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                                                         Version 1.4
Section 1 - Product and Company Information
Product Name
                             ISOMALTOSE APPROX. 98% MIXED ANOMERS
Product Number
                             I7253
Brand
                             SIGMA
                             Sigma-Aldrich Canada, Ltd
Company
Address
                             2149 Winston Park Drive
                             Oakville ON L6H 6J8 CA
Technical Phone:
                             9058299500
                             9058299292
Fax:
                             800-424-9300
Emergency Phone:
Section 2 - Composition/Information on Ingredient
Substance Name
                                                               SARA 313
ISOMALTOSE APPROX. 98% MIXED
                                        499-40-1
ANOMERS
Ingredient Name
                                        CAS #
                                                    Percent
                                                               SARA 313
The hazards identified with this
                                        None
 product are those associated with the
  residual solvents that are used in
  the manufacturing process.
ETHYL ALCOHOL, NON-DENATURED, 200
                                        64-17-5
                                                     >- 0.2
                                                     <- 1
  PROOF
                                                     >- 0.2
2-PROPANOL
                                         67-63-0
                                                               Yes
                                                     <- 1
ACETONE
                                         67-64-1
                                                     >- 0.1
                                                               No
                                                     <- 1
Formula
                C12H22O11
Section 3 - Hazards Identification
EMERGENCY OVERVIEW
   Irritant.
   Irritating to eyes, respiratory system and skin.
   Target organ(s): Nerves. Liver.
HMIS RATING
   HEALTH: 2*
   FLAMMABILITY: 0
   REACTIVITY: 1
NFPA RATING
   HEALTH: 2
   FLAMMABILITY: 0
   REACTIVITY: 1
   *additional chronic hazards present.
For additional information on toxicity, please refer to Section 11.
Section 4 - First Aid Measures
ORAL EXPOSURE
   If swallowed, wash out mouth with water provided person is
   conscious. Call a physician.
INHALATION EXPOSURE
   If inhaled, remove to fresh air. If not breathing give
   artificial respiration. If breathing is difficult, give oxygen.
DERMAL EXPOSURE
   In case of contact, immediately wash skin with soap and copious
   amounts of water.
EYE EXPOSURE
   In case of contact, immediately flush eyes with copious amounts
   of water for at least 15 minutes.
Section 5 - Fire Fighting Measures
FLASH POINT
   N/A
AUTOIGNITION TEMP
FLAMMABILITY
  N/A
EXTINGUISHING MEDIA
   Suitable: Water spray. Carbon dioxide, dry chemical powder, or
   appropriate foam.
FIREFIGHTING
   Protective Equipment: Wear self-contained breathing apparatus
   and protective clothing to prevent contact with skin and eyes.
   Specific Hazard(s): Emits toxic fumes under fire conditions.
Section 6 - Accidental Release Measures
PROCEDURE(S) OF PERSONAL PRECAUTION(S)
   Wear respirator, chemical safety goggles, rubber boots, and
   heavy rubber gloves.
METHODS FOR CLEANING UP
   Sweep up, place in a bag and hold for waste disposal. Avoid
   raising dust. Ventilate area and wash spill site after material
   pickup is complete.
Section 7 - Handling and Storage
HANDLING
   User Exposure: Do not breathe dust. Avoid contact with eyes,
   skin, and clothing. Avoid prolonged or repeated exposure.
STORAGE
   Suitable: Keep tightly closed.
   Store at -20°C
SPECIAL REQUIREMENTS
   Hygroscopic.
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Section 8 - Exposure Controls / PPE
ENGINEERING CONTROLS
   Safety shower and eye bath. Mechanical exhaust required.
PERSONAL PROTECTIVE EQUIPMENT
   Respiratory: Use respirators and components tested and approved
   under appropriate government standards such as NIOSH (US) or CEN
   (EU). Where risk assessment shows air-purifying respirators are
   appropriate use a dust mask type N95 (US) or type P1 (EN 143)
   respirator.
   Hand: Compatible chemical-resistant gloves.
   Eye: Chemical safety goggles.
GENERAL HYGIENE MEASURES
   Wash thoroughly after handling.
Section 9 - Physical/Chemical Properties
Appearance
                        Physical State: Solid
Property
                        Value
                                            At Temperature or Pressure
Molecular Weight
                       342.3 AMU
                       N/A
PH
BP/BP Range
                       N/A
MP/MP Range
                       N/A
Freezing Point
Vapor Pressure
                       N/A
Vapor Density
Saturated Vapor Conc.
                        N/A
SG/Density
                        N/A
Bulk Density
                        N/A
Odor Threshold
                        N/A
                       N/A
Volatile%
VOC Content
                       N/A
Water Content
                       N/A
                      N/A
N/A
Solvent Content
Evaporation Rate
Surface Tension
Viscosity
                       N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Flash Point
                        N/A
Explosion Limits
                     N/A
Flammability
                        N/A
                     N/A
N/A
Autoignition Temp
Refractive Index
                       N/A
Optical Rotation
Miscellaneous Data
So
N/
Se
SI
                                                                      3
SI
HP
HA
Se
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Miscellaneous Data N/A Solubility N/A		
N/A - not available		
Section 10 - Stability and Reactivity		
STABILITY Stable: Stable. Conditions to Avoid: Moistur Materials to Avoid: Strong o		
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HAZARDOUS POLYMERIZATION	lucts: Carbon monoxide, Carbo	on dioxide.
Hazardous Polymerization: Wi		
Section 11 - Toxicological Info	rmation	
Eye Contact: May cause eye i	nful if absorbed through the rritation. irritating to mucous membran y be harmful if inhaled.	
TARGET ORGAN(S) OR SYSTEM(S) Damage to the heart. Nerves. system. G.I. System.	. Liver. Kidneys. Cardiovascu	ılar
toxicological properties hav	the chemical, physical, and the not been thoroughly invest apposure can cause: Nausea, he	igated.

and vomiting. Narcotic effect. Damage to the heart.

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

Non-Hazardous for Air Transport: Non-hazardous for air

Result: This product is or contains a component that is not

classifiable as to its carcinogenicity based on