



Crystal Packaging, Inc.

Line Clean Two

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PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	Line Clean Two
Revision Date:	4/15/19
Version:	2
Chemical Family:	Solvent
Internal ID:	BP6035
Product Description:	Used with Line Clean One as a cleaner
Product Use:	Used in conjunction with Line Clean One (caustic) to clean brewery tanks and knock down "beer stone."
Instructions:	Used in conjunction with Line Clean One (caustic)
Supplier Details:	Crystal Packaging, Inc. 9155 Boston Street Henderson, CO 80640
Contact:	1-800-262-8200
Phone:	303-778-1805
Email:	accountant@crystalpackaging.com
Emergency:	Chemtrec

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HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Physical, Corrosive to Metals, 1
- Health, Acute toxicity, 4 Oral
- Health, Acute toxicity, 4 Dermal
- Health, Skin corrosion/irritation, 1
- Health, Acute toxicity, 5 Inhalation

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H290 - May be corrosive to metals
- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H314 - Causes severe skin burns and eye damage
- H333 - May be harmful if inhaled

GHS Precautionary Statements:

- P102 - Keep out of reach of children.
- P103 - Read label before use.
- P234 - Keep only in original packaging.
- P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 - Wash ... thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P304 + P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
- 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/doctor/...

**Crystal Packaging, Inc.****Line Clean Two****Hazards not Otherwise Classified (HNOC) or not Covered by GHS**

Route of Entry:	Eyes; Ingestion; Inhalation; Skin
Inhalation:	Can cause irritation and inflammation of the respiratory tract.
Skin Contact:	May cause irritation, tearing and redness. May cause burning.
Eye Contact:	May cause serious eye irritation. May cause permanent eye damage.
Ingestion:	Aspiration hazard: Harmful or fatal if swallowed.

3**COMPOSITION/INFORMATION OF INGREDIENTS**

Chemical Ingredients:			
CAS#	%	Chemical Name:	
0	44-50%	water	
7697-37-2	25-30%	Nitric acid	
7664-38-2	25-30%	Phosphoric acid (aqueous)	
9003-11-6	<1%	oxirane, methyl-, polymer with oxirane	

4**FIRST AID MEASURES**

Inhalation:	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Promptly flush skin with water until all chemical is removed. Get medical attention if needed. Remove contaminated clothing immediately. Wash with soap and water.
Eye Contact:	Immediately flush eyes with large amounts of water for at least 15 minutes, lifting eyelids occasionally to facilitate irrigation. Get immediate medical attention.
Ingestion:	Do not induce vomiting. Rinse mouth with water. Seek immediate medical attention.

5**FIRE FIGHTING MEASURES**

Product not flammable. Use suitable extinguishing media for adjacent fire.
Suitable extinguishing media: Dry powder, foam, carbon dioxide.
Special Precautions: Wear self contained breathing apparatus and other protective clothing.

6**ACCIDENTAL RELEASE MEASURES**

Avoid contact with eyes, skin, and clothing.
Do not discharge into drains. Evacuate area. Keep away from drains and ground water. Use personal protective equipment recommended in Section 8.
Neutralize spill with sodium bicarbonate or lime. Pick up excess with inert absorbant material and place into separate waste container.

7**HANDLING AND STORAGE**

Handling Precautions:	Avoid breathing vapors or mist. Avoid contact with eyes, skin, or clothing. Do not puncture or drop containers. Handle with care and avoid spillage on the floor (slippage). Keep material out of reach of children. Use approved containers only. Wash thoroughly after handling.
Storage Requirements:	Store in cool/dry area. Store in corrosion-proof area. Suitable packing materials. Keep away from incompatible materials (section 10).



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8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).
Use local exhaust at filling zones and where leakage is probable.

