SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER
- Chemical name: Maltodextrin
- CAS number: 9050-36-6

1.2 RELEVANT IDENTIFIED USES OF THE SUBSTANCE AND USES ADVISED AGAINST
Liquid food ingredient.

1.3 DETAILS OF THE SUPPLIER
- Company identification
  Americas: Tate & Lyle Ingredients Americas LLC.
  2200 E. Eldorado Street
  Decatur, IL 62521

  Europe: Tate & Lyle Slovakia s.r.o.
  Boleraz 114
  919 08 boleraz
  Slovakia

  Asia-Pacific: Tate & Lyle
  3 Biopolis Drive, #05-11 Synapse
  Singapore 138623

1.4 EMERGENCY PHONE NR.
CHEMTREC
Toll-Free: 1-800-424-9300 (USA and Canada)
Non Toll-Free +1-703-527-3887 (Global)

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC [CLP]: Not classified

2.2. LABEL ELEMENTS
SIGNAL WORD:

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Not applicable

HAZARD STATEMENTS:
Not applicable

SYMBOL:
Not applicable

PRECAUTIONARY STATEMENTS:
Not applicable

2.3. OTHER HAZARDS
This product is not considered hazardous as defined in the OSHA hazard Communication Standard (29 CFR 1910.1200). Product is a liquid food ingredient.

FIRE AND EXPLOSION HAZARD:
Liquid product will not burn.

POTENTIAL ACUTE HEALTH EFFECTS FROM OCCUPATIONAL EXPOSURE:
Inhalation: No effects known or anticipated.
Skin contact: No effects known or anticipated.
Eye contact: No effects known or anticipated.
Ingestion: No effects known or anticipated.

SECTION 3: COMPOSITION/INFORMATION OF INGREDIENTS
- Chemical name: Maltodextrin
- CAS number: 9050-36-6
- EINECS number: 232-940-4

SECTION 4: FIRST AID MEASURES
4.1 DESCRIPTION OF FIRST AID MEASURES
- General advice: Seek medical attention if irritation develops after first aid application.
- Inhalation: No special treatment under normal circumstances.
- Skin contact: No special treatment under normal circumstances. Clean with soap and water.
- Eye contact: No special treatment under normal circumstances. Rinse with eye wash solution or clean water. If symptoms develop,
obtain medical attention.

- Ingestion

No special treatment under normal circumstances.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED
None Anticipated

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED.
None Anticipated

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA
Use media appropriate for surrounding fire.

5.2 SPECIFIC HAZARDS
FIRE AND EXPLOSION HAZARD:
None, liquid product will not burn.

5.3 SPECIFIC PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS
Wear self-contained breathing apparatus and full protective gear. Use water spray to cool fire exposed containers.

FLAMMABILITY CLASS (OSHA)
Not applicable

HAZARDOUS COMBUSTION PRODUCTS
Carbon dioxide and carbon monoxide

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS
None under normal conditions.

6.2 ENVIRONMENTAL PRECAUTIONS
Prevent further leakage or spillage if safe to do so. No special environmental precautions required

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6.3 METHODS FOR CLEANING UP
OCCUPATIONAL SPILL:
No specific cleaning procedure is necessary. If washing down spilled area is necessary, use copious amounts of water and control runoff. Follow local, state and federal regulations for product disposal.

6.4 REFERENCE TO OTHER SECTIONS
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment
See Section 13 for disposal information

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING
No specific handling is necessary.

7.2 CONDITIONS OF SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Follow the storage conditions as described in the specification sheet.

7.3 SPECIFIC END USE(S)
Not applicable

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 CONTROL PARAMETERS
Not hazardous as defined in OSHA 29 CFR 1910.1200. Product is a liquid food ingredient.
Exposure limits: Not applicable

8.2 EXPOSURE CONTROLS
APPROPRIATE ENGINEERING CONTROLS:
Ventilation: Normal industrial hygiene measures should be sufficient.

APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT:
Eye protection: Safety glasses are recommended.
Emergency wash facilities: Eye wash is recommended for conditions where splashing is likely.
Special protective clothing: Not normally required.
Gloves: Not normally required.
Respirator: Not normally required.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES
- Physical form: Syrup
- Color: Transparent water like to light yellow
- Odor: Bland
- pH (concentration): Data on specification sheet if available.
- Boiling point: No data
- Flash point: No data
- Melting/freezing point: No data
- Decomposition temperature: No data
- Auto-ignition temperature: No data
- Explosion properties: No data
- Oxidising properties: No data
- Vapour pressure: No data
- Vapor density: No data
- Relative density: No data
- Bulk density: No data
- Specific gravity: No data
- Viscosity: Data on specification sheet if available.
- Water solubility: Soluble
- Solubility (non aqueous): No data
- Partition coefficient: No data
- Dissociation constant: No data
- Evaporation rate: No data

9.2 OTHER INFORMATION

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
Stable

10.2 CHEMICAL STABILITY
Stable under normal conditions.
Polymerization will not occur.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
Not applicable

10.4 CONDITIONS TO AVOID
Avoid contact with strong oxidizers.

10.5 INCOMPATIBLE MATERIALS
Oxidizing agents, strong acids

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Nothing unusual

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS
This (these) product(s) is(are) food ingredients.

ACUTE HEALTH EFFECTS:
Inhalation: No effects known or anticipated.
Skin contact: No effects known or anticipated.
Eye contact: No effects known or anticipated.
Ingestion: No effects known or anticipated.

CHRONIC HEALTH EFFECTS: None known or anticipated.

CARCINOGEN STATUS:
OSHA: Not listed.
NTP: Not listed.
IARC: Not listed.

SECTION 12: ECOLOGICAL INFORMATION

12.1 TOXICITY
No data

12.2 PERSISTENCE/DEGRADABILITY
Readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL
Food and feed ingredient, not relevant.

12.4 MOBILITY IN SOIL
Not applicable

12.5 BPT, vPvB
The substance does not meet the criteria for PBT or vPvB.

12.6 OTHER ADVERSE EFFECTS
None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
Follow local, state and federal regulations for product disposal. Not a hazardous waste unless contaminated with hazardous products.

SECTION 14: TRANSPORTATION INFORMATION

International regulations (RID/ADR; RTMDR; IMDG; IATA/OACI): Not classified as dangerous for transport.
DOT shipping label: Non-hazardous

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS
According with the version of the Globally Harmonized System of Classification and labeling adopted in the United States and Regulation 1272/2008/EC(CLP): Not classified

15.2 CHEMICAL SAFETY ASSESSMENT
US FEDERAL REGULATIONS:
Clean Air Act:
ODS: Not applicable.
TSCA Status: Not applicable.
SARA (EPCRA) Section 313 (40 C.F.R. § 372.65): Not applicable.

STATE REPORTING REQUIREMENTS:
California Proposition 65: Not applicable.

SECTION 16: OTHER INFORMATION

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