

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Poly Ortho II
PRODUCT USE: Cleaner
MANUFACTURED FOR: Warsaw Chemical Holdings LLC.
P.O. Box 858
Warsaw, IN 46581
INFORMATION PHONE: Tel: 1-800-548-3396
Fax: 1-574-267-3884
EMERGENCY PHONE: INFOTRAC
1-800-535-5053 USA & Canada
352-323-3500 International

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION: Acute Toxicity - Oral: Category 4
Acute Toxicity - Skin: Category 4
Acute Toxicity - Inhalation: Category 4
Eye Damage: Category 1

PICTOGRAMS:



GHS ELEMENTS:

SIGNAL WORD: Danger

HAZARD STATEMENT(S):
H302 | Harmful if swallowed.
H312 | Harmful if in contact with skin.
H332 | Harmful if inhaled.
H318 | Causes serious eye damage.

PRECAUTIONARY STATEMENT(S):
P261 | Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 | Wash any exposed body parts thoroughly after handling.
P270 | Do not eat, drink or smoke when using this product.
P271 | Use only outdoors or in a well-ventilated area.
P280 | Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 | IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 | IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 | Immediately call a POISON CENTER or doctor/physician.
P312 | Call a POISON CENTER or doctor/physician if you feel unwell.
P322 | Specific measures (see supplemental first aid instruction on this label if

immediate measures such as specific cleansing agent is advised).

P330 | Rinse mouth.

P363 | Wash contaminated clothing before reuse.

P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

ADDITIONAL PRECAUTIONS:

None Known

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	FUNCTIONAL PURPOSE	PERCENT
Hydrochloric acid 37%	7647-01-1	Acidity	60 - 70%
Nonionic Alkoxylate	9016-45-9	Surfactant	1 - 5%
Quaternary Ammonia Compound	not available	Biocide	1 - 5%
Styrene/acrylic copolymer 40%	Not Available	Opacifier	< 1.0%

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients known to be hazardous.

SECTION 4 - FIRST AID MEASURES

EYES:	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
SKIN:	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
INHALATION:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
GENERAL:	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY:	In a fire or if heated, a pressure increase will occur and the container may burst.
EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
PROTECTIVE EQUIPMENT:	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.
ADDITIONAL INFORMATION:	Thermal decomposition products-carbon monoxide, sulfur oxides, metal

oxide/oxides, halogenated compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.
ENVIRONMENTAL:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.
CONTAINMENT/CLEANUP:	Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

SECTION 7 - HANDLING AND STORAGE

SAFE HANDLING:	Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.
SAFE STORAGE:	Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:	Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eye-wash stations, showers where necessary.
EYE PROTECTION:	Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
RESPIRATORY PROTECTION:	Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.
HAND PROTECTION:	Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
SKIN PROTECTION:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT:	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Hydrochloric acid 37%	2.00	None	7.00
Nonionic Alkoxyate	None	None	None

Quaternary Ammonia Compound
Styrene/acrylic copolymer 40%

None
None

None
None

None
None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid	UPPER EXPLOSIVE LIMITS:	NA
COLOR:	White	LOWER EXPLOSIVE LIMITS:	NA
ODOR:	Acid	VAPOR PRESSURE:	NA
ODOR THRESHOLD:	NA	VAPOR DENSITY:	NA
PH:	00.1 - 02.0	RELATIVE DENSITY:	NA
MELTING POINT:	NA	SOLUBILITY:	NA
FREEZING POINT:	NA	PARTITION COEFFICIENT:	NA
BOILING POINT:	NA	AUTO-IGNITION TEMPERATURE:	NA
FLASH PT METHOD:	NA	DECOMPOSITION TEMPERATURE:	NA
FLASH POINT:	NA	SPECIFIC GRAVITY:	NA
EVAPORATION RATE:	NA	% VOLATILE:	NA
FLAMMABILITY:	Nonflammable	VISCOSITY (cst):	NA

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:	HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Reactive with metals.
CONDITIONS TO AVOID:	Avoid heat and open flames.
INCOMPATIBLE MATERIALS:	STRONG OXIDIZERS, ALKALIS - react with metals producing flammable hydrogen gas which can form explosive mixtures with air.
HAZARDOUS DECOMPOSITION PRODUCTS:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY:	Inhalation	X	Absorption	X	Ingestion
ACUTE EXPOSURE HAZARDS:					
EYE CONTACT:	Severe eye irritation, burns.				

DERMAL: Skin irritation, can cause burns with contact.
ORAL: Corrosive to mucous membranes.
INHALATION: MIST MAY BE MILD TO STRONG IRRITANT, CORROSIVE.

Hydrochloric acid 37% (CAS No. 7647-01-1)
Oral LD50: Rat 700 mg/kg
Inhalation LC50: 8.3 mg/L, 0.5h rat

Nonionic Alkoxylate (CAS No. 9016-45-9)
Oral LD50: Rat >2000 mg/kg

Quaternary Ammonia Compound (CAS No. not available)
Oral LD50: Rat 500-5000 mg/kg

Styrene/acrylic copolymer 40% (CAS No. Not Available)
Oral LD50: Greater than 5,000mg/Kg rat
Dermal LD50: Greater than 5,000mg/Kg rat

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.
PERSISTENCE & DEGRADABILITY: No data available.
BIOACCUMULATIVE POTENTIAL: No data available.
MOBILITY IN SOIL: No data available.
OTHER ADVERSE EFFECTS: No data available.

Hydrochloric acid 37% (CAS No. 7647-01-1)
Fish LC50: 3.25Mg/L, 96h Bluegill
Crustacean LC50: 4.92 mg/L, 48h Daphnia
Quaternary Ammonia Compound (CAS No. not available)
Fish LC50: 0.86mg/L 96h
Crustacean LC50: Daphnia 0.0058mg/L 48h

SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER: NA

SHIPPING NAME: Limited Quantity
 TECHNICAL NAME: Consumer Commodity
 HAZARD CLASS: NA
 PACKAGING GROUP: NA

SECTION 15 - REGULATORY INFORMATION

SARA 313 COMPONENTS	CAS NO.	% LESS THAN
Hydrochloric acid 37%	7647-01-1	60 - 70%
CALIFORNIA PROP. 65 COMPONENTS	CAS NO.	% LESS THAN
Nonionic Alkoxylate	9016-45-9	1 - 5%
Styrene/acrylic copolymer 40%	Not Available	< 1.0%

RQ: 5,000#

RTK: MA, PA, NJ

This product contains trace levels of an component known by the state of California to cause cancer, birth defects or other reproductive harm. Acetaldehyde (CAS# 75-07-0), Dioxane (CAS# 123-91-1), Ethylbenzene (CAS# 100-41-4) Ethylene Oxide (CAS# 75-21-8)

SECTION 16 - OTHER INFORMATION

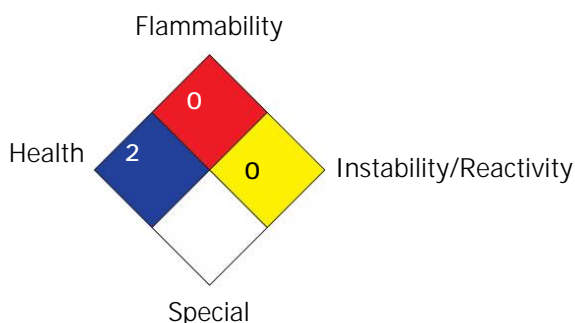
HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

Health Hazard	2
Fire Hazard	0
Reactivity	0
Personal Protection	C

- A Safety Glasses
- B Safety Glasses, Gloves
- C Safety Glasses, Gloves, Apron
- D Face Shield, Gloves, Apron
- E Safety Glasses, Gloves, Dust Respirator
- F Safety Glasses, Gloves, Apron, Dust Respirator
- G Safety Glasses, Gloves, Vapor Respirator
- H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- I Safety Glasses, Gloves, Dust & Vapor Respirator
- J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- K Airline Hood or Mask, Gloves, Full Suit, Boots
- X Consult your supervisor for special handling directions

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)



NFPA warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health, and reactivity hazards of chemicals.



Safety Data Sheet

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Version: 1.0022

Revision Date: 09/09/2022

Print Date: 09/09/2022

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