Personal Protective Equipment: Apron; Boots; Chemical goggles; Chemical safety glasses; Face shield; Chemical resistant gloves;
Gloves (solvent resistant)

Exposure Limits:

USA OSHA (TWA₅)/PEL): 1mg/m³

ACGIH (TWA/TLV): 1mg/m³

DFG (MAK): NA

Respiratory Protection: Respirator necessary if exposure levels are exceeded.

Ventilation: Use local exhasut at filling sites where leakage is probable.

Protective Gloves: Chemical, solvent resistant gloves.

Eye Protection: Chemical spalsh safety glasses/goggles and face shield.

Other Protective Equipment: Arpon and boots

9**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Liquid
Spec Grav./Density: 1.3556
pH: <2

10**STABILITY AND REACTIVITY**

Chemical Stability: Product is stable under normal conditions.
Conditions to Avoid: Extreme temperatures.
Materials to Avoid: Strong Oxidizers. Strong Acids. Metals.
Hazardous Decomposition: Not known.
Hazardous Polymerization: Will not occur.

11**TOXICOLOGICAL INFORMATION****Toxicity Data:**

Eye Effects: Causes burns. Severe to permanant eye damage.
Skin Effects: Corrosive to skin. May cause burning.
Accute Inhalation Effects: Corrosive to respiratory tract.
Chronic Effects: Not Known.
Carcinogenicity: Not Known.
Mutagenicity: Not Known.
Teratogenicity: Not Known.

12**ECOLOGICAL INFORMATION**

Elimination (persistence and degradability): Not known.

Harmful to aquatic life.

**Crystal Packaging, Inc.****Line Clean Two****13****DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state, and federal regulations.

14**TRANSPORT INFORMATION**

UN1805, Phosphoric acid solution, 8, PGIII

Bulk Hazard Only.

**15****REGULATORY INFORMATION**

[%] RQ (CAS#) Substance - Reg Codes

[44-50%] Water (0)

[25-30%] RQ(1000LBS), Nitric acid (7697-37-2) CERCLA, CFATS, CSWHS, EHS302, EPCRAWPC, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

[25-30%] RQ(5000LBS), Phosphoric acid (aqueous) (7664-38-2) CERCLA, CSWHS, EPCRAWPC, MASS, NJHS, OSHAWAC, SARA313, TSCA, TXAIR

[<1%] Oxirane, methyl-, polymer with oxirane (9003-11-6) TSCA

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

RQ = Reportable Quantity

CERCLA = Superfund clean up substance

CFATS = DHS Chemicals of Interest

CSWHS = Clean Water Act Hazardous substances

EHS302 = Extremely Hazardous Substance

EPCRAWPC = EPCRA Water Priority Chemicals

MASS = MA Massachusetts Hazardous Substances List

NJEHS = NJ Extraordinarily Hazardous Substances

NJHS = NJ Right-to-Know Hazardous Substances

OSHAPSM = OSHA Chemicals Requiring process safety management

OSHA = OSHA Workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

SARA313 = SARA 313 Title III Toxic Chemicals

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level



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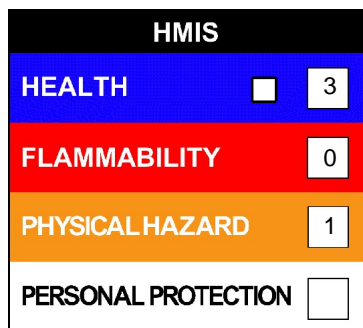
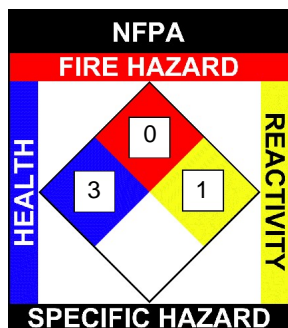
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OTHER INFORMATION

NFPA: Health = 3, Fire = 0, Reactivity = 1, Specific Hazard = n/a

HMIS III: Health = 3, Fire = 0, Physical Hazard = 1



Disclaimer:

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

This information is given in good faith and based on our current knowledge of the product.

Revision Date: 4/15/19