

MATERIAL SAFETY DATA SHEET

ORA-SWEET

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DATE PREPARED: 12-01-2004

SECTION 1 - PRODUCT IDENTIFICATION AND HAZARDOUS COMPONENTS

PRODUCT NAME: Ora-Sweet

SYNONYMS: Oral Syrup Vehicle

MOLECULAR FORMULA: Mixture

MOLECULAR WEIGHT: N/A

CHEMICAL NAME: N/A

CHEMICAL FAMILY: N/A

| <u>INGREDIENT</u> | <u>%</u> | <u>OSHA PEL</u> | <u>ACGIH TLV</u> |
|-------------------|----------|-----------------|------------------|
| Sucrose | 54 | N/A | N/A |
| Glycerin | 5 | N/A | N/A |
| Sorbitol | 4 | N/A | N/A |

All other ingredients are present at less than 1% and considered as generally recognized as safe (GRAS) for oral consumption.

SECTION 2 - PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT: N/A

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: N/A
(WATER = 1)

EVAPORATION RATE: Nil
(BUTYL ACETATE = 1)

WATER SOLUBILITY: Freely miscible

WATER REACTIVE: No

APPEARANCE AND ODOR: Clear, light pink, syrupy liquid with a sweet fruity odor and taste.

SECTION 3 - FIRE AND EXPLOSION DATA

FLASH POINT (METHOD): N/A AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE LIMITS: LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Water spray, carbon dioxide, dry chemical, or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear protective gear as required by surrounding fire conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION 4 - REACTIVITY HAZARD DATA

STABILITY: Stable (X) Unstable ()

INCOMPATIBILITY (MATERIALS TO AVOID): None reported.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: May Occur () Will Not Occur (X)

SECTION 5 - HEALTH HAZARD DATA

TOXICITY: No specific toxicity data available for this product, however, all ingredients are considered generally recognized as safe (GRAS) for oral consumption.

CARCINOGEN LISTED BY: NTP Yes () No (X)
IARC Yes () No (X)
OSHA Yes () No (X)
Other Yes () No (X)

ROUTES OF ENTRY: Ingestion.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

INHALATION: No adverse effects expected.

EYE CONTACT: May cause irritation.

SKIN CONTACT: May cause irritation.

INGESTION: May cause irritation of the gastrointestinal tract.

CHRONIC EFFECTS OF OVEREXPOSURE: Possible diarrhea and associated fluid and electrolyte imbalances in sensitive individuals.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Caution must be used when given to patients with diabetes due to high sucrose content.

OTHER PRECAUTIONS TO CONSIDER: Due to presence of sorbitol this product may produce a diarrhetic effect and associated fluid and electrolyte imbalances in pediatric, geriatric or other sensitive individuals.

EMERGENCY FIRST AID PROCEDURES:

INHALATION: No adverse effects expected.

EYE CONTACT: Flush with water for at least 15 minutes. If irritation persists or develops seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and water. If irritation persists or develops seek medical attention.

INGESTION: No adverse effects expected, however, if any are noted seek medical attention or contact a poison control center.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

RESPIRATORY PROTECTION: No special respiratory protection required.

PROTECTIVE GLOVES: Rubber.

EYE PROTECTION: Safety glasses or goggles. Avoid wearing contact lenses when working with this or any chemical due to the possibility of increased severity of eye damage.

VENTILATION: No special venting required.

OTHER PROTECTIVE EQUIPMENT: Appropriate laboratory apparel.

SECTION 7 - HANDLING AND STORAGE PRECAUTIONS

HANDLING PRECAUTIONS: Wash thoroughly after handling.

STORAGE PRECAUTIONS: Store in a tight container at controlled room temperature. Exposure to cold temperatures may cause precipitation.

SECTION 8 - SPILL AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF SPILL OR DISCHARGE: Mop up any spillage with an absorbent material.

WASTE DISPOSAL METHOD: No special waste disposal methods required.

SECTION 9 - DISCLAIMER

The information contained in this Material Safety Data Sheet has been compiled from reliable sources and is believed to be correct as of the date issued. It is the responsibility of the user to determine the appropriateness and applicability to their situation. Paddock Laboratories, Inc. disclaims any expressed or implied warranty as to the accuracy of the above information and shall not be held liable for any direct, incidental, or consequential damages from use or reliance on the above information.

DEFINITIONS OF ABBREVIATIONS USED:

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| ACGIH: | American Conference of Governmental Industrial Hygienists |
| CAS: | Chemical Abstract Service |
| IARC: | Internal Agency for Research on Cancer |
| IDLH: | Immediately Dangerous to Life or Health level |
| LC ₅₀ : | Median Lethal Concentration |
| LD ₅₀ : | Median Lethal Dose |
| MSHA: | Mine Safety and Health Administration |
| N/A: | Not available |
| NIOSH: | National Institute for Occupational Safety and Health |
| NTP: | National Toxicology Program |
| OSHA: | Occupational Safety and Health Administration |
| PEL: | Permissible Exposure Limit |
| STEL: | Short Term Exposure Limit |
| TLV: | Threshold Limit Value |
| TWA: | Time Weighted Average |