






SAFETY DATA SHEET

This SDS is prepared in accordance with OSHA 29 CFR 1910.1200

Section 1. Chemical Product and Company Identification			
Product Name/Trade Name	COWFLO	Code	0436
Synonym	Not applicable	CAS #	Not Applicable.
Chemical Family	Inorganic acid	Validation Date	6/17/2022
Chemical Formula	HCl (in aqueous solution)	In Case of Emergency	Chemtrec (800)424-9300
Manufacturer/Supplier	Acme Soap Company 4351 Director Dr San Antonio, TX 78219 210-731-9800	Protective Clothing  	
TSCA	TSCA Inventory: All components listed or are exempt from listing		

Section 2. Hazards Identification			
Potential Acute Health Effects	Causes severe skin burns and eye damage. Can be fatal if swallowed.		   SDS (Pictograms)
Potential Chronic Health Effects	Not known or expected from this product.		
Signal Word	Danger Poison		
Carcinogenic Effects	Not classified or listed by IARC, NTP, OSHA, EU AND ACGIH.		



Section 3. Information on Hazardous Ingredients			
Chemical Name	Hydrochloric acid	20-30%	
Trade Name	COWFLO		
Synonyms	Muriatic acid, Hydrogen chloride		
CAS	7647-07-0		
Chemical Formula	HCl (in aqueous solution)		
Chemical Family	Inorganic acid		

Section 4. First Aid Measures	
Eye Contact	Flush eyes and under the eyelids with running water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing and get immediate medical attention.
Skin Contact	Flush thoroughly with soap and cool water. Remove and wash contaminated clothing before reuse. Thoroughly clean shoes before re-use.
Inhalation	Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Ingestion	Do Not Induce Vomiting. Drink water in large amounts and call a physician immediately. Avoid alcohol. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures	
Products of Combustion	Non-flammable
Fire Fighting Media and Instruction	Use extinguishing media that are appropriate to local circumstances and surrounding environment.
Special Remarks on Fire Hazards	Use personal protective equipment.
Special Remarks on Explosion Hazards	N/A

Section 6. Accidental Release Measures	
Small Spill and Leak	Dike and contain spill with inert material (sand, earth, etc.) collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water.
Large Spill and Leak	Dike and contain spill with inert material (sand, earth, etc.) collect spill with mop, absorbent material (example: floor-dri) or vacuum. Thoroughly rinse affected area with water. Do not allow material to reach a waterway.
Personal Protection in Case of a Large Spill	Approved safety goggles or glasses. Natural rubber or synthetic gloves. Ensure clean-up is conducted by trained personnel.

Section 7. Handling and Storage	
Precautions	Avoid contact with skin and eyes. Do not ingest. Wash hands thoroughly after using. Warning! Do not use with other products. May release dangerous gases (chlorine).
Incompatibility	Keep away from strong bases.
Storage	Keep out of reach of children. Store in tightly closed, properly labeled containers.


Section 8. Exposure Controls/Personal Protection									
Engineering Controls	Good general ventilation should be sufficient to control airborne levels.								
Personal Protection	<table border="0"> <tr> <td>Eyes</td> <td>Splash Goggles.</td> </tr> <tr> <td>Body</td> <td>Not required.</td> </tr> <tr> <td>Respiratory</td> <td>Not required.</td> </tr> <tr> <td>Hands</td> <td>Gloves (natural rubber or synthetic)</td> </tr> </table>	Eyes	Splash Goggles.	Body	Not required.	Respiratory	Not required.	Hands	Gloves (natural rubber or synthetic)
Eyes	Splash Goggles.								
Body	Not required.								
Respiratory	Not required.								
Hands	Gloves (natural rubber or synthetic)								
Protective Clothing (pictogram)	 								

Section 9. Physical and Chemical Properties			
Physical State and Appearance	Liquid.	Odor	Pungent
Molecular Weight	Not applicable		
pH	1-2	Color	Opaque white
Boiling/Condensation Point	212° F (100° C)		
Melting/Freezing Point	Not applicable		
Critical Temperature	Not Available.		
Instability Temperature	Not Available.		
Specific Gravity	1.34 (Water = 1)		
Vapor Pressure	Not Available.		
Vapor Density	Not Available.		
Volatility	75-95		
VOC	Not available.		
Evaporation Rate	Not Available.		
Dispersion Properties	Not available.		
Solubility	Complete in water		
The Product is:	Stable		
Auto-ignition Temperature	Not applicable		
Flash Points	Not applicable		
Flammable Limits	Not applicable		
Fire Hazards in Presence of Various Substances	No specific information is available in our database regarding the flammability of this product in the presence of various materials.		
Explosion Hazards in Presence of Various Substances	No specific information is available in our database regarding the product's risks of explosion in the presence of various materials.		

Section 10. Stability and Reactivity Data	
Stability	This product is stable.
Incompatibility with Various Substances	Do not use with bases or any product containing chlorine.
Hazardous Decomposition Products	Not available

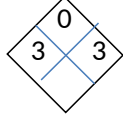
Section 11. Toxicological Information									
Routes of Entry	Skin absorption, Ingestion, Inhalation								
Acute Effects on Humans	<table border="0"> <tr> <td>Eyes</td> <td>Causes eye burns</td> </tr> <tr> <td>Skin</td> <td>Causes skin burns</td> </tr> <tr> <td>Inhalation</td> <td>Vapors and mist will irritate throat and respiratory system causing coughing.</td> </tr> <tr> <td>Ingestion</td> <td>Can be fatal if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.</td> </tr> </table>	Eyes	Causes eye burns	Skin	Causes skin burns	Inhalation	Vapors and mist will irritate throat and respiratory system causing coughing.	Ingestion	Can be fatal if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.
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Chronic Effects on Humans	Prolonged inhalation may be harmful.								
Special Remarks on Chronic Effects on Humans	No additional remark.								

Section 12. Ecological Information	
Ecotoxicity	Not available.
BOD5 AND COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	
Biodegradation	No additional remark.
Section 13. Disposal Considerations	
Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available

Section 14. Transport Information	
DOT (U.S.A.) (Pictograms)	
TDG Classification	Corrosive
PIN UN, Proper Shipping Name, PG	UN 1789, 8, PGII Hydrochloric acid
Maritime Transportation	Not available.
Special Provisions for Transport	Not available.

Section 15. Other Regulatory Information and Pictograms	
(Classification)	Poison - can be fatal if swallowed. Material causing other toxic effects.
Regulatory Lists	No products were found.
Other Regulations	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications	<table border="1"> <tr> <td>HCS (U.S.A.)</td> <td>HCS CLASS: Irritating Substance</td> </tr> <tr> <td>USA Regulatory Lists</td> <td> SARA Title III Section 302 Extremely Hazardous Chemicals: None Section 311/312 Hazard Category: Immediate Health Hazard Section 313 Toxic Chemicals: None State Regulations NOTICE STATE OF CALIFORNIA: Warning: this product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product. </td> </tr> <tr> <td>DSD (EEC) International Regulations Lists</td> <td>Controlled Product Hazard Class: Not dangerous goods</td> </tr> </table>	HCS (U.S.A.)	HCS CLASS: Irritating Substance	USA Regulatory Lists	SARA Title III Section 302 Extremely Hazardous Chemicals: None Section 311/312 Hazard Category: Immediate Health Hazard Section 313 Toxic Chemicals: None State Regulations NOTICE STATE OF CALIFORNIA: Warning: this product may contain chemicals known to the State of California to cause cancer or reproductive defects as trace impurities in the standard industrial materials used in the manufacture of this product.	DSD (EEC) International Regulations Lists	Controlled Product Hazard Class: Not dangerous goods
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Hazardous Material Information System (U.S.A.)	Health	3	National Fire Protection Association (U.S.A.)		Flammability
	Flammability	0			Health
	Physical Hazard	3			Instability

The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

Section 16. Other Information

Prepared by B. Stratil

Information Contact	Acme Soap Company
	4351 DIRECTOR DRIVE
	San Antonio, TX 78219

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.