



Creating Solutions for the Food and Beverage Industries

## SAFETY DATA SHEET

EFFECTIVE: May 22, 2015

ORIGINAL: May 22, 2015

This Safety Data Sheet confirms to the format requirements of the Global Harmonizing System and complies with Hazard Communication Standard (HCS) of 29 CFR 1910.1200.

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### SECTION 1: IDENTIFICATION

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FBC INDUSTRIES, INC.  
1933 N. MEACHAM, SUITE 550  
SCHAUMBURG, IL 60173  
(847) 839-0880 PHONE, (847) 839-0884 FAX

FBC INDUSTRIES (PLANT LOCATION)  
1400 S. MONROE STREET  
SPENCER, WI 54479-0162  
(715) 659-4869 PHONE, (715) 659-4649 FAX

PRODUCT IDENTITY: POTASSIUM LACTATE/SODIUM DIACETATE 60%  
COMMON NAME OR SYNONYMS: POTASSIUM-2-HYDROXYPROPANOATE/SODIUM DIACETATE  
PRODUCT USE: ANTIMICROBIAL AGENT  
24 Hour Emergency Phone: CHEMTREC 800- 424-9300

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### SECTION 2: HAZARD(S) IDENTIFICATION

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WARNING! Irritant (skin and eye)

**HAZARD STATEMENTS:**

(H300s) HEALTH: Skin Corrosion/Irritation: Category 3

**H316 CAUSES MILD SKIN IRRITATION**

(H300s) HEALTH: Serious Eye Damage/Eye Irritation: Category 2B

**H320 CAUSES EYE IRRITATION**

(H300s) HEALTH: Acute Toxicity/Oral: Category 5

**H303 MAY BE HARMFUL IF SWALLOWED**

**PRECAUTIONARY STATEMENTS:**

**P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal**

P264	Wash exposed skin thoroughly after handling.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.

Reference: GHS Purple Book-Annex 3

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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MATERIAL	CAS#	WT%
POTASSIUM LACTATE	996-31-6	54.5-57.3
SODIUM DIACETATE	126-96-5	3.7-5.0
WATER	7732-18-5	41.8-37.7

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#### **SECTION 4: FIRST-AID MEASURES**

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##### **EMERGENCY AND FIRST AID PROCEDURES:**

EYE CONTACT- FLUSH EYE WITH WATER 15 MINUTES OR LONGER

SKIN CONTACT- RINSE CONTACTED AREA WELL WITH WATER

INHALATION – CONTACT POISON CENTER OR DOCTOR IF YOU FEEL UNWELL

IF SWALLOWED- RINSE (DO NOT SWALLOW) MOUTH WITH PLENTY OF WATER, CONTACT POISON CENTER FOR ADVICE/ASSISTANCE IF UNWELL

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#### **SECTION 5: FIRE-FIGHTING MEASURES**

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FIRE & EXPLOSION PREVENTION MEASURES: NON-FLAMMABLE LIQUID

SUITABLE EXTINGUISHING MEDIA: EXTINGUISHING AGENTS APPROPRIATE FOR SURROUNDING FIRE

NON-SUITABLE EXTINGUISHING MEDIA: NONE KNOWN

SPECIAL PROTECTIVE EQUIPMENT & PRECAUTIONS: FIREFIGHTERS SHOULD WEAR PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS FOR FIGHTING SURROUNDING FIRE

HAZARDOUS COMBUSTION PRODUCTS: WITH EVAPORATION TO DRYNESS; CARBON OXIDES, POTASSIUM OXIDES

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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PERSONAL PRECAUTIONS: EQUIPMENT SHOULD BE ADEQUATE TO PREVENT SKIN & EYE CONTACT.

EMERGENCY PROCEDURES: EVACUATION NOT REQUIRED; WATERPROOF CLOTHING RECOMMENDED IF LARGE SPILL—BOOTS

METHODS AND MATERIALS FOR CONTAINMENT: USE STANDARD CONTAINMENT SOCKS, PADS & PILLOWS FOR CONTAINMENT; NO KNOWN RESTRICTION ON MATERIAL FOR SHORT-TERM DRAIN COVERS

CLEANUP PROCEDURES: ABSORB ON FIRE RETARDANT TREATED SAWDUST, DIATOMACEOUS EARTH; MIX AND SCOOP UP SLURRY AND PLACE IN SUITABLE WASTE DISPOSAL CONTAINER, WASH RESIDUAL WITH WATER. CONTAINERS SHOULD BE TRANSPORTED AND DISPOSED OF ACCORDING TO LOCAL AND REGIONAL AUTHORITIES.

