

ALENZA

IN CASE OF EMERGENCY, CALL CHEMTREC

UNITED STATES: 1-800-424-9300

INTERNATIONAL: 1-202-483-7616

MATERIAL SAFETY DATA

1. PRODUCT IDENTIFICATION

PRODUCT NAME: **ALENZA PEEL**
SYNONYMS: D'Limonene and selected Surfactants

2. HAZARDOUS INGREDIENTS

OSHA REGULATED COMPONENTS

COMPONENT	CAS. NO.	WT %	EXPOSURE LIMITS
D-Limonene	5989-27-5	NA	NA

Maximum of 1 ppm Ethylene Oxide (EO) (75-21-8) may be present in the product.
The OSHA PEL and ACGIH TLV for EO is 1 ppm.

3. EFFECTS OF OVEREXPOSURE

EYE: May be irritating to eyes, causing moderate to high irritation.
SKIN: May be irritating to skin, causing slight redness. Contains a potential skin sensitizer. Prolonged or repeated exposure can cause drying, defatting and dermatitis of skin.
INHALATION: Inhalation can cause nose, throat and respiratory tract irritation, coughing and headache.
ORAL: Harmful if swallowed. Ingestion may cause vomiting, headache and other medical problems.

THE ABOVE LISTED POTENTIAL EFFECTS OF OVEREXPOSURE ARE BASED ON ACTUAL DATA, RESULTS OF STUDIES PERFORMED UPON SIMILAR COMPOSITIONS, COMPONENT DATA AND/OR EXPERT REVIEW OF THE PRODUCT. OVEREXPOSURE TO ANY CHEMICAL MAY RESULT IN ENHANCEMENT OF PRE-EXISTING ADVERSE MEDICAL CONDITION AND ALLERGIC REACTIONS.

4. EMERGENCY FIRST AID

Call a poison control center or doctor immediately for treatment advice.

IF SWALLOWED: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.
IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

5. REACTIVITY DATA

STABILITY:	Stable
CONDITIONS TO AVOID:	Excessive Heat / FLAMMABLE
POLYMERIZATION:	Will Not Occur
CONDITIONS TO AVOID:	Polymerization catalysts such as aluminum chloride and acidic clays.
INCOMPATIBILITY:	Strong oxidizing agents and acidic agents, including acidic clays, peroxides, halogens, vinyl chloride and iodine pentafluoride.
DECOMPOSITION:	Smoke may be acrid and fume irritating. Burning generates CO, CO ₂ and smoke. Product is not an oxygen donor.

6. NFPA HAZARD RATING (National Fire Protection Association)

Flammability	2	HEALTH:	Exposure could cause irritation but only minor residual injury even if no treatment is given.
Health	1	FLAMMABILITY:	Must be moderately heated or exposed to relatively high temperature before ignition can occur.
Instability	0	INSTABILITY:	Normally stable, even under fire exposure conditions, and are not reactive with water.
Special Hazard	-		

7. PHYSICAL PROPERTIES

APPEARANCE AND ODOR:	Amber Liquid / Citrus Odor
BOILING POINT:	N/A
VAPOR PRESSURE:	<2 (mm Hg at 20° C)
SPECIFIC GRAVITY:	.873(+/- .05)
VAPOR DENSITY (AIR=1):	<1
% VOLATILE (BY WGT.%):	N/A
pH OF CONCENTRATE:	5-7
SOLUBILITY IN WATER:	Dispersible

8. FIRE AND EXPLOSION HAZARD INFORMATION

FLASHPOINT:	125° F (COC)
FLAMMABLE LIMITS:	Not Available
FIRE FIGHTING:	According to NFPA guide, use water fog, dry chemical, alcohol foam, carbon dioxide or halon. Water or foam may cause frothing. Wear self-contained, positive pressure breathing apparatus and protective clothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak.
UNUSUAL FIRE HAZARD:	None

9. SPECIAL PRECAUTIONS

HANDLING AND STORAGE:

Empty containers can be hazardous if used to store toxic, flammable or reactive material. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flame or heat. Product may expand slightly in storage causing slight pressure to build in container. Keep container in cool storage place with closed drum bungs. Avoid temperature extremes.

OTHER PRECAUTIONS:

Keep out of reach of children.

10. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

None required for normal use.

VENTILATION:

Normal room ventilation (mechanical) should be satisfactory.

PROTECTIVE GLOVES:

PVC-coated.

EYE PROTECTION:

Wear chemical splash proof goggles or a face shield.

OTHER PROTECTION:

Eye wash and safety shower. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

11. SPILL OR LEAK PROCEDURES

SPILLS OR RELEASES:

Use protective gloves to avoid skin contact. Small spills can be wiped up. Large spills should be absorbed by dirt, sand or other suitable absorbents for disposal.

WASTE DISPOSAL:

Do not hose spills down drains, sewers or waterways. Do not contaminate food or feed by storage or disposal. Dispose of in an approved waste disposal facility in accordance with all Federal, State and Local Regulations.

CONTAINER DISPOSAL:

Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

12. REGULATORY INFORMATION

COMPOUNDS WHICH REQUIRE REPORTING UNDER SARA TITLE III

<u>Sara regulated compounds</u>	<u>Section</u>	<u>CAS. NO.</u>	<u>Percent</u>
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No compounds present in quantities which are regulated.

13. OTHER INFORMATION

WARNING! This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047).

The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.

ALENZA

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