stowage Location : C Additional information available Transport by sea No additional information available SECTION 15: Regulatory information Air transport No additional information available SECTION 15: Regulatory information All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 186 and 40 CFR Part 372. hydrogen chloride CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes Immediate (acute) health hazard			
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202 DOT Packaging Bulk (49 CFR 173.xxx) : 242 DOT Special Provisions (49 CFR 172.102) : A3.A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.102) : A3.A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Quantity Limitations Passenger : 1 L aircratirali (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft : 30 L andly (49 CFR 173.77) DOT Quantity Limitations Cargo aircraft : 30 L andly (49 CFR 175.75) DOT Vessel Stowage Location : C Additional information Dot Vessel Stowage Location : No supplementary information available. ADR No additional information available Transport by sea No additional information available SECTION 15: Regulatory information At ransport No additional information available SECTION 15: Regulatory information At ransport by subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride : CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard			
DOT Packaging Non Bulk (49 CFR 173,xxx) : 202 DOT Packaging Bulk (49 CFR 173,xxx) : 242 DOT Special Provisions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.202) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Quantity Limitations Passenger : 1 L aircratirali (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft : 30 L and/(49 CFR 173.77) DOT Quantity Limitations Cargo aircraft : 30 L and/(49 CFR 175.75) DOT Vessel Stowage Location : C Additional information Dot Vessel Stowage Location : No supplementary information available. ADR No additional information available Transport by sea No additional information available SECTION 15: Regulatory information At transport No additional information available SECTION 15: Regulatory information At transport by subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride : CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard		•	
DOT Packaging Non Bulk (49 CFR 173,xxx) : 202 DOT Packaging Bulk (49 CFR 173,xxx) : 242 DOT Special Provisions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.202) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Quantity Limitations Passenger : 1 L aircratirali (49 CFR 173.27) DOT Quantity Limitations Cargo aircraft : 30 L and/(49 CFR 173.77) DOT Quantity Limitations Cargo aircraft : 30 L and/(49 CFR 175.75) DOT Vessel Stowage Location : C Additional information Dot Vessel Stowage Location : No supplementary information available. ADR No additional information available Transport by sea No additional information available SECTION 15: Regulatory information At transport No additional information available SECTION 15: Regulatory information At transport by subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride : CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes : Immediate (acute) health hazard	Packing group (DOT)	Medium Danger	
DOT Packaging Bulk (49 CFR 173.xx) : 242 DOT Packaging Exceptions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR 173.xx) : 154 T3.xx) : 1 L DOT Quantity Limitations Passenger : 1 L aircraft/rail (49 CFR 173.75) : 30 L DOT Quantity Limitations Cargo aircraft : 30 L only (49 CFR 175.75) : 0 DOT Vessel Stowage Location : C Additional information Other information Other information available Transport by sea No additional information available Air transport by sea No additional information available SECTION 15: Regulatory information SECTION 15: Regulatory information SECTION 15: Regulatory information Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1966 and 40 CFR Part 372. Nydrogen chloride CAS No 7647-01-0 10 - 30		_	
DOT Special Provisions (49 CFR 172.102) : A3,A6,B3,B15,IB2,N41,T8,TP2,TP12 DOT Packaging Exceptions (49 CFR : 154 T/3.xxx) : 1 L DOT Quantity Limitations Passenger : 1 L aircraftrail (49 CFR 173.27) : : DOT Quantity Limitations Cargo aircraft : 30 L only (49 CFR 175.75) : : DOT Vessel Stowage Location : : Other information : . No additional information available . Transport by sea No additional information available . Aft ransport No additional information available . SECTION 15: Regulatory information control Act (TSCA) inventory Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 186 and 40 CFR Part 372 hydrogen chloride . VINDECETH-5 (34398-01-1) . SARA Section 311/312 Hazard Classes .			
DOT Packaging Exceptions (49 CFR : 154 173.xxx) : DOT Quantity Limitations Passenger : 1 aircraft/rail (49 CFR 173.27) : 30 L DOT Quantity Limitations Cargo aircraft : 30 L DOT Vessel Stowage Location : C Additional information Other information available Transport by sea No additional information available Sectron 15: Regulatory information All components of this product are listed, or exclude from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) KARA Section 311/312 Hazard Classes Immediate (acute) health hazard	DOT Special Provisions (49 CFR 172.102)	A6,B3,B15,IB2,N41,T8,TP2,TP12	
aircraft/rail (49 CFR 173.27) DCT Quantity Limitations Cargo aircraft : 30 L only (49 CFR 175.75) DCT Vessel Stowage Location : C Additional information Other information : No supplementary information available. ADR No additional information available Transport by sea No additional information available SECTION 15: Regulatory information All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes Immediate (acute) health hazard	DOT Packaging Exceptions (49 CFR 173.xxx)		
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Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. hydrogen chloride CAS No 7647-01-0 UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes	ADR		
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1986 and 40 CFR Part 372. CAS No 7647-01-0 10 - 30 hydrogen chloride CAS No 7647-01-0 10 - 30 UNDECETH-5 (34398-01-1) Immediate (acute) health hazard SARA Section 311/312 Hazard Classes Immediate (acute) health hazard	All components of this product are listed, or Control Act (TSCA) inventory.	d from listing, on the United States Environmen	tal Protection Agency Toxic Substances
UNDECETH-5 (34398-01-1) SARA Section 311/312 Hazard Classes Immediate (acute) health hazard	Chemical(s) subject to the reporting requirer 1986 and 40 CFR Part 372.	f Section 313 or Title III of the Superfund Amen	dments and Reauthorization Act (SARA) of
SARA Section 311/312 Hazard Classes Immediate (acute) health hazard	hydrogen chloride	CAS No 7647-01-0	10 - 30
	UNDECETH-5 (34398-01-1)		
hydrogen chloride (7647-01-0)	SARA Section 311/312 Hazard Classes	mmediate (acute) health hazard	
	hydrogen chloride (7647-01-0)		

Safety Data Sheet

hydrogen chloride (7647-01-0)		
Not listed on SARA Section 313 (Specific toxic chemical listings) Listed on SARA Section 313 (Specific toxic chemical listings)		
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb	

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

SECTION 16: Other information

Training advice

: Normal use of this product shall imply use in accordance with the instructions on the packaging.

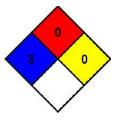
Full text of H-phrases:

Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Met. Corr. 1	Corrosive to metals Category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation

NFPA health hazard : 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard : 0 - Materials that will not burn.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.