

MATERIAL SAFETY DATA SHEET**SECTION I PRODUCT IDENTIFICATION**

PRODUCT NAME: Wilclear[®] Sodium Lactate 60% Solution
PRODUCT USE: Bioremediation
SUPPLIER: JRW Bioremediation, LLC
 14321 W. 96th Terrace
 Lenexa, KS 66215
 913-438-5544
EMERGENCY TELEPHONE: 800-779-5545 x 116 (Mon-Fri 9am-5pm CST)
 913-961-6644 (afterhours)
DATE REVISED: 05-13-2011
FORMULA: CH₃-CHOH-COONa

SECTION II COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Sodium lactate	72-17-3	60%
Water	7732-18-5	40%

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: 221°F
Vapor pressure (Mg Hg): Not determined
Vapor density (air = 1): Not determined
Solubility in water: Soluble
Appearance and odor: Clear to light yellow / slight to no odor
Specific gravity (H₂O = 1): 1.32 H₂O=1 @ 20°C
Melting point: Not determined
Evaporation rate: Not determined
pH: 6.0-8.5
Pour Point: Not applicable
Viscosity: 100cP @ 20°C
Molecular Weight: 112.07
Physical State: Liquid

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Closed cup Flash point: Not determined
Open cup Flash point: Not determined
Auto Ignition: Not determined
Fire Point: Not determined
Flammable limits: Not determined
LEL: Not determined
UEL: Not determined
Extinguishing media: Water, carbon dioxide, or dry chemical.
Special Fire Fighting procedures: Wear self-contained breathing apparatus
Unusual Fire Fighting hazards: Thermal decomposition may lead to release of irritating or toxic gases and vapors.

SECTION V REACTIVITY DATA

Stability: Unstable Stable

Conditions to avoid: Not Applicable

Incompatibility (materials to avoid): Not Applicable

Hazardous decomposition or byproducts: Not Applicable

Hazardous polymerization: May Occur Will Not Occur

SECTION VI HEALTH HAZARD DATA Based on concentration as sold

Route/s of Entry:

Inhalation: Inhalation of mist may cause mild irritation of respiratory system. Move to fresh air.

Skin contact: In case of contact with skin, immediately wash with soap and water while removing contaminated clothing.

Eye contact: In case of contact with eyes, immediately flush eyes with water for at least 15 minutes, lifting eyelids to facilitate irrigation. Get medical attention if necessary.

Ingestion: If swallowed, get medical attention.

Health hazards (acute and chronic): No specific data. Low order of toxicity. The chemical, physical, and toxicological properties have not been thoroughly examined.

Carcinogenicity: Not determined.

Signs and symptoms of exposure: Not determined.

Medical conditions aggravated by exposure: Not determined.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled: Contain spill and place material in drum for disposal. Dispose of according to all local, state, and federal regulations at an approved waste treatment facility.

Precautions to be taken in handling and storage: Use personal protective equipment. Prevent spills and leakage. Keep container tightly closed. Keep in properly labeled containers. Store in a cool, dry area.

Other precautions: No special environmental precautions required.

SECTION VIII CONTROL MEASURES

Respiratory protection (specify type): No personal respiratory protective equipment normally required in well ventilated areas.

Ventilation: Use adequate mechanical ventilation, especially in confined spaces. Local exhaust is recommended.

Protective gloves: Recommended.

Eye protection: Safety glasses recommended.

Other protective clothing or equipment: Unnecessary if other control measures are used.

Hygiene practices: Avoid contact with skin. When using, do not eat, drink, or smoke. Remove and wash contaminated clothing before re-use.

SECTION IX	DOT INFORMATION
DOT hazard class:	Not Applicable
Labeling:	Not Applicable
Proper Shipping Name:	Wilclear [®] Sodium Lactate 60% Solution
NMFC#:	46400.02
Class	70