

Material Safety Data Sheet

DYNA-CLEAN™ Acid Cleaner and Presoak

Product Number: 58112

ISSUE DATE: August 2008 (Supersedes: December 2006)

CERTOL®

INTERNATIONAL, LLC

6120 E. 58th Avenue
Commerce City, CO 80022
Ph: (303) 799-9401
Toll Free: 1-800-843-3343
Fax: (303) 799-9408
24-Hour Emergency Telephone
INFOTRAC: 1-800-535-5053
www.certol.com

Certol International, LLC urges each recipient of the MSDS to read it carefully to understand the hazards associated with the product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology and fire prevention, as needed to understand the data in the MSDS.

To promote safe handling, each recipient of the MSDS should: (1) notify anyone using the material of the MSDS information regarding hazards or safety; (2) furnish the MSDS information to customers purchasing the product; and (3) request the customers furnish MSDS information to all users.

Emergency And First Aid Procedures

Swallowing: Rinse mouth and throat thoroughly with water. Drink large amounts of water. DO NOT induce vomiting. Do not give anything by mouth to an unconscious or convulsing person. Seek medical attention immediately.

Skin Contact: Wash skin with flowing water or shower. If irritation persists, seek medical attention.

Inhalation: Remove the affected victim from exposure. Administer artificial respiration if breathing stopped. Seek medical attention immediately.

Eye Contact: Flush eyes with water for 15 minutes. If irritation persists, seek medical attention.

1. Identification

Product Name: DYNA-CLEAN™ Acid Cleaner and Presoak
Chemical Name: Blend

2. Hazards

PRINCIPAL HAZARDOUS COMPONENTS	CAS #
Phosphoric Acid	7664-38-2
Ethylene Glycol BE	000111-76-2
Hydrochloric Acid	7647-01-0
Caustic Soda	1310-73-2

3. Physical Data

Appearance: Natural liquid
Odor: Lemon
Solubility in Water: Complete
Boiling Point: Above 183°F (84°C)
Freezing Point: Below 32°F (0°C)
Vapor Density (Air=1): > 1
Evaporation Rate (BuAc=1): < 1
Specific Gravity: 1.07 @ 68°F (20°C)
pH Concentrate: < 1

4. Fire and Explosion Hazard

Flash Point: No data
Flammable Limits in Air: No data
Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective equipment.
Unusual Fire and Explosion Hazards: None known
Extinguishing Media: No specific requirement

5. Health Hazard Data

COMPONENT	OSHA/PEL	ACGIH/TLV
Phosphoric Acid	1 mg/m ³	1 mg/m ³
Ethylene Glycol BE	25 ppm	20 ppm
Hydrochloric Acid	5 ppm ceiling	5 ppm ceiling
Caustic Soda	2 mg/m ³	2 mg/m ³

Effect of Overexposure:

Swallowing: May cause burns, nausea, vomiting, and diarrhea

Skin Contact: May cause irritation or burns if not washed immediately.

Inhalation: May cause irritation, coughing, nausea, and headache.

Eye Contact: May cause irritation and burns. Prolonged exposure may cause irreversible damage to eye.

Carcinogenicity:

NTR: No
IARC: No
OSHA: No

6. Reactivity Data

Stability: Stable at normal conditions
Conditions to Avoid: None known at normal conditions
Incompatibility (Materials to Avoid): Strong acids and oxidizers
Hazardous Combustion or Decomposition Products: None known at normal conditions
Hazardous Polymerization: Will not occur

7. Spill, Leak, and Waste Disposal Procedures

Steps to be Taken in Case Material is Released or Spilled: Sweep, scoop, or vacuum material and place in closed container. Flush residue with water. The wet, contaminated surface may be slippery.
Waste Disposal Method: Dispose according to all local, state, and federal regulations.

8. Handling and Storage

Store in a closed container in a cool, dry, well-ventilated place away from incompatible materials.
Keep out of reach of children.

9. Special Protection Information

Respiratory Protection: Not normally required. An acid resistant respirator may be used if vapor concentration is high.
Ventilation: Local exhaust or normal facility ventilation
Protective Gloves: Water-resistant gloves
Eye Protection: Safety goggles and/or face shield
Protective Clothing: Protective clothing or chemical resistant apron
Other Protective Clothing or Equipment: An eyewash station should be nearby and ready for use.

10. Regulation Information

Status On Substance List: None known
Federal EPA: None
State Right-To-Know: None known

11. Transportation Data

Proper Shipping Name: Corrosive Liquid, n.o.s. (contains Phosphoric Acid and Hydrochloric Acid),
DOT: UN1760, Class 8, P.G. III

CHEMICAL WARNING LABELS

Required on containers, tubs, and bottles, which are filled from original containers with potentially hazardous substances

Hazard rating corresponding to the NFPA Rating System:

- 4 - Extreme**
- 3 - High**
- 2 - Moderate**
- 1 - Slight**
- 0 - Insignificant**

NFPA HAZARD RATING

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 0

Chemical Warning Label - Certol International, LLC
DYNA-CLEAN™ Acid Cleaner and Presoak
 No wall reference is necessary

Product Name: DYNA-CLEAN™ Acid Cleaner and Presoak
Hazardous Chemicals: Phosphoric Acid, Ethylene Glycol BE, Hydrochloric Acid, and Caustic Soda
Personal Protection: Gloves, safety goggles, and/or face shield

<p><u>ROUTE OF ENTRY</u></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> Skin/eye absorption <p><u>TARGET ORGAN EFFECTS</u></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Respiratory <input type="checkbox"/> Heart <input type="checkbox"/> Kidney <input checked="" type="checkbox"/> Eyes <input checked="" type="checkbox"/> Skin <input type="checkbox"/> Prostate <input type="checkbox"/> Blood <input type="checkbox"/> Liver <input type="checkbox"/> CNS <input type="checkbox"/> Other 	<p><u>HEALTH HAZARD</u></p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Irritant <input type="checkbox"/> Carcinogen <input type="checkbox"/> Toxic <input type="checkbox"/> Sensitizer <input type="checkbox"/> Normal Material <p><u>PHYSICAL HAZARD</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Oxidizer <input type="checkbox"/> Acid <input type="checkbox"/> Alkali <input checked="" type="checkbox"/> Corrosive <input type="checkbox"/> Use no water <input type="checkbox"/> Radioactive 	<p><u>FIRE HAZARD</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Below 73°F (23°C) <input type="checkbox"/> Below 100°F (38°C) <input type="checkbox"/> Above 100°F (38°C) & not > 200°F (93°C) <input type="checkbox"/> Above 200°F (93°C) <input checked="" type="checkbox"/> Will not burn <p><u>REACTIVITY</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> May detonate <input type="checkbox"/> Shock and heat may detonate <input type="checkbox"/> Violent chemical change <input type="checkbox"/> Unstable if heated <input checked="" type="checkbox"/> Stable
--	--	--

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.