

SECTION 1: IDENTIFICATION

Product name: **Pivot Bio RETURN®**

Other means of identification: *Klebsiella variicola*
137-1036; Kv137-1036

Product use: **Soil Inoculant**

Supplier: **Pivot Bio**

2910 Seventh St.
Berkeley, CA 94710

Emergency number: **877-451-1977**

SECTION 2: HAZARDS IDENTIFICATION

This material is not a physical, health, or environmental hazard. Use according to the label instructions.

Eyes: Use safety goggles. Minor and temporary irritation can occur with direct exposure clearing within 48 hours with no long-term health effects.

Skin: Do not expose open cuts or wounds to the product. Use disposable rubber/latex gloves. Minor and temporary irritation may occur and clear within 72 hours with no long-term health effects.

Inhalation: Use in a well-ventilated area. Temporary, minor respiratory irritation may occur from prolonged exposure in an enclosed area. Clearing will occur within 24 hours with no long-term health effects.

Ingestion: Do not ingest. Studies demonstrate no harmful effects.

SECTION 3: COMPOSITION/INGREDIENT INFORMATION

Active ingredient: *Klebsiella variicola* 137,
4x10⁸ CFU/ml, <2% by wt.

Inert ingredients: >98% by wt.

SECTION 4: FIRST AID MEASURES

Eye contact: Flush eyes with clean water for at least 15 to 20 minutes with eyelids separated. Remove contact lenses after first five minutes, then continue rinsing the eyes.

Ingestion: Wash mouth out with water.

Skin contact: Immediately wash skin with water followed by washing with soap and water. Remove contaminated clothing and launder before reuse.

Inhalation: Move person to fresh air.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: None

Auto-Ignition Temperature: Not determined

Explosive limits: Not applicable

Fire Fighting Instructions: No special requirements.

Extinguishing Media: Use media suitable for surrounding fire.

Unusual Fire or Explosive hazards: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Methods for cleaning up: Soak up spills with absorbent materials to collect liquid waste. Use disinfecting wipes or disinfectant cleaner to clean the spill area and surrounding area. All materials used for clean-up may be placed into the trash to be disposed of through the municipal waste.

SECTION 7: HANDLING AND STORAGE

Handling: Avoid contact with eyes. Use in well ventilated areas. Wash thoroughly after handling. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated contact with skin.

Storage: Store in original container in a cool, well-ventilated, dry area at temperature between 32°F and 70°F. Keep out of reach of children/animals.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: Special ventilation is not required for normal handling and use of this product when following the label requirements. If aerosolization of the product or minor respiratory irritation occurs, the use of NIOSH-approved organic vapor cartridge is recommended.

Skin and Body Protection: Rubber/latex gloves should be worn to prevent repeated or prolonged contact with the liquid.

Eye/Face Protection: Use safety goggles.

Hygiene measures: Wash hands and face prior to eating, drinking, chewing gum or using tobacco. Clean water should be available for washing in case of eye or skin contamination. Remove and wash contaminated clothing before re-use. Launder work clothing separately from regular household laundry.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Odor: Strong, Fermented

Color: Light brown

pH: Not available

Vapor pressure: Not available

Vapor density: Not available

Melting point/freezing point: Not applicable

Boiling Point/Range: Not available

Water solubility: Soluble in water

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Hazardous polymerization: Will not occur.

Hazardous Decomposition Products: None known based on information supplied.

SECTION 11: TOXICOLOGY INFORMATION

Incompatible materials: None known.

Oral: Acute toxicity results indicate unlikely to cause irritation.

Eye: Minor and temporary irritation can occur with direct exposure clearing within 48 hours.

Dermal: Acute dermal LD50 is greater than 2,000mg/kg body weight.

Inhalation: Acute inhalation LC50 of the test substance is greater than 2.2mg/L.

SECTION 12: ECOLOGICAL INFORMATION

This product contains naturally occurring soil bacteria.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of unused product in accordance with provincial/state and local waste disposal regulations.

SECTION 14: TRANSPORT INFORMATION

This product is not regulated as a hazardous material for transportation within the US by any means of transportation.

SECTION 15: REGULATORY INFORMATION**U.S. Federal Regulations**

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations: This product does not contain any substances regulated by state right-to-know regulations.

International Inventories: This product does not contain any substances on the International Inventories.

WHMIS Statement: This product has been classified in accordance with the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

SECTION 16: OTHER INFORMATION

DISCLAIMER: Pivot Bio believes that the information and recommendations contained herein (including data and statements) are accurate as of the date hereof. The information provided herein is to our best present knowledge correct and complete and is given in good faith but without warranty. The information relates only to the specified product designated and should not be construed as guaranteeing any specific property of the product where such product is used in combination with any other materials or in any process.