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#### **SECTION 7: HANDLING AND STORAGE**

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PRECAUTIONS FOR SAFE HANDLING: USE NORMAL SAFETY PROCEDURES AVOIDING DIRECT CONTACT WITH EYES AND SKIN. USE GOOD PERSONAL HYGIENE AND GOOD HOUSE KEEPING PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

KEEP CONTAINERS SEALED WHEN NOT IN USE TO AVOID SPILLS.

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#### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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##### **EXPOSURE LIMITS:**

MATERIAL	CAS #	EINECS #	TWA (OSHA)	TLV (ACGIH)
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Potassium Lactate	996-31-6	-	None Known	None Known
Sodium Diacetate	126-96-5	-	None Known	None Known

**APPROPRIATE ENGINEERING CONTROLS:** USE IN ENCLOSED SYSTEM WHEN POSSIBLE, USE CORROSION RESISTANT STORAGE TANKS TRANSFER LINES.

**RESPIRATORY EXPOSURE CONTROLS—USE NIOSH/OSHA APPROVED RESPIRATOR VENTILATION LOCAL OR SPECIAL—LOCAL IS RECOMMENDED**

#### **INDIVIDUAL PROTECTION MEASURES SUCH AS PERSONAL PROTECTIVE EQUIPMENT:**

EYE/FACE PROTECTION—OSHA STANDARD SAFETY GLASSES WITH SIDE SHIELDS & CHEMICAL GOGGLES IF CONTACT LIKELY

SKIN PROTECTION—PROTECTIVE GLOVES RECOMMENDED AND APRONS OR APPROPRIATE WORK CLOTHING & BOOTS IMPERVIOUS TO MATERIAL. PVC OR NITRILE RECOMMENDED.

HYGIENE MEASURES—PROVIDE READILY ACCESSIBLE EYE WASH AND SAFETY SHOWERS; WASH HANDS PRIOR TO EATING; DESTROY CONTAMINATED LEATHER WEAR AND LAUNDER OR DESTROY CONTAMINATED CLOTHING.

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE—CLEAR TO PALE YELLOW LIQUID

LOWER FLAMMABLE LIMIT—NOT APPLICABLE

UPPER FLAMMABLE LIMIT—NOT APPLICABLE

ODOR—SLIGHT ACETIC

ODOR THRESHOLD—NOT AVAILABLE

VAPOR PRESSURE (MMHG)—NOT AVAILABLE

VAPOR DENSITY (AIR=1)—NOT AVAILABLE

pH (10%) 5.0-7.0

RELATIVE DENSITY—1.32-1.34 @ 25°C

MELTING POINT—NOT APPLICABLE

FREEZE POINT—NOT AVAILABLE

SOLUBILITY—INFINITE

INITIAL BOILING POINT—NOT AVAILABLE

FLASH POINT—NOT APPLICABLE

EVAPORATION RATE—NOT AVAILABLE

FLAMMABILITY—NOT APPLICABLE

PARTITION COEFFICIENT (N-OCTANOL/WATER)—NOT AVAILABLE

AUTO-IGNITION TEMPERATURE—NOT APPLICABLE

DECOMPOSITION TEMPERATURE—NOT AVAILABLE

VISCOSITY—NOT AVAILABLE

#### **SECTION 10: STABILITY AND REACTIVITY**

REACTIVITY AND CHEMICAL STABILITY: STABLE UNDER NORMAL CONDITIONS; NO STABILIZERS REQUIRED

CONDITIONS TO AVOID: EXCESS HEAT

INCOMPATIBLE MATERIALS: STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

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### **ACUTE HAZARDS:**

EYE & SKIN—MAY CAUSE MILD SKIN IRRITATION

MAY CAUSE EYE IRRITATION

INHALATION—MIST MAY CAUSE IRRITATION

SWALLOWING—POSSIBLE IRRITATION IF SWALLOWED. INGESTION OF LARGE QUANTITIES MAY CAUSE ABDOMINAL IRRITATION, NAUSEA, VOMITING & DIARRHEA

### **SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED:**

PRE-EXISTING DISORDERS OF ANY TARGET ORGANS IDENTIFIED IN THIS DOCUMENT CAN BE AGGRAVATED BY OVER-EXPOSURE OF THIS PRODUCT BY ROUTES IDENTIFIED IN THIS DOCUMENT-PERSONS WITH SUCH DISORDERS SHOULD AVOID USE OF THIS PRODUCT.

