

MATERIAL SAFETY DATA SHEET

Prepared According to 29 CFR 1910, 1200

N/A (Not Applicable) N/E (Not Established)

SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: Poly Ortho
GENERIC NAME: Toilet Bowl Cleaner
CHEMICAL FAMILY: Acid Mixture

PROPER SHIPPING NAME: Corrosive Liquid,
N.O.S., 8 UN1760 (Hydrochloric Acid)

HMIS HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

HEALTH _____ 3
FLAMMABILITY _____ 0
REACTIVITY _____ 2
PERSONAL PROTECTION _____ D

HAZARD RATING

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

SECTION II - HAZARDOUS INGREDIENTS IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS#	TLV	% WT (OPT)
Hydrochloric acid	7647-01-0	5ppm	<35%

SECTION III - PHYSICAL DATA

PHYSICAL DESCRIPTION:
Opaque liquid
BOILING RANGE (°F): 208°F
VAPOR PRESSURE: N/E
% VOLATILE: N/A
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY: 1.12
EVAPORATION RATE: N/E
pH: <1

SECTION IV - SPECIAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION: None normally needed
PROTECTIVE GLOVES: Impervious
EYE PROTECTION: Safety glasses recommended
VENTILATION: Room ventilation is generally adequate
OTHER PROTECTIVE EQUIPMENT: Sufficient to prevent skin contact.
Eyewash and shower located near the workplace.

SECTION V - REACTIVITY DATA

STABILITY: Stable
INCOMPATIBILITY (Materials to Avoid): Strong acids and most metals

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen and/or chlorine gas

HAZARDOUS POLYMERIZATION:
Will not occur

SECTION VI - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): N/A
UPPER EXPLOSIVE LIMIT: N/A **LOWER EXPLOSIVE LIMIT:** N/A
EXTINGUISHING MEDIA: Use appropriate extinguishing media for the surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Self contained breathing apparatus and full protective clothing should be worn when fighting fires involving chemicals.
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION VII - FIRST AID

EYES: Flush with water for at least 15 minutes, be sure to keep eyelids opened. Get immediate medical attention if irritation persists.
SKIN: Wash with plenty of soap and water. Wash contaminated clothing before wearing. Get medical attention if irritation persists.
INGESTION: Give milk or water to dilute. DO NOT INDUCE VOMITING. Get immediate medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
INHALATION: Remove victim to fresh air. If person is having difficulty in breathing, perform artificial respiration and get immediate medical attention.

SECTION VIII - HEALTH HAZARDS

EFFECTS OF OVEREXPOSURE (Primary Route of Entry)
SKIN: Corrosive
EYES: Corrosive
INHALATION: Irritant
CARCINOGENS: None suspected
NTP: **OSHA:**
IARC: **ACGIH:**
OTHER:

SECTION IX - STORAGE AND HANDLING

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
Use common sense and sound industrial hygiene practices when handling this material as well as any other materials. Keep container closed when not in use. Wash hands after handling. Keep out of reach of children. Wear appropriate personal protection to avoid eye and skin contact.

SECTION X - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear necessary personal protective equipment. Evacuate all unnecessary personnel. Dike area to prevent spreading of the spilled material. Cover with an inert absorbent (sand, clay, etc.), shovel into appropriate containers, and dispose of in accordance with federal, state, and local regulations.
EMPTY CONTAINERS DISPOSAL: Any disposal practices must be in compliance with federal, state and local laws. Any questions regarding disposal should be directed to the proper government agency.

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