

SAFETY DATA SHEET

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Product Name: Lo-PH Vehicle Prep
Product Use: Acid Prep for vehicle wash
Product Codes: WH-351
Date of Issue: 02/11/2015
Emergency Telephone Number:
CALL INFOTRAC - DAY OR NIGHT (800) 535-5053 INTL: (352) 323-3500



Manufactured for:
H&P Associates, Inc.
DBA WorkHorse Cleaner Products
P O Box 1086
Fairhope, AL 36533
For other information call (251) 510-3614

2. HAZARDS IDENTIFICATION

GHS - Signal Word: DANGER

GHS - Classification:

Acute toxicity - Oral - Category 5, Inhalation - Category 3

Skin corrosion - Category 1B

Serious eye damage - Category 1

Aqute aquatic toxicity - Category 3

GHS - Hazard Statement:

H303 - Harmful if swallowed

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H335 - May cause respiratory irritation

GHS - Prevention Statement:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

P262 - Do not get in eyes, on skin, or on clothing

P264 - Wash thoroughly after handling

P280 - Wear protective gloves, protective clothing, eye and face protection

GHS - Response Statement:

P301 + P331 + P310 - IF SWALLOWED: DO NOT induce vomiting. Immediately call a POISON CENTER or Doctor/Physician

P303 + P361 + P352 - IF ON SKIN(or hair): Remove immediately all contaminated clothing. Rinse skin with plenty of soap and water

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Potential Health Effects:

Skin: Harmful if absorbed through skin. Cause skin burns

Eyes: May cause severe irritation, pain, and burns

Inhalation: Toxic if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract

Ingestion: Harmful if swallowed

GHS HAZARD PICTOGRAM(S):



GHS05

GHS07

HAZARD RATINGS	HMIS	NFPA
Health	3	3
Flammability	0	0
Reactivity	0	0
PPE	X	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	EINECS Number	CAS Number	% Range	OSHA, PEL	ACGIH, TLV
Hydrochloric Acid	231-595-7	7647-01-0	10 - 30	Not Determined	2 ppm(Ceiling)
2-Butoxyethanol	203-905-0	111-76-2	1 - 10	50 ppm	20 ppm

4. FIRST AID MEASURES

EYE CONTACT:

Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lens after the first 2 minutes.

Get medical attention immediately.

SKIN CONTACT:

Immediately flush with water. Remove all contaminated clothing and continue flushing with water. Wash contaminated areas with soap and water.

Thoroughly clean and dry contaminated clothing before reuse. If irritation persists, seek medical attention.

INHALATION:

Move exposed person to fresh air. If irritation persists, seek medical attention.

INGESTION:

Never give anything by mouth to an unconscious or convulsive person. Do NOT induce vomiting. Drink several glasses of water. Get medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash Point None, non-flammable.

Flammable Limits Not available

Extinguishing Media Use media appropriate for surrounding fire. Cool fire-exposed containers with water spray.

Fire Fighting Procedures As in any fire, wear NIOSH/MSHA approved, pressure-demand self-contained breathing apparatus and full protective gear. Extreme heat or contact with metals can release toxic hydrogen chloride gas.

6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE:

Spills are unlikely due to packaging. Small spills can be taken up with an absorbent and placed in a clean dry container for later disposal. Wear appropriate personal protection equipment as specified in Section 8. Do not flush to sewer or waterways. Add soda ash to neutralize area. Flush area with large amounts of water. US regulations(CERCLA) require reporting spills and release to soil, water and air in excessive of reportable quantities

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7. HANDLING & STORAGE

- Handling** Wear protective equipment (See Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing any vapor mists. Keep in the original container. Do not use container for other purposes. Keep bungs/fittings closed tightly when not in use. Keep away from alkalis. Wash thoroughly after handling.
- Storage** Store between the following temperatures 4.44°C to 48.9°C(40°F to 120°F). Store tightly closed containers in a cool, dry area away from incompatible materials (See Section 10) and food and drink. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Provide adequate local exhaust ventilation to maintain worker exposure below limits as listed in Section 2. Local exhaust is suggested for use where possible, in enclosed or confined space

Personal Protection

Eyes/Face Safety Glasses or chemical Goggles. Faceshield to guard against splashing

Skin/Body PVC, Rubber or Neoprene gloves and sleeves

Respiratory Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

General Wear protective clothing to guard against splashing, including boots and apron made from PVC or neoprene. Maintain eye wash fountain and quick drench safety shower in work area.



9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Color	Clear, Slightly Amber
Odor	Strong Pungent
Specific Gravity	1.037
Water Solubility	Complete
pH	Less than 1
Vapor Pressure	Not available
Vapor Density	Not available
Evaporation Rate	Not available
Boiling Point	Greater than 100°C
Volatiles	Greater than 85%
VOC	2%

10. STABILITY AND REACTIVITY

Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Not Available
Incompatible Materials	Metals, oxidizing agents, organic materials, alkalis
Hazardous Decomposition Products	Hydrogen chloride gas

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Eyes:	Not Established
Skin	Not Established
Respiratory	Not Established
Inhalation:	LD50 (rabbit): 900 mg/kg

Chronic Toxicity

May damage organs

Carcinogenicity

IARC 3: Not Classifiable as to its carcinogenicity to humans
ACGIH A4: Not classifiable as a human carcinogen

Eye Effects

Severe eye irritant, conjunctivitis, burns, corneal necrosis

Skin Effects

Irritation and burns

Respiratory

Irritation, pain, inflammation of upper respiratory tract and mucous membranes, coughing, sneezing, choking

Ingestion

Irritation, burning, ulceration, fever, vomiting, nausea, diarrhea
thirst, difficulty swallowing, salivation.

Teratogenicity

Not Available

Mutagenicity

May alter genetic material

Embryotoxicity

Not Available

Target Organs

Kidneys, liver, mucous membranes, upper respiratory tract
skin, eyes, circulatory system, teeth

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12. ECOLOGICAL INFORMATION

Ecotoxicity		Persistence and Degradability	Not Available
Aquatic Vertebrate	LC50 - Gambusia affinis - 282 mg/L - 96h	Bioaccumulative Potential	Not Available
Aquatic Invertebrate	Not Available	Mobility in Soil	Not Available
Terrestrial	Not Available	PBT and vPvB Assessment	Not Available
		Other Adverse Effects	Not Available

13. DISPOSAL CONSIDERATIONS

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream	Code: D002
	Classification: Hazardous waste - Corrosivity
	Origin: RCRA waste

14. TRANSPORTATION INFORMATION

DOT Proper Shipping Name	Corrosive liquid, n.o.s. (Hydrochloric acid)
DOT Hazard Class	8
DOT I.D. Number	UN 1760
DOT Packing Group	II
DOT Label(s)	Corrosive

15. REGULATORY INFORMATION

U.S. Federal regulations

Contents of this SDS comply with OSHA Hazard Communication Standard 29 CFR 1910.1200.

OSHA Hazard Communication Standard (26 CFR 1910.1200)

(X) Hazardous () Non-Hazardous

SARA TITLE III

Section 302/304 (40 CFR 355) Extremely Hazardous Substances: Not Listed

Section 311/312 (40 CFR 370) Hazardous Categories:

() None (X) Acute (X) Chronic () Fire () Pressure (X) Reactive

Section 313 (40 CFR 372) Toxic Release Chemicals: Listed under TSCA below

TSCA (Toxic Substances Control Act)

Ingredient Name	CAS Number	RQ lbs
Hydrochloric Acid	7647-01-0	1000
2-Butoxyethanol	111-76-2	1000

State Regulations

California Prop 65

No components are known to the State of California to cause cancer or reproductive toxicity

16. OTHER INFORMATION

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Completed On February 11, 2015
Completed By Chemist, President: R. Law