1. Identification

Name of the product: Lynn Peavey Chemical Soak
Recommended use: Entomology Kit Solution B
Use not recommended: Any use which results in skin contact.
Publication Date: July 18, 2014
Replacing SDS: July 15, 2014
Product Number: 15017, 95046

Company: Lynn Peavey Company
10749 West 84th Terrace
Lenexa, Kansas 66214-3612
Telephone: 913-888-0600
Fax number: 913-495-6757
Product Information: 800-225-6499
Emergency Number: Chemtrec 800-424-9300

CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

2. Hazard(s) identification

Emergency Overview

OSHA Hazards

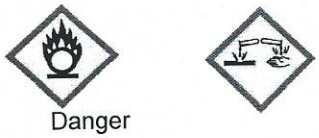
Flammable liquid, Corrosive

GHS Classification

Flammable liquids (Cat. 2)	H225	Highly flammable liquid and vapor.
Skin corrosion (Category 1A), H314		Causes severe skin burns and eye damage.
Serious eye damage (Category 1), H318		Causes serious eye damage

GHS Label elements, including precautionary statements

Pictogram:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapor.
H314 Causes severe skin burns and eye damage.

Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P281 Use personal protective equipment as required.
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
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.
P363 Wash contaminated clothing before reuse.
P374 Fight fire with normal precautions from a reasonable distance. Cool drums to prevent explosion.
P403 + P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/ container to an approved waste disposal plant.

3. Composition / Information on ingredients

Chemical identity:	Ethanol	70%
Common name:	Ethyl alcohol	
Numbers of identity:	CAS 64-17-5	EINECS 200-578-6
Chemical identity:	Acetic acid	17%
Common name:	Vinegar acid	
Numbers of identity:	CAS 64-19-7	EINECS 200-580-7
Chemical identity:	Kerosene	9%
Common name:	Kerosene	
Numbers of identity:	CAS 8008-20-6	EINECS 232-366-4
Chemical identity:	Water	4%
Common name:	Water	
Numbers of identity:	CAS# 7732-18-5	
Impurities:	None known of toxicological significance.	

4. First-aid measures

General advice: Consult a physician.
Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
P304+313 +341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Consult a physician.
P302+352 IF ON SKIN: Wash with soap and water
P 360 Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed: Severe eye irritation. Skin irritation.

5. Firefighting measures

Suitable extinguishing equipment:
Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Emergency procedures:
Eliminate ignition source. Evacuate unnecessary personnel. Call appropriate fire fighting crew.
Special protective equipment for firefighters:
Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous decomposition products formed under fire conditions. Carbon oxides, product vapors.
Use water spray to cool unopened containers.

6. Accidental release measures

Use personal protective equipment. Avoid breathing, mist or vapors. Ensure adequate ventilation.
Remove all sources of ignition. Evacuate personnel to safe areas. Be aware of possible accumulating vapors which could form explosive concentrations. Vapors can accumulate in low areas.
Environmental precautions:
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Methods and materials for containment and cleaning up
Contain spillage, and absorb with industrial absorbent, or collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.
See also Sec. 13.

7. Handling and storage

Precautions for safe handling:
Avoid contact with skin and eyes. Avoid inhalation of vapors or mist.
Use explosion-proof equipment. Keep away from sources of ignition - No smoking.
Prevent the build up of electrostatic charge.
Conditions for safe storage:
Keep container tightly closed in a cool, dry and well-ventilated place.
Containers which have been opened must be resealed and kept upright to prevent leakage.

8. Exposure controls / personal protection

Information on the system design:
Product is intended for external use only. Stay up wind, out of any spray developed.

Exposure Limits:	Reference 29CFR 1910.1000 Table Z-1	
Component Name	OSHA TWA	ACGIH TWA
Ethanol	1,000 ppm 1,900 mg/m3	1,000 ppm
Acetic acid	15 ppm (ACGIH)	10 ppm
Kerosene	200 ppm (ACGIH)	100 ppm (NIOSH)

Personal protective equipment

Respiratory protection:	Where appropriate use a full-face supplied air respirator.
Hand protection:	Rubber gloves.
Eye protection:	Safety glasses with side-shields.
Skin and body protection:	Chemical resistant apron or protective suit if splashing or repeated contact with solution is likely; flame retardant and antistatic properties are recommended.

Hygiene measures
Wash hands and face before breaks and immediately after handling the product.
Handle in accordance with good industrial hygiene and safety practice.

9. Physical and chemical properties

Appearance:	liquid
Odor:	Oily vinegar
Odor threshold:	100 ppm ethanol
pH-value:	No data available
Melting point:	No data available
Freezing Point:	No data available
Initial boiling point:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	Not applicable
Explosion limits:	Lower: 3.3% Upper: 19% (Ethyl alcohol)
Vapor pressure: (highest partial vapor pressure) at 20°C:	No data available
Vapor density:	No data available
Relative density (water=1.00):	No data available
Solubility: Totally soluble in water at 20°C	Decomposition temperature: Not available
Partition coefficient: Log Kow = Not applicable to mixture.	Viscosity: Like water
Auto-ignition temperature:	No data available

10. Stability and reactivity

Chemical stability: No decomposition, if used according to specifications.
Possibility of hazardous reactions: May form explosive mixture with air.
Conditions to avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.
Materials to avoid: Sulfuric acid, oxidizing agents, peroxides, alkali metals, carbonates.
Hazardous decomposition products: Carbon oxides, product vapors.

11. Toxicological information

Ethanol

Routes of Entry: Ethanol Absorbed through skin. Eye contact. Inhalation.

Oral Toxicity LD 50:	7060 mg/kg (rat)
Dermal Toxicity LD 50:	No data
Inhalation Toxicity, Vapor, LC50	20,000 ppm, 10 hrs (rat)
Eye Irritation (Rabbit)	Serious eye damage/eye irritation
Dermal Irritation (Rabbit)	No skin irritation - 24 h (OECD Test Guideline 404)

ACGIH: A3= Confirmed Animal Carcinogen with Unknown Relevance to Humans

Acetic acid

Oral Toxicity LD 50:	3310 mg/kg (rat)
Dermal Toxicity LD 50:	1112 mg/kg (rabbit)
Inhalation Toxicity, Vapor, LC50	4 h - 11.4 mg/l (rat)
Eye Irritation (Rabbit)	Corrosive
Dermal Irritation (Rabbit)	No data

Kerosene

Oral Toxicity LD 50:	2835 mg/kg (rabbit)
Dermal Toxicity LD 50:	No data
Inhalation Toxicity, Vapor, LC50	No data
Eye Irritation (Rabbit)	No data
Dermal Irritation (Rabbit)	Irritating t skin (Draize)

Chronic Effects on Humans:

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA, IARC, NTP.

Specific target organ toxicity - single exposure no data available

Specific target organ toxicity - repeated exposure no data available

12. Ecological information

There is no information on the product.

Ethanol

Ecotoxicity: Fish: Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°C Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) ria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

Environmental: When released to the atmosphere it will photo degrade in hours (polluted urban atmosphere) to an estimated range of 4 to 6 days in less polluted areas. Rainout should be significant.

Physical: No information available.

Other: No information available.

Products of Biodegradation: BOD and COD: Not available.

Hazardous short term degradation products are not likely, but long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Acetic acid

Toxicity to fish semi-static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 1,000 mg/l - 96 h

Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - > 300.82 mg/l - 48 h

Persistence and degradability

Biodegradability aerobic - Exposure time 30 d

Result: 99 % - Readily biodegradable. Remarks: Expected to be biodegradable

Biochemical Oxygen Demand: 880 mg/g

Kerosene

No data available.

12. Ecological information (continued)

Product

Special Remarks on the Products of Biodegradation: Not available.

PBT and vPvB assessment:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.

13. Disposal considerations

Burn in a chemical incinerator equipped with an afterburner and scrubber.
Dispose in accordance with local, state and federal regulations.

14. Transport information

DOT (US)
UN number: 1993 Packing group: II Hazard Class 3 (Ethanol)
Proper shipping name: Flammable liquids, n.o.s.
Reportable Quantity (RQ): Not applicable
Check for OSHA label requirements.

15. Regulatory information

US FEDERAL
TSCA
All ingredients listed on the TSCA inventory.
Section 12b
None of the chemicals is listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material has a SNUR under TSCA.
SARA
CERCLA Hazardous Substances and corresponding RQ's:
None of the chemicals in this material has an RQ.
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product has a TPQ.
SARA Codes
CAS # 64-17-5: acute, chronic, flammable.
Section 313
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants, Class 1 or Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA>

OSHA:	None of the chemicals in this product are considered highly hazardous by OSHA.
STATE	CAS# 64-17-5 can be found on the following state right to know lists: CA, NJ, PA, MN, MA.
	CAS# 64-19-7 can be found on the following state right to know lists: NJ, PA, MA.
	CAS# 8008-20-6 can be found on the following state right to know lists: NJ, PA
	CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

15. Regulatory information (continued)

WARNING: This product contains Ethyl alcohol, a chemical known to the state of California to cause birth defects or other reproductive harm.
California No Significant Risk Level: None of the chemicals in this product are listed.
Canada - DSL/NDSL
CAS# 64-17-5, 7732-18-5, and 8008-20-6 are listed on Canada's DSL List.
Canada - WHMIS
This product has a WHMIS classification of B2, D2A, D2B.
Canadian Ingredient Disclosure List
CAS# 64-17-5 is listed on the Canadian Ingredient Disclosure List.

16. Other information

SDS Preparation date: July 16, 2014

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	Yes	Yes	No	No	OSHA 29 CFR 1910.1200 and
Delayed	Yes	No	XXX	XXX	SARA 302/311/312/313.
HMIS Hazard ratings: Health 2 Fire 3 Instability 0 Other B (Goggles, gloves)					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					

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Note: The information in this SDS was obtained from current reputable and competent sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. It is the user's responsibility to determine safe conditions for the use of this product and to assume liability for loss, injury, damage or expense resulting from improper use of this product.