

LFB Clear - Liquid Foot Bath

SDS Number: H698113

Revision Date: September 28, 2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Product Name: LFB Clear - Liquid Foot Bath
Revision Date: September 28, 2015
SDS Number: H698113

Manufactured for:

Kärcher North America, Inc.
 325 South Price Road
 Chandler, AZ 85224

Phone: 360-833-1600
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Email: info@karcherna.com
Web: www.karcher.com

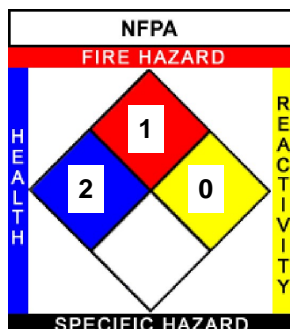
Emergency Information: INFOTRAC 1-800-535-5053 International 1-352-323-3500

2 HAZARDS IDENTIFICATION

Route of Entry: Eyes; Skin; Inhalation
Target Organs: Eyes; Skin
Inhalation: Minimal respiratory tract irritation may occur with exposure to a large amount of material.
Skin Contact: May cause irritation.
Eye Contact: May cause irritation.
Ingestion: No significant adverse health effects are expected to develop if only small amounts are swallowed. Swallowing large amounts may cause abdominal discomfort and diarrhea.

NFPA:
 HMIS III:

Health = 2, Fire = 1, Reactivity = 0
 H2/F1/PH0



HMIS III	
HEALTH	□ 2
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B Safety Glasses, Gloves	

PERSONAL PROTECTION INDEX					
A	☒		G	☒ + ☒ + ☒	
B	☒ + ☒		H	☒ + ☒ + ☒ + ☒	
C	☒ + ☒ + ☒		I	☒ + ☒ + ☒	
D	☒ + ☒ + ☒		J	☒ + ☒ + ☒ + ☒	
E	☒ + ☒ + ☒		K	☒ + ☒ + ☒ + ☒	
F	☒ + ☒ + ☒ + ☒		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions	
A	☒	n	o	p	q
Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves	Boots	Synthetic Apron
t	u	w	y	z	Additional Information
Dust Respirator	Vapor Respirator	Dust & Vapor Respirator	Full Face Respirator	Airline Hood or Mask	
r	s				
Synthetic Apron	Full Suit				

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GHS Signal Word:
DANGER

GHS Hazard Pictograms:



GHS Classifications:

Health, Skin corrosion/irritation, 1 A
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Phrases:

H314 - Causes severe skin burns and eye damage
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously 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.
P361 - Remove/Take off immediately all contaminated clothing.
P363 - Wash contaminated clothing before reuse.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

CAS #	Percentage	Chemical Name
7664-93-9	40-50%	sulfuric acid

OSHA Regulatory Status:

This SDS contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.



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4 FIRST AID MEASURES

- Inhalation:** If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.
- Skin Contact:** Wash with soap and water. If irritation persists consult medical personnel.
- 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:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

5 FIRE FIGHTING MEASURES

- Flash Point:** 100°C/ 212°F
- Flash Point Method:** Closed Cup

Wear self-contained breathing apparatus and other protective clothing. Use any standard agent - choose the one most appropriate for type of surrounding fire.

6 ACCIDENTAL RELEASE MEASURES

Keep away from drains and ground water. Keep all unnecessary personnel away. Spill area may be slippery. Pick up excess with inert absorbent material and place into separate waste container. Ventilate area and wash spill site after material pickup is complete. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

7 HANDLING AND STORAGE

- Handling Precautions:** Avoid contact with eyes, skin, or clothing; Consider normal working hygiene. Handle with care and avoid spillage on the floor (slippage). Keep away from sources of ignition; wash thoroughly after handling.
- Storage Requirements:** Keep away from children. Store in cool/dry area; Keep container closed.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls:** Normal room ventilation is satisfactory for limited use.
- Personal Protective Equip:** HMIS PP, B | Safety Glasses, Gloves

No OSHA PEL established for listed chemicals

Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

9 PHYSICAL AND CHEMICAL PROPERTIES

- | | | | |
|----------------------------|-----------------|--------------------|---------|
| Appearance: | Colorless | Odor: | None |
| Physical State: | Liquid | Solubility: | Soluble |
| Spec Grav./Density: | 11.68 lb/gal | | |
| pH: | Approximately 0 | | |



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10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	None known
Materials to Avoid:	Strong bases and reducing agents.
Hazardous Decomposition:	Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Toxicity Data:

Sulfuric acid 7664-93-9

Oral (LD 50): 350 mg/kg - Rat

Inhalation (LC 50): 510 mg/m³/2H - Rat

Skin irritation: Severe - Rabbit

Eye irritation: Severe - Rabbit

Sensitization: Not considered an occupational sensitizer

12 ECOLOGICAL INFORMATION

Sulfuric acid (7664-93-9)

Test & Species	Result
96 Hr LC50 zebra fish	>500 mg/L
24 Hr EC50 water flea	29 mg/L

13 DISPOSAL CONSIDERATIONS

Recommendation: consultation with the disposal agency and the relevant authorities; cleansing agent is water.

14 TRANSPORT INFORMATION

UN1760 Corrosive Liquids, n.o.s., (Sulfuric acid), 8, II Ship in accordance with 49 CFR parts 100-185.

For small quantities packed in combination packaging, exceptions may apply. The marine pollutant information is necessary only for non-bulk shipments by vessel (IMDG), or for bulk shipments in any mode of transport. Please refer to the applicable dangerous goods regulations for additional information.



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REGULATORY INFORMATION

COMPONENT / (CAS/PERCENT) / CODES

*Sulfuric acid (7664939 40-50%) CERCLA, CSWHS, EHS302, EPCRAWPC, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR, WHMIS

REGULATORY KEY DESCRIPTIONS

All components are listed on TSCA

CERCLA = Superfund clean up substance
CSWHS = Clean water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
SARA313 = SARA 313 Title III Toxic Chemicals
TXAIR = TX Air Contaminants with Health Effects Screening Level
WHMIS = Workplace Haz Mat Info Sys Canada

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OTHER INFORMATION

This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

Prepared by: EHS Manager