



Issuing Date 22-Jul-2010

Revision Date 27-Nov-2012

Revision Number 2

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

Product Name 5X Sucrose Gel Loading Dye
Product Code(s) E274
Recommended Use For Further Manufacturing Use Only
Not for Human or Animal Drug Use

Company
AMRESKO, LLC
6681 Cochran Road
Solon, Ohio 44139

Emergency Telephone Number Chemtrec 1-800-424-9300

Company Phone Number 1-800-448-4442
E-mail Address info@amresco-inc.com

2. HAZARDS IDENTIFICATION

GHS - Classification

Classification Not classified as a hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | EC No. | REACH Reg. No. | CAS-No | Weight % | Classification |
|---------------|-------------------|----------------|---------|----------|----------------|
| Sucrose | EEC No. 200-334-9 | Not available | 57-50-1 | <50 | - |

4. FIRST AID MEASURES

Eye Contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation Move to fresh air. If breathing becomes difficult, give oxygen.

Ingestion Clean mouth with water and afterwards drink plenty of water.

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable.

Flash Point Not determined

Suitable Extinguishing Media Dry chemical, CO₂, water spray or regular foam.

Hazardous Combustion Products Carbon oxides, Nitrogen oxides (NO_x), Sulfur oxides.

Explosion Data

Sensitivity to Mechanical Impact Not sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective Equipment and Precautions for Firefighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling Handle in accordance with good industrial hygiene and safety practice.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Products Strong oxidizing agents.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--------------------|---------------------------|---|---|
| Sucrose 57-50-1 | TWA: 10 mg/m ³ | TWA: 15 mg/m ³ TWA: 5 mg/m ³ | TWA: 10 mg/m ³ TWA: 5 mg/m ³ |

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin and Body Protection Wear protective gloves/clothing.

Respiratory Protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|--|--------------------------------|--------------------------------|
| Appearance | Dark purple | |
| Odor | No information available | |
| Odor Threshold | No information available | |
| Decomposition Temperature °C | No information available | |
| Freezing Point | No information available | |
| Initial Boiling Point | No information available | |
| Physical State | slightly Viscous liquid | |
| pH | No data available | |
| Flash Point | Not determined | |
| Autoignition Temperature | No data available | |
| Boiling Point/Range | No data available | |
| Melting Point/Range | No data available | |
| Flammability Limits in Air | Upper No data available | Lower No data available |
| Explosive Properties | No information available | |
| Oxidizing Properties | No information available | |
| Evaporation Rate | No data available | |
| MMHG @ 37.8 C | No data available | |
| Vapor Density | No data available | |
| Specific Gravity | No data available | |
| Solubility | No information available | |
| Partition Coefficient (n-octanol/water) | No data available | |
| Viscosity | No information available | |

10. STABILITY AND REACTIVITY

| | |
|---|--|
| Stability | Stable under recommended storage conditions. |
| Incompatible Products | Strong oxidizing agents. |
| Conditions to Avoid | None known based on information supplied. |
| Hazardous Decomposition Products | Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides. |
| Hazardous Polymerization | Hazardous polymerization does not occur. |

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------|---------------------|-------------|-----------------|
| Sucrose | 29700 mg/kg (Rat) | | |

Chronic Toxicity

Chronic Toxicity No known effect based on information supplied.

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of material in accordance with all federal, state, and local regulations.

Contaminated Packaging Dispose of in accordance with all federal, state and local regulations.

14. TRANSPORT INFORMATION

IATA Not regulated

DOT Not regulated

15. REGULATORY INFORMATION

REACH Title VII Restrictions No information available.

| Chemical Name | Dangerous Substances | Organic Solvents | Harmful Substances Whose Names Are to be Indicated on the Label | Pollution Release and Transfer Registry (Class II): | Pollution Release and Transfer Registry (Class I): | Poison and Deleterious Substances Control Law: |
|--------------------------|---|--|---|---|--|--|
| Sucrose | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |
| Component | ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying | ISHA - Harmful Substances Requiring Permission | Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals | Toxic Release Inventory (TRI) - Group I | Toxic Release Inventory (TRI) - Group II | |
| Sucrose 57-50-1 (<50) | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable | Not applicable |

International Inventories

| | |
|---------------|-----------------|
| TSCA | Complies |
| EINECS/ELINCS | Complies |
| ENCS | Does not Comply |
| IECSC | Complies |
| KECL | Does not Comply |
| PICCS | Complies |
| AICS | Complies |

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

CERCLA

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---------------|---------------|------------|--------------|----------|--------------|
| Sucrose | X | | X | | X |

International Regulations

Mexico - Grade

| Chemical Name | Carcinogen Status | Exposure Limits |
|---------------|-------------------|----------------------------------|
| Sucrose | | Mexico: TWA 10 mg/m ³ |

Canada

WHMIS Hazard Class

Not determined

16. OTHER INFORMATION

Issuing Date 22-Jul-2010

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Revision Note
No information available

Recommended Restrictions No information available

Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS