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SAFETY DATA SHEET

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Product #: 101 cis-3-HEXEN-1-OL (LEAF ALCOHOL) FCC

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Bedoukian Research, Inc.	Emergency Phone Numbers:
21 Finance Drive	1-800-424-9300 Chemtrec (North
America)	
Danbury, CT 06810-4133	1-703-527-3887 Chemtrec
(International)	
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Phone: 1-203-830-4000	Email: customerservice@bedoukian.com
Fax: 1-203-830-4010	Website: http://www.bedoukian.com

Product Code: 101
Product Name: cis-3-HEXEN-1-OL (LEAF ALCOHOL) FCC
Uses: flavors and fragrances

SECTION 2. HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATIONS

HEALTH = 1 FLAMMABILITY = 2 REACTIVITY = 0 PROTECTION = B

LABEL PRECAUTIONARY STATEMENTS

FLAMMABLE LIQUID (U.S. Definition)

GHS CLASSIFICATION AND LABELLING

The following determinations per the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) have been made:

GHS SIGNAL WORD

Warning

GHS SYMBOLS

GHS02 Flame

GHS LABELING/HAZARD STATEMENTS

H226 Flammable liquid and vapour

GHS LABELING/PRECAUTIONARY STATEMENTS

P210 Keep away from heat, sparks, open flames and hot surfaces. -- No smoking.

P241 Use explosion-proof electrical/ventilating/lighting equipment.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all

contaminated clothing. Rinse skin with water/shower.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with
local/regional/national/international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 928-96-1
FEMA #: 2563 COE #: 750
MF: C6H12O
EC NO: 213-192-8
Minimum Purity: 98.0%
Additives: synthetic alpha tocopherol @ 0.10%
SYNONYM(S)
3-Hexen-1-ol, (3Z)-
(Z)-3-Hexenol
Aleol
C-3-Hexen-1-ol
C-3-Hexenol
Leaf alcohol
Z-3-Hexen-1-ol
beta-gamma-Hexenol
cis-3-Hexenol

SECTION 4. FIRST-AID MEASURES

INHALATION EXPOSURE: Remove to fresh air. Give oxygen and call a physician.
EYE CONTACT: Flush with water for 15 min. Seek medical help if necessary.
SKIN CONTACT: Wash area well with water. Seek medical help if necessary.
INGESTION: Administer water and call a physician or poison control center immediately. Do not induce vomiting.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA
CO2, FOAM, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES
Use standard fire fighting procedures.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
None.

SECTION 6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED
Standard absorbents can be used.
WASTE DISPOSAL METHOD: Incineration or sanitary landfill in
accordance with local, state, and federal regulations.

SECTION 7. HANDLING AND STORAGE

HANDLING

Observe all warnings and precautions listed for the product.
Use in accordance with good manufacturing and industrial hygiene practices. Use product in a properly ventilated work area. Do not eat, drink or smoke while handling product.

STORAGE

Packaging: Glass, Plastic or Phenolic Lined Steel
Store tightly sealed under inert gas in a cool, well-ventilated area.

FIRE PROTECTION

Keep away from heat, sparks, and open flame.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: Local exhaust preferred. General ventilation required.
RESPIRATORY: Usually not required. Avoid inhaling concentrated vapors.
SKIN: Avoid skin contact. Use chemical resistant gloves.
EYES: Splash-proof safety glasses or goggles.
OTHER PROTECTIVE EQUIPMENT: Safety shower, eye wash

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
APPEARANCE: colorless liquid
ODOR DESCRIPTION: strong, fresh, green grass odor.
BOILING POINT: 156.50 C (EPI 4.0)
VAPOR PRESSURE : 0.626 mmHg (20C, EPI 4.0)
VAPOR DENSITY (Air = 1): > 1
SPECIFIC GRAVITY @ 25C (water = 1): 0.8455:0.8504
SOLUBILITY IN WATER: Very slightly soluble in water.
FLASH POINT (CC): 138 F 59 C
LOGP : 1.610

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES

CONDITIONS TO AVOID: Presents no special reactivity hazard.

MATERIALS TO AVOID: Strong oxidizing agents

HAZARDOUS COMBUSTION PRODUCTS

CO, CO₂, water

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

Most likely route of entry is through the skin.

Full strength may be irritating to skin and eyes.

RTECS NUMBERS

RTECS: (3-Hexen-1-ol, (Z)-) MP8400000

IRRITATION DATA

4% in petrolatum produced no irritation or sensitization in humans.

TOXICITY DATA

LD50 Dermal (rabbit) > 5 g/kg.

LD50 Oral (rat) 4.7 g/kg.

THRESHOLD LIMIT VALUE (TLV): Not established
OSHA PERMISSABLE EXPOSURE LIMIT (PEL): Not established
LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

SECTION 12. ECOLOGICAL INFORMATION

GENERAL

Prevent contamination of soil, ground- and surface water.

ECOTOXIC EFFECTS

Acute tox. LC50 (freshwater fathead minnow): 381 mg/l calculated LC50.
Biodegradation test (OECD 301B): 10mg/l readily and ultimately biodegradable. 89.4% biodegradation after 28 days.
Biodegradation test (OECD 301F): 100 mg/l readily biodegradable. 77% biodegradation after 28 days. 72% at end of 10-day window.

SECTION 13. DISPOSAL CONSIDERATION

WASTE DISPOSAL METHOD: Incineration or sanitary landfill in accordance with local, state, and federal regulations.

SECTION 14. TRANSPORT INFORMATION

Proper Ship Name: FLAMMABLE LIQUID, N.O.S.
Tech Name: (cis-3-HEXEN-1-OL)

	Class	Pack Group	Sub. Risk	UN No.
Road(U.S.-DOT):	not regulated.			
Air (IATA):	3	III	n/a	1993
Sea (IMDG):	3	III	n/a	1993

NOTE: n/a = not applicable.

Transport Label(s): FLAMMABLE LIQUID

SECTION 15. REGULATORY INFORMATION

REVIEWS, STANDARDS, AND REGULATIONS

This chemical is listed on the following inventories:
TSCA AICS CHINA DSL ECL EINECS(213-192-8) ENCS PICCS
LISTED AS CARCINOGEN BY NTP, IARC, OR OSHA?: NO

SECTION 16. OTHER INFORMATION

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