SAFETY DATA SHEET

COMPLEX

1. Product and Company Identification

Product Code: 4503
Product Name: COMPLEX

Revision: 04/20/2023
Supersedes Revision: 06/29/2017

Manufacturer Information: PDQ Manufacturing, Inc.
201 Victory Circle
Ellijay, GA 30540

Phone Number: (706)636-1848

Web site address: www.pdqonline.com

Emergency Contact: Chemtrec (800)424-9300 / 24 Hr.
Leak, Spill, Exposure, Fire, Accident

Supplier Name and Address:

Phone Number:

2. Hazards Identification

Acute Toxicity: Inhalation, Category 4
Skin Corrosion/Irritation, Category 1A

GHS Signal Word: **Danger**

GHS Hazard Phrases:
H314 - Causes severe skin burns and eye damage.
H332 - Harmful if inhaled.

GHS Precaution Phrases:
P261 - Avoid breathing fumes and vapors.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves and eye protection.

GHS Response Phrases:
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.
P310 - Immediately call a POISON CENTER or doctor/physician.
P321 - Specific treatment see section 4 of this SDS.
P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:
P405 - Store locked up.
P501 - Dispose of contents/container via local/regional/national/international regulation.

Potential Health Effects (Acute and Chronic):

Inhalation: Inhalation of vapor may cause respiratory tract irritation.

Skin Contact: Causes severe skin irritation and burns.

Eye Contact: Causes serious eye damage.

Ingestion: Causes severe digestive tract burns with abdominal pain, vomiting, and possible death.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7647-01-0	Hydrochloric acid {Hydrogen chloride}	5.0 -15.0 %

4. First Aid Measures

Emergency and First Aid Procedures:

In Case of Inhalation: If breathed in, move person into fresh air. If breathing becomes difficult, call a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. Fire Fighting Measures

Flash Pt: NA Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Autoignition Pt: No data.

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.
Further information. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards: No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

Environmental Precautions: Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Handle and open container with care.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CEIL: 5 ppm	CEIL: 2 ppm)	No data.

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Safety glasses with side-shields conforming to EN166.

Protective Gloves: Handle with gloves.

Other Protective Clothing: Impervious clothing.

Engineering Controls (Ventilation etc.): There are no special ventilation requirements.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls: Do not let product enter drains.

9. Physical and Chemical Properties

Physical States: [ ] Gas [X] Liquid [ ] Solid

Appearance and Odor: Clear dark purple liquid
Acidic sweet odor.

Melting Point: NA

Boiling Point: No data. - 100.00 C

Autoignition Pt: No data.

Flash Pt: NA Method Used: Estimate

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): ~ 1.1

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Evaporation Rate: No data.

Solubility in Water: Complete

Viscosity: Thin

pH: < 2

Percent Volatile: No data.

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions To Avoid - Instability: No data available.

Incompatibility - Materials To Avoid: Strong bases, Chlorine Bleach.

Hazardous Decomposition or Byproducts: Hydrogen chloride gas.

Possibility of Hazardous Reactions: Will occur [ ] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

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11. Toxicological Information

Toxicological Information: No data available.

Sensitization: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7647-01-0	Hydrochloric acid {Hydrogen chloride}	n.a.	3	A4	n.a.

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (Hydrochloric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3264 **Packing Group:** II

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7647-01-0	Hydrochloric acid {Hydrogen chloride}	Yes 500 LB	Yes 5000 LB	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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16. Other Information

Revision Date: 04/20/2023

Preparer Name: Regulatory Affairs

Hazard Rating System:

HMIS:

HEALTH	2
FLAMMABILITY	0
REACTIVITY	2
PPE	B

Additional Information About This Product: No data available.

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.