### **CHRONIC HAZARDS:**

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS

THIS PRODUCT HAS NO CARCINOGENS LISTED BY IARC, NTP, NIOSH, OSHA OR ACGIH GREATER OR EQUAL TO 0.1%

TARGET ORGANS—NO DATA AVAILABLE

IRRITANCY—IRRITATING TO CONTAMINATED TISSUE

SENSITIZATION—NO COMPONENT KNOWN AS SENSITIZER

MUTAGENICITY—NO KNOWN REPORTS OF MUTAGENIC EFFECTS IN HUMANS

EMBRYOTOXICITY—NO KNOW REPORTS OF EMBRYOTOXIC EFFECTS IN HUMANS

TERATOGENICITY—NO KNOWN REPORTS OF TERATOGENIC EFFECTS IN HUMANS

REPRODUCTIVE TOXICITY—NO KNOWN REPORTS OF REPRODUCTIVE EFFECTS IN HUMANS

### **MAMMALIAN TOXICITY INFORMATION:**

POTASSIUM LACTATE: LD50 (ORAL, RAT)—EXPECTED TO BE > 2,000 mg/kg

SODIUM DIACETATE: LD50 (ORAL, RAT)—EXPECTED TO BE > 2,000 mg/kg BASED ON (ORAL, RAT)  
4,960 mg/kg AS NEUTRALIZED ACETIC ACID

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## **SECTION 12: ECOLOGICAL INFORMATION**

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EFFECTS OF MATERIAL ON PLANTS AND ANIMALS: THIS PRODUCT MAY BE HARMFUL TO PLANT AND ANIMAL LIFE IF RELEASED INTO THE ENVIRONMENT.

BIOCHEMICAL OXYGEN DEMAND (BOD)—UNKNOWN

CHEMICAL OXYGEN DEMAND (COD)—UNKNOWN

ECOTOXICITY—UNKNOWN

EFFECTS OF MATERIAL ON AQUATIC LIFE: NO AQUATIC ENVIRONMENTAL INFORMATION IS AVAILABLE ON THIS PRODUCT

MOBILITY IN SOIL: MOBILITY OF THIS MATERIAL HAS NOT BEEN DETERMINED

DEGRADABILITY: THIS PRODUCT IS COMPLETELY BIODEGRADABLE

ACCUMULATION: BIOACCUMULATION OF THIS PRODUCT HAS NOT BEEN DETERMINED

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## SECTION 13: DISPOSAL CONSIDERATIONS

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WASTE PRODUCT SHOULD NOT BE DISPOSED OF TO THE SEWER UNLESS FULLY COMPLIANT WITH ALL REGULATORY AUTHORITIES THAT HAVE JURISDICTION TO REGULATE DISPOSAL BY SUCH MEANS. UNUSED OR CONTAMINATED PRODUCT SHOULD BE DISPOSED OF IN ORIGINAL CONTAINER BY A WASTE DISPOSAL CONTRACTOR LICENSED TO HANDLE THIS PRODUCT. INSTRUCTIONS FOR RESPONSIBLE COLLECTION OF TOTES ARE DISPLAYED ON TOTES—THEY SHOULD BE IN “DRIP DRY” STATE FOR PICKUP. ALL OTHER CONTAINERS SHOULD BE COLLECTED BY AN AUTHORIZED RECYCLER IF POSSIBLE AND SHOULD BE IN A “DRIP DRY” STATE.

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## SECTION 14: TRANSPORT INFORMATION

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DOT/TDG SHIP NAME: NOT REGULATED  
DRUM/TOTE LABEL: NONE  
SPECIAL PRECAUTIONS: NONE

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## SECTION 15: REGULATORY INFORMATION

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### EPA REGULATION:

SARA SECTION 311/312 HAZARDS: None

All components of this product are on the TSCA list. This material contains no known products restricted under SARA Title III, Section 313 in amounts greater than or equal to 1%.

### STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65): This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

### INTERNATIONAL REGULATIONS:

The identified components of this product are: listed (X), not listed (NL) or not determined (ND) on the chemical inventories of the following countries: Australia (AICS)-X, Canada (DSL or NDSL)-X, China (IECSC)-X, Europe (EINECS or ELINCS)-X, Japan (METI/CSCL, MHLW/ISHL)-ND, South Korea (KECI)-X, New Zealand (NZIoC)-X, Philippines (PICCS)-X, Switzerland (SWISS)-ND, Taiwan (NECSI)-ND, USA (TSCA)-X.

### CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

NOT KNOWN

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## SECTION 16: OTHER INFORMATION

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### HAZARD RATINGS:

NFPA: HEALTH: 0, FLAMMABILITY: 0, INSTABILITY/ REACTIVITY: 0

HMIS: HEALTH: 0, FLAMMABILITY: 0, PHYSICAL HAZARD: 0

This information is intended solely for individuals trained in NFPA & HMIS hazard warning systems.

### EMPLOYEE TRAINING:

EMPLOYEES SHOULD BE MADE AWARE OF ALL HAZARDS STATED IN THIS SDS.

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**MANUFACTURES DISCLAIMER**

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