

#30950, 30951

PG. 1
(W)

MATERIAL SAFETY DATA SHEET

Complies with OSHA's 29 CFR
1910.1200 and State Hazard
Communication Standards.

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SECTION 1

PRODUCT IDENTITY: LIQUI-BAC, Living Liquid Bacteria with Instant Odor Control

DATE PREPARED: 12/10/92

NFPA/HMIS HAZARD CODES (minimal = 0; slight = 1; moderate = 2; serious = 3; severe = 4)
Health: 1/2 Fire: 0/0 Reactivity: 0/0 Special: NA

SECTION 2: HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u>	<u>CAS #</u>	<u>OSHA-PEL</u>	<u>ACGIH-TLV</u>	<u>% BY WT.</u>
Viable bacterial cultures (largely water)	Not Applicable	None Est.	None Est.	90 max.
Nonionic detergent	9016-45-9	None Est.	None Est.	10 max.

SECTION 3: PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: 212°F
VAPOR PRESSURE: As water
VAPOR DENSITY (air = 1): As water
SOLUBILITY IN WATER: 99%

SPECIFIC GRAVITY: Approx. 1.0
PERCENT VOLATILE: Undetermined
EVAPORATION RATE: As water
pH: 7.5

APPEARANCE AND ODOR: Opaque white liquid; herbal/spice/floral fragrance or without perfume as labeled.

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SECTION 4: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None (TCC) **FLAMMABLE LIMITS:** Not Applicable
EXTINGUISHING MEDIA: So As for surrounding fire - product will not burn.
SPECIAL FIREFIGHTING PROCEDURES: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

SECTION 5: REACTIVITY DATA

STABILITY: Stable under normal conditions. **HAZARDOUS POLYMERIZATION:** Will not occur
CONDITIONS TO AVOID: None
INCOMPATIBILITY: Strong acids or alkalis may inactivate bacterial cultures.

HAZARDOUS DECOMPOSITION PRODUCTS: None

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PAGE 2 OF 2**SECTION 6: HEALTH HAZARD DATA**

ROUTES OF ENTRY/SIGNS AND SYMPTOMS OF EXPOSURE: ACUTE: Eyes: may cause irritation. Skin: possible irritation in sensitive individuals. Systemically toxic concentrations will probably not be absorbed through the skin. Organisms used are non-pathogenic but can cause infection when in contact with open wounds or broken skin. These organisms are susceptible to many commonly-used antibiotics. Inhalation: May cause irritation, coughing, congestion. Individuals sensitive to enzyme products may develop allergic respiratory symptoms if enzyme mists or dusts are inhaled. Symptoms may develop during work hours or can be delayed 6 to 12 hours and usually disappear within hours or a few days after exposure is eliminated. Ingestion: small amounts or single dose should have little or no toxic effect. May irritate mouth, throat, or digestive tract. Limited toxicity data are available on this specific product; this health hazard assessment is based on the results of screening tests.

CHRONIC EFFECTS: Dermatitis and skin sensitization can develop after repeated and/or prolonged contact with skin. Repeated inhalation of enzyme containing dust or aerosols can cause an allergic response.

CARCINOGENS: None under OSHA, IARC or NTP.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Individuals with a history of dermal allergic reaction may experience slight redness on hands and forearms. Enzyme-sensitive individuals may experience a respiratory or allergic response to inhalation of dusts or mists.

EMERGENCY AND FIRST AID PROCEDURES: Eyes: immediately flush with plenty of water for at least 15 minutes. Skin: wash with plenty of soap and water. Remove contaminated clothing and footwear. Inhalation: Remove to fresh air. Aid breathing as needed. Ingestion: If conscious, give water or milk to dilute. Get medical attention for eye, ingestion, or if irritation persists or develops later.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

SPILL OR LEAK PROCEDURES: SMALL SPILLS: Flush to waste treatment sewer (product is biodegradable), or soak up on inert absorbent and sweep up.

LARGE SPILLS: Contain and collect for reuse.

WASTE DISPOSAL METHOD: Dispose of this product or its residues in accordance with Federal, State and local regulations.

HANDLING AND STORING: Avoid creating mists and aerosols. To maintain shelf life, avoid prolonged exposure to high or low temperatures and humidity. Avoid temperatures above 110°F and keep from freezing.

OTHER PRECAUTIONS: Prevent skin and eye contact. Do not breathe spray mist. Avoid all contact with open wounds or broken skin. Minimize exposure in accordance with good hygiene practices.

SECTION 8: CONTROL MEASURES

RESPIRATORY PROTECTION: None required in normal use. If applying to large areas or if mists in air, wear NIOSH-approved dust or mist respirator.

VENTILATION: Normal room ventilation.

GLOVES: Rubber or plastic as needed to avoid skin contact.

EYE PROTECTION: Chemical safety glasses or goggles.

OTHER PROTECTIVE EQUIPMENT: Eyewash station should be available in work area.

WORK/HYGIENIC PRACTICES: Wash skin thoroughly with soap and water after handling. Wash clothing and footwear before reuse.

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