SAFETY DATA SHEET

ACP 446 – Active Porcelain Cleaner **Date: 08/14/2024**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name Active Porcelain Cleaner

Other Means of Identification
Product Class Quaternary Ammonium Compound
EPA Registration Number 1839-104-5747
Product Code ACP-446

Recommended Use of the Chemical and Restrictions on Use
Recommended Use Ready to use disinfectant cleaner deodorizer

Details of the Supplier of the Safety Data Sheet
Manufacturer Address Arrow Chemical Products, Inc.
5933 W. KL Ave.
Kalamazoo, MI 49009

Emergency Telephone Number
Company Phone Number 313-237-0277
Emergency Telephone INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Skin corrosion/ Irritation	Category 1 Sub-Category B
Serious eye damage/eye irritation	Category 1

Signal Word **DANGER**

Hazard Statements
Harmful if swallowed
Harmful if inhaled
Causes severe skin burns and eye damage
May cause respiratory irritation. May cause drowsiness or dizziness

OSHA/HCS status: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Read complete product label.

NOTE: Pictograms not permitted on label. EPA Reg. Product
See section 15 Regulatory Information

Appearance: Blue **Physical State:** Liquid **Odor:** Acid

Precautionary Statements - Prevention
Use only outdoors or in a well-ventilated area
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

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician .
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a doctor or poison control center. Rinse mouth. DO NOT induce vomiting

Precautionary Statements - Storage
Store locked up. Keep container tightly closed when not in use. Store in a cool, well ventilated place. Store away from incompatible materials. KEEP OUT OF REACH OF CHILDREN.

Precautionary Statements - Disposal
Dispose of contents/container in accordance with all regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Hydrochloric Acid	7647-01-0	10 - 25
Alkyl Dimethyl Ammonium Chloride	85409-23-0	0 - 5
Alkyl dimethyl ethylbenzyl ammonium chloride	68391-01-5	0 - 5

4. FIRST AID MEASURES

First Aid Measures — **Immediate medical attention is required. Have the container or label with you when calling a poison control center, doctor, or going for treatment**.

Inhalation — Move to fresh air. If breathing is difficult give oxygen. If symptoms persist, call a physician.

Eye Contact — **Immediate medical attention is required.**
Immediately flush with plenty of water. Remove contact lenses and continue flushing with water for 15 minutes

Ingestion — **Call a poison control center or doctor immediately.**
Do NOT induce vomiting. Rinse mouth. Drink 4 to 8 oz. (120-240 ml) of water or milk as soon as possible after ingestion. Never give anything by mouth to an unconscious person.

Skin Contact — **Immediate medical attention is required.**
Take off contaminated clothing. Rinse skin with plenty of water for 15 minutes. Call a poison control center or doctor for treatment advice. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians — Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. Treat Symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use an extinguishing agent suitable for the surrounding fire (except unsuitable listed below)

Unsuitable Extinguishing Media
Most foams will react with the material and release corrosive/toxic gasses.

Specific Hazards Arising from the Chemical
Thermal decomposition can lead to release of irritating and toxic gasses and vapors. In the event of fire and/or explosion do not breathe fumes.

Hazardous Combustion Products Hydrogen. Chlorine gas.

Protective Equipment and Precautions for Firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

Flammable Properties
Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Immediately evacuate personnel to safe areas. Avoid contact with skin, eyes, or clothing. Wear appropriate protective equipment and clothing during clean-up. Do not breathe vapors.

Methods and Material for Containment and Cleaning Up

Methods for Containment Keep unnecessary and unprotected personnel away. Contain the material using barriers of absorbent pigs, clay absorbent or earth dams. Dike far ahead of liquid spill for later disposal. Dispose of waste material according to local, state, and governmental requirements.

Methods for Cleaning Up For small spills: absorb material with clay absorbent or other compatible material. Dispose of the waste material according to local, state and government requirements. For large spills: Soak up with inert absorbent material and neutralize with sodium carbonate. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Prevent product from entering drains. Dam up. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Do not taste or swallow. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place with a temperature not lower than 50°F or higher than 120°F. Store out of direct sunlight, and away from incompatible materials. .

Incompatible Materials Incompatible with amines, alkali, copper, zinc. Attacks many metals producing extremely flammable hydrogen gas. Incompatible with strong acids, bases, and oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Hydrogen Chloride 7647-01-0	Ceiling: 2 ppm	Ceiling: 5 ppm Ceiling: 7 mg/m^3	IDLH: 50 ppm Ceiling: 5 ppm Ceiling: 7 mg/m^3-

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower should be close to workstation.

Individual Protection Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. See our recommendations:

Eye/Face Protection Tight sealing safety goggles, face protection shield.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive pressure supplied air respirators may be required for high airborne contaminant concentrations.

General Hygiene Considerations When using this product do not eat, drink, or smoke. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	**Odor**	Acid
Color	Blue	**Odor Threshold**	N/A

Property	Values	Remarks • Method
pH	< 1	
Flash Point	>200 ° F	
Evaporation Rate	Not determined	
Specific Gravity	1.03	
Viscosity	Not determined	
RVOC Content	0%	
Explosion Hazards	Not determined	
Water Solubility	Complete	

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal use, storage and transport conditions.

Possibility of Hazardous Reactions

None under normal processing and storage.

Conditions to Avoid

Avoid contact with incompatible materials. Do not mix this product with any other product.

Incompatible Materials
Incompatible with amines, alkali, copper, zinc. Incompatible with strong acids, bases, and oxidizing agents. Attacks many metals producing extremely flammable hydrogen gas.

Hazardous Decomposition Products
Under normal conditions of storage and use, hazardous reactions will not occur.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation Inhalation of corrosive fumes/gasses may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Eye Contact Corrosive, contact with eyes may cause serious eye damage including blindness.

Skin Contact Corrosive, contact causes burns.

Ingestion Harmful if swallowed. Causes burns of the upper digestive and respiratory tracts.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Chloride 7647-01-0	=700 mg/kg (Rat)	>5010 mg/kg (Rabbit)	=3124 ppm (Rat) 1h

Information on Physical, Chemical and Toxicological Effects

Symptoms Inhalation of corrosive fumes/gasses may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, OSHA, IARC or NTP.

Numerical Measures of Toxicity Not determined.

Unknown Acute Toxicity None known

12. ECOLOGICAL INFORMATION

Ecotoxicity
This product may be harmful to aquatic life if released into the environment.

Persistence and Degradability No information available

Bioaccumulation No information available

Other Adverse Effects No information available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal of this product, solutions and any by-products must comply with the requirements of the EPA and regional local authority requirements

Containers Disposal should be in accordance with the requirements of the EPA and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

U.S. DOT (Ground Transportation) **12/32 OZ. Quart Cases & 4/Gal Cases – Status: Label/Placard exception: U.S. DOT CFR 173.154**

DOT

UN/ID No	UN3264
Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid)
Hazard Class	8
Packing Group	II

IATA

UN/ID No	UN3264
Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid)
Hazard Class	8
Packing Group	II

IMDG

UN/ID No	UN3264
Proper Shipping Name	Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid)
Hazard Class	8
Packing Group	II

15. REGULATORY INFORMATION

International Inventories A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country (s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country (s).

TSCA	United States Toxic Substances Control Act Section 8(b) Inventory	Yes
DSL	Canadian Domestic Substances List	Yes
NDSL	Non-Domestic Substances List	Yes
EINECS	European Inventory of Existing Chemical Substances	Yes
ELINCS	European List of Notified Chemical Substances	Yes
ENCS	Japan Existing and New Chemical Substances	No
IECSC	China Inventory of Existing Chemical Substances	Yes
KECL	Korean Existing and Evaluated Chemical Substances Yes	Yes
PICCS	Philippines Inventory of Chemicals and Chemical Substances	Yes
New Zealand	New Zealand Inventory	Yes

US Federal Regulations

This product is a U.S. EPA registered disinfectant. This product is a pesticide registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals.

EPA Registration Number 1839-104-5747

CERCLA Reportable Quantity The following components are listed:

Chemical Name	CAS Number	CERCLA RQ
Hydrochloric acid	7647-01-0	5000 lbs.

SARA 313 No chemical (s) components of this product are subject to reporting levels established by SARA Title III, Section 313.

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrogen Chloride 7647-01-0	X	X	X

California Proposition 65 No ingredients listed

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	
	2	1	0	
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	1	0	D

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet