

Doc No: 931-HK584      Rev: D      Date of Release: 25-Aug-2020

## 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

- a) GHS Product Identifier : Dewax
- b) Other means of identification : Not available
- c) Product code : HK584-5K, HK584-5KE, HK585-5K, HX015-XAK, HX016-XAK, HX016-XEK
- d) Recommended use of the chemical and restrictions on use : Restricted for professional users.
- e) Supplier's details (including name, address, phone number etc.) : BioGenex Laboratories, Inc  
48810 Kato Road, Suite 100E & 200E  
Fremont, CA 94538
- f) Emergency phone number : BioGenex: (01) (510) 275-0550  
Chemtrec Assistance: (800) 424-9300 (U.S. and Canada only)  
(01) (703) 527-3887 (all other countries)

## 2. HAZARD IDENTIFICATION

- a) GHS classification of the substance/mixture and any national or regional information: **Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]**

H226 - Flammable Liquids (Category 3)

H304 - Aspiration Hazard (Category 1)

H315 - Skin Corrosion/Irritation (Category 2)

H317 - Skin Sensitizer (Category 1)

H336 - May cause drowsiness or dizziness

H411 - Chronic Hazards to the Aquatic Environment (Category 2)

- b) GHS label elements, including precautionary statements :

LABELING:



SIGNAL WORD : DANGER

H226 - Flammable liquid and vapor.

H304 - May be fatal if swallowed and enters airways.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

P260 - Do not breathe dust/fumes/gas/mist/vapors/spray.

P262 - Do not get into eyes, on skin or on clothing.

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

P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331 - Do NOT induce vomiting.

P333+P313 - IF SKIN irritation or rash occurs: Get medical advice/attention.

P370+P378 - In case of fire: Use a dry chemical fire extinguisher for extinction.

c) Other hazards which do not result in the classification or are not covered by the GHS: Restricted to professional users.

None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

a) Chemical identity : Mixture

b) Common name, synonyms, etc : NDA

c) CAS number and other unique identifiers

COMPONENT NAME	CAS NO.	PERCENT	EC #	1278/2008 CLASSIFICATION
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Aliphatic Hydrocarbons	64742-48-9	70	265-150-3	H226, H304, H315,H336, H411
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d-limonene	5989-27-5	30	227-813-5	H226, H315, H317,H410
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### 4. FIRST AID MEASURES

Get medical aid immediately.

**EYES:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Do NOT allow victim to rub or keep eyes closed.

**SKIN:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.

**INGESTION:** Do NOT induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Call a poison control center.

INHALATION: Move the victim to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician: Treat symptomatically and supportively. No specific antidote exists.

## 5. FIRE-FIGHTING MEASURES

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

**Extinguishing Media:** Dry powder, foam, carbon dioxide. (Water may be ineffective.).

**Flash Point:** 49°C

**Flash Point Method :** TCC

**Flammable Limits :** L.E.L 0.7%; U.E.L. 6.1%

**NFPA Codes :** Health: 1; Flammability: 02; Reactivity: 0

## 6. ACCIDENTAL RELEASE MEASURES

a) Personal precautions, protective equipment and emergency procedures:

Wear appropriate protective equipment as specified in Section 8.

b) Environmental precautions:

Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

c) Methods and materials for containment and cleaning up.

Eliminate source of ignition. Ventilate area. Cover with absorbent material (soda ash) to confine spill and sweep or shovel into container. Close container tightly. Avoid breathing vapors.

## 7. HANDLING AND STORAGE

a) Precautions for safe handling:

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Transfer methods should avoid static sparks. Use explosion proof ventilation.

b) Conditions for safe storage, including any incompatibilities:

Keep in a tightly closed container, stored in a cooled, dry, ventilated area away from sources of heat or ignition. Protect from physical damage. Isolate from incompatible materials.

### Incompatibles

#### Aliphatic Hydrocarbons:

Strong oxidizing agents.

#### d-limonene:

Avoid contact with strong acids, alkalis, or oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Engineering Controls:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source..

### Personal Protective Equipment

**Eyes:** Wear safety goggles.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** None required where adequate ventilation conditions exist. .

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- a. **Appearance** Clear and colorless
- b. **Odor** No data
- c. **Odor Threshold** N.A
- d. **pH** N.A.
- e. **Melting/Freezing Point (°C)** -55
- f. **Boiling point (oC)** 162-182
- g. **Flash Point (oC)** 40
- h. **Evaporation Rate** 0.3 (n-Bu Acetate=1)
- i. **Flammability** Combustible
- j. **Upper/Lower Flammability or Explosive Limits** :LEL 1.2%; UEL 9.6%
- k. **Vapor Pressure** 2 mmHg @ 20 C
- l. **Vapor Density (Air = 1)** 4.94
- m. **Relative Density** 0.75 kg/L @ 15.56 C
- n. **Water Solubility** Less than 0.01% @ 25 C
- o. **Partition Coefficient n-octanol/water** :Mixture
- p. **Autoignition Temperature (oC)** 292.78 (approximate)
- q. **Decomposition Temperature(°C)** :N.A.
- r. **Viscosity** 0.4-0.9 cSt @ 40 C
- s. **Explosive Properties** Combustible vapors
- t. **Oxidizing Properties** No Data

## 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal conditions of use.

CONDITIONS TO AVOID: Heat, sources of ignition.

Incompatible with : Strong oxidizing agents.

### d-limonene:

Avoid contact with strong acids, alkalis, or oxidizing agents.

HAZARDOUS POLYMERISATION : None.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS COMBUSITION PRODUCTS: Thermal decomposition products may include carbon monoxide, carbon dioxide, and hydrocarbons

## 11. TOXICOLOGICAL INFORMATION

a) Information on the likely routes of exposure: Eyes, Oral, Dermal, Inhalation

b) Symptoms related to the physical, chemical and toxicological characteristics:

INHALATION: May cause irritation of the respiratory tract with burning pain in the nose and throat, coughing, wheezing, shortness of breath and pulmonary edema. May cause ulceration of nasal tissue, insomnia, nervous tremors with numb extremities, chemical pneumonia, shock, unconsciousness, and death

**INGESTION:** May cause perforation of the digestive tract and severe digestive tract irritation with abdominal pain, nausea, vomiting and diarrhea. May cause difficulty in swallowing, stomach distension, possible cerebral swelling and death

**SKIN CONTACT:** Repeated or prolonged contact can cause redness, irritation, and scaling of the skin (dermatitis). Normal care and personal hygiene should prevent skin effects.

**EYE CONTACT:** Eye irritation may occur with exposure to concentrated vapors or contact with product.

**TARGET ORGANS:** Central nervous system, Respiratory system

c) Delayed and immediate effects and also chronic effects from short and long term exposure

NDA

d) Numerical measures of toxicity (such as acute toxicity estimates)

Product LD50 Values

Oral Rat LD50 (mg/kg)

GRAS (Generally Regarded As Safe)

Dermal Rabbit LD50 (mg/kg):

GRAS (Generally Regarded As Safe)

Component Cancer List Status

NTP Carcinogen

	<b>Known</b>	<b>Anticipated</b>	<b>IARC Category</b>
d-limonene	No	No	None

**Carcinogenicity :** None of the components of this material are listed by NTP, OSHA, ACGIH, or IARC as a carcinogen or a suspected carcinogen.

**Mutagenicity :** No information available.

**Reproductive Toxicity :** No information available.

**Teratogenic Effects :** No information available.

## 12. ECOLOGICAL INFORMATION

- a) Ecotoxicity (aquatic and terrestrial, where available): No data available. Fingerling trout, >40 ppm/48H is toxic. Fathead minnow LC50=22-35 gm/L/96H
- b) Persistence and degradability : Readily biodegradable
- c) Bioaccumulative potential : BCF is 1022 L/kg (calculated)
- d) Mobility in the soil : Koc of d-limonene (predicted): 1984 L/kg.
- e) Other adverse effects : Not a PBT or vPvB

## 13. DISPOSAL INFORMATION

Waste Treatment Methods

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with

applicable law and product characteristics at time of disposal. Dispose of packaging as product.

## 14. TRANSPORT INFORMATION

US DOT:

Proper Shipping Name: Terpene Hydrocarbons, N.O.S. ( d-limonene )Hazard Class: 3UN Number: 2319Packing Group: III

IMO: Proper Shipping Name: Terpene Hydrocarbons, N.O.S. ( d-limonene )Hazard Class: 3UN Number: 2319Packing Group: III.

IATA: Proper Shipping Name: Terpene Hydrocarbons, N.O.S. ( d-limonene )Hazard Class: 3UN Number: 2319Packing Group: III.

RID/ADR: No information available.

Canadian TDG: No information available.

## 15. REGULATORY INFORMATION

### United States

#### TSCA Regulatory Statement

All intentional ingredients are listed on the TSCA Inventory.

#### SARA 311/312 Hazard Categories

Component	Fire	Pressure	Reactivity	Acute	Chronic
d-limonene	Yes	No	No	Yes	No

### Europe

#### EEC Regulatory

All intentional ingredients are listed on the European EINECS Inventory.

Risk phrases

**R: 10-38-43-50/53** : Flammable. Irritating to skin. May cause sensitization by skin contact. Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Safety phrases

**S: 2-24-37-60-61** : Keep out of the reach of children. Avoid contact with skin. Wear suitable non-latex gloves. This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Refer to special instructions/safety data sheets.

## 16. Other information including information on preparation and revision of the SDS

**NFPA Codes: Health 1 Flammability 2 Reactivity 0**

Key abbreviations:

N/A : Not Applicable  
NDA : No data available

Notice to reader

Each BioGenex SDS was developed to be used only with the corresponding BioGenex product. The information above is believed to be accurate and represents the best information currently available. We make, however, **NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY,**



# SAFETY DATA SHEET

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