

1. Product and company identification

Product Name LINEN FORCE
UN/ID No. DOT(US): Not Regulated

Recommended use of the chemical and restrictions on use

Recommended Use Industrial Laundry Detergent

Supplier: Butler Chemicals, Inc.
3070 E. Ceena CT.
Anaheim, CA. 92806

Print date: May 15, 2015

Responsible name: K.B.
In case of emergency: HEALTH EMERGENCIES — SPILL EMERGENCIES
CALL INFOTRAC 1(800) 535-5053

Product type: Mixture

2. Hazards identification

Appearance: Yellow Liquid	Physical State: Liquid	Odor: Lemon Fragrance
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Classification

Skin corrosion/irritation	Category 2B + Category 3B
Serious eye damage/eye irritation	Category 2B

Signal Word: WARNING

Pictograms:



Hazard Statement

WARNING

Flammable. Contains methanol. May cause skin and eye irritation. Methanol may cause central nervous system effects or permanent vision damage if inhaled, swallowed or absorbed through the skin in large amounts. Do not get in eyes, on skin, on clothing. Do not take internally. Keep away from heat, Keep away from sources of ignition – No smoking. Use with adequate ventilation. Keep container tightly closed and in a well-ventilated place. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

Precautionary Statements – Preventions

Do not get in Eyes, on Skin or on Clothing. Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Use only with adequate ventilation, use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Wear chemical resistant apron, chemical protective gloves/protective clothing/eye protection/face protection
Keep container closed.

Precautionary Statements – Response

Immediately call A POISON CENTER or doctor/physician

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so.

Continue rinsing immediately call a POISON CONTROL or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician, Rinse mouth, **Do not induce vomiting!**

Precautionary Statements – Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

May evolve oxides of carbon (Cox) under fire conditions

Precautionary Statements –Disposal

Disposed of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Methanol	67-56-1	10.5
Ethoxylated 4-Nonylphenol	26027-38-3	10.5

4. First aid measures

Eye contact:	Can cause moderate to severe irritation. Do NOT allow victim to rub or keep eyes closed. Check for and remove any contact lenses if easy to do so. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids apart. Use cool running water. Do not use an eye ointment.
Skin contact:	Can cause moderate irritation. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. For a large splash, flood body under a shower. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes. If symptoms develop, seek medical attention.
Inhalation:	Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation. If breathing has ceased apply artificial respiration using oxygen and suitable mechanical device such as a bag and a mask
Ingestion:	Induce vomiting if victim is conscious and give water to drink. Never give anything by mouth to an unconscious person. Get medical aid immediately.
Protection of first-aiders; Note to physician	Persons with pre-existing skin disorders or impaired respiratory or pulmonary function may be at increased risk to the effects of this substance. Treat symptomatically and supportively.

5. Fire-fighting measures

Flash point: 78⁰ F/ 26⁰ C (PMCC)

Flammability of the product:

Extinguishing media: Alcohol Foam, Carbon dioxide, Dry powder, Other extinguishing agent suitable for Class B fires, For large fires, use water spray or fog, thoroughly drenching the burning material. Water mist may be used to cool closed containers.

Fire and Explosion Hazard: Flammable Liquid; may release vapors that form flammable mixtures at or above the flash point. Empty product containers may contain product residue. Do not pressurize, cut heat, weld, or expose containers to flame or other sources of ignition. May evolve oxides of carbon (Cox) under fire conditions.

Decomposition products:

Special protective equipment for fire-fighters: In case of fire; wear full face positive-pressure self contained breathing apparatus and protective suit.

6. Accidental release measures

Personal precautions: Restrict access to area as appropriate until clean-up operations are complete. Ensure clean-up is conducted by trained personnel only. Ventilate spill area if possible. Do not touch spilled material. Eliminate ignition sources. Stop or reduce any leaks if it is safe to do so. Use personal protective equipment recommended in Section 8 (Exposure Control/Personal Protection). Notify appropriate government, occupation health and safety and environmental authorities.

Environmental precautions: Prevent material from entering sewers or waterways.

Methods for cleaning up

Small spill: Soak up spill with absorbent material. Place residues in a suitable, covered, properly labeled container.

Large spill: Contain liquid using absorbent material, by digging trenches or by diking. Reclaim into recovery or salvage drums or tank truck for proper disposal. Wash site of spillage thoroughly with water. Contact an approved waste hauler for disposal of contaminated recovered material. Dispose of material in compliance with regulations indicated in Section 13 (Disposal Considerations).

7. Handling and storage

Handling: Do not get into eyes, on skin, or clothing. Do not take internally. Use with adequate ventilation. Avoid release of vapors or mists into workplace air. Keep the containers closed when not in use. Do not use in location where vapor is likely to travel to welding flames or arcs or to other hot surfaces. Vapors are much heavier than air; this can result in uneven distribution. Have emergency equipment (for fires, spills, leaks, etc.) readily available.

Storage Store away from heat and sources of ignition. Connections must be grounded to avoid electrical charges. Store the containers tightly closed. Store separately from oxidizers. Store in suitable labeled containers.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Local exhaust ventilation recommended. Eye wash stations. Showers.

OCCUPATIONAL EXPOSURE LIMITS:

Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

Country/Sources	Substance(s)	Category:	ppm	mg/m3
	Methanol	ACGIH/TWA	200	
		ACGIH/STEL	250	
		ACGIH/Skin*		
		OSHA Z1/PEL	200	260

* A skin notation refers to the potential significant contribution to overall exposure by the cutaneous route, including mucous membranes and the eyes.

ENGINEERING MEASURES:

Use general ventilation with local exhaust ventilation.

Individual-protection measures, such as personal protective equipment

Eye/Face/Hand Protection	Wear chemical splash goggles, Wear standard protective clothing., Nitrile gloves, Viton# gloves, Polyvinyl alcohol gloves
Skin and Body Protection	Wear standard protective clothing
Respiratory Protection	If significant mists, vapors or aerosols are generated an approved respirator is recommended. Consider the use of filter type: Organic vapor cartridge, with a Particulate pre-filter. In event of emergency or planned entry into unknown concentrations a positive pressure, full-face piece SCBA should b used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
General Hygiene considerations	Keep an eye wash fountain available. Keep a safety shower available. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

Human Exposure Characterization:

Based on our recommended product application and personal protection equipment, the potential human exposure is:
Low

9. Physical and chemical properties

Physical state	Liquid
Color	Light Yellow
Odor	Pungent
Specific Gravity	0.96-1 @ 60 ⁰ F/ 15.6 ⁰ C
Density	8-8.3 Lb/Gal
Solubility in Water	Complete
pH (100%)	6.9
Viscosity	103 cst @ 60 ⁰ F/ 15.6 ⁰ C
Viscosity	479 SUS @ 60 ⁰ f/ 15.6 ⁰ C
Pour Point	<-35 ⁰ F / <-37 ⁰ C
Vapor Pressure	>110 mm Gm @ 100 ⁰ F / 38 ⁰ C
Flash Point	26 ⁰ C / 78 ⁰ F

10. Stability reactivity

Stability	Stable under normal conditions
Hazardous polymerization	Hazardous polymerization will not occur
Conditions to avoid	Heat and sources of ignition including static discharges
Materials to avoid	Contact with strong oxidizers (e.g chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.
Hazardous decomposition products	Under fire conditions: Oxides of Carbon

11. Toxicological information

No toxicity studies have been conducted on this product.

CARCINOGENICITY:

None of the substances in this product are listed as carcinogens by the International Agency for Research on Cancer (IARC), the national Toxicology Program (NTP) or the American Conference of Governmental Industrial Hygienists (ACGIH).

HUMAN HAZARD CHARACTERIZATION:

Based on our hazard characterization, the potential human hazard is: High

12. Ecological information

ECOTOXICOLOGICAL EFFECTS:

No Toxicity studies have been conducted on this product.

ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION

Based on our hazard characterization, the potential environmental hazard is: Moderate

Based on our recommended product application and the product's characteristics, the potential environmental exposure is: Low

If released into the environment, see CERCLA/SUPERFUND in Section 15.

13. Disposal considerations

Waste disposal:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

DOT (U.S.) Not Regulated

15. Regulatory information

This section contains additional information that may have relevance to regulatory compliance. The information in this section is for reference only. It is not exhaustive, and should not be relied upon to take the place of an individualized compliance or hazard assessment. Company accepts no liability for the use of this information.

NATIONAL REGULATIONS, USA:

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our hazard evaluation, the following substance(s) in this product is/are hazardous and the reason(s) is/are shown below.

Methanol: Flammable, Target Organ Effect – Eye

Ethoxylated 4-Nonylphenol: Eye irritant

CERCLA/SUPERFUND, 40 CFR 117, 302:

This product contains the following Reportable Quantity (RQ) Substance. Also listed is the RQ for the product. If a reportable quantity of product is released, it requires notification to the NATIONAL RESPONSE CENTER, WASHINGTON, D.C. (1-800-424-8802).

<u>RQ Substances</u>	<u>RQ</u>
Methanol	16,600 lbs.

SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III) – SECTIONS 302, 311, 312, AND 313:

SECTION 302 – EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355):

This product does not contain substances listed in Appendix A and B as an Extremely Hazardous Substance.

CTIONS 311 AND 312 – MATERIAL SAFETY DATA SHEET REQUIREMENTS (40 CFR 370):

Our hazard evaluation has found this product to be hazardous. The product should be reported under the following indicated EPA hazard categories:

- X Immediate (Acute) Health Hazard
- Delayed (Chronic) Health Hazard
- X Fire Hazard
- Sudden Release of Pressure Hazard
- Reactive Hazard

Under SARA 311 and 312, the EOPA has established threshold quantities for the reporting of hazardous chemicals, The current thresholds are: 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SECTION 313 – LIST OF TOXIC CHEMICALS (40 CFR 372):

This product contains the following substance(s), (with CAS# and % range) which appear(s) on the List of Toxic Chemicals.

<u>Hazardous Substance(s)</u>	<u>CAS NO</u>	<u>% (w/w)</u>
Methanol	67-56-1	10.0 – 30.0

TOXIC SUBSTANCES CONTROL ACT (TSCA):

This substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

FEDERAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40 CFR 401.15 / formerly Sec. 307, 40 CFR 116.4 / formerly Sec. 311:

Substances listed under this regulation are not intentionally added or expected to be present in this product. Listed components may be present at trace levels.

CLEAN AIR ACT, Sec. 112 (40 CFR 61, Hazardous Air Pollutants), Sec 602 (40 CFR 82, Class 1=and 11 Ozone Depleting Substances):

This product contains the following substances listed in the regulation. Additional components may be unintentionally present at trace levels.

Substances	Citations
• Methanol	Sec. 111

CALIFORNIA PROPOSITION 65:

Substances listed under California Proposition 65 are not intentionally added or expected to be present in this product.

STATE RIGHT TO KNOW LAWS:

The following substances are disclosed for compliance with State right to Know Laws:

Ethoxylated 4-Nonylphenol	26027-38-3
Oxyalkylated Fatty Acid	Proprietary
Methanol	67-56-1

16. Other information

<u>HMIS</u>	<u>Health Hazards</u>	<u>Flammability</u>	<u>Reactivity</u>	<u>Personal Protection</u>
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This information provide assistance for your own risk management practices. We have evaluated our product’s risk as follows:

- The human risk is: Low
- The environmental risk is: Low

Person(s) handling this product should be informed of the recommended safety precautions and should have access this information. Exposures should be evaluated so that appropriate handling practices and training programs can be established to insure safe workplace operations.

Indicates information that has changed from previously issued version.

Disclaimer

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and in not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet