



QUALITY CONTROL DEPT.

MATERIAL SAFETY DATA SHEET

MATERIAL: Industrial Lactic Acid

CODE NO. CG001, EM001

PREPARED: 11.05.03
REVISED: 2.1.08

PRODUCT NAME: Industrial Lactic Acid
DISTRIBUTED BY: SCD, LLC
Kansas City, MO 64106
(913) 541-9299

SECTION I - PRODUCT IDENTIFICATION

GENERAL OR GENERIC NAME: Natural lactic acid

HAZARD RATING: HEALTH: 0 Normal Material
FIRE: 0 Will not burn
REACTIVITY: 0 Stable

CHEMICAL NAME: L-Lactic Acid

CHEMICAL FORMULA: C3-H6-O3

% by WEIGHT: 2.0% (Titratable Acidity, expressed as largely lactic acid and to small extent other organic acids)

SECTION II - HAZARDOUS INGREDIENTS

If present, carcinogens and chemicals subject to reporting are identified in this section:

No hazardous ingredients present; not hazardous to humans, animals or plants. Acidity is equivalent to natural fruit juice such as orange juice.

SECTION III - PHYSICAL DATA

BOILING POINT: >100 °C SPECIFIC GRAVITY: 1.2 (25°c)
VAPOR PRESSURE: N/D SOLUBILITY IN WATER: Complete
VAPOR DENSITY: Air = 1 MELTING POINT: N/A
% VOLATILE BY VOLUME: 0 EVAPORATION RATE: Equal to water
APPEARANCE AND ODOR: Dark brown liquid; pH OF SOLUTION: < 3.50±0.20
sweet, fermented smell

SECTION IV - FIRE AND EXPLOSION INFORMATION

FLASH POINT: N/A HAZARDOUS DECOMPOSITION BYPRODUCTS: None
EXPLOSION LIMIT: 0 FIRE FIGHTING PROCEDURES: N/A
EXTINGUISHING: N/A SPECIAL FIRE & EXPLOSION HAZARDS: None



SECTION V - HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL: None; see Section II
HEALTH HAZARDS: None
CARCINOGENICITY: Non-carcinogenic
EFFECTS OF CHRONIC OVEREXPOSURE: None

PRIMARY ROUTES OF ENTRY: Skin contact, Eye contact, Ingestion, Inhalation

SIGNS AND SYMPTOMS OF EXPOSURE:

SKIN: None
EYES: May cause eye irritation
INHALATION: May cause breathing un-comfort
INGESTION: May cause gas

FIRST AID:

IF ON SKIN: None
IF ON EYES: Flush with fresh water
IF INHALED: Remove to open and well ventilated area
IF INGESTED: Drink fresh water

SECTION VI - REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable with no toxic fumes.
INCOMPATIBILITY: None
HAZARDOUS DECOMPOSITION
OR BYPRODUCTS: None; biodegradable

SECTION VII - SPILL OR LEAK PROCEDURES

IN CASE OF LEAK OR SPILL: Mop up with fresh water, sewer disposal
WASTE DISPOSAL METHOD: Sewer disposal
HANDLING AND STORING PRECAUTIONS: Store at room temperature
EPA HAZARDOUS WASTE: No

SECTION VIII – HANDLING AND STORAGE

MINIMUM/MAXIMUM STORAGE TEMPERATURE: Not available
HANDLING: Keep containers closed when not being used.
This product presents a weak off-gassing of organic volatiles. Avoid direct or prolonged breathing off-gas.
STORAGE: Store in closed containers. Store in an area that is clean, dry, away from ignition source, isolated from all toxic and harmful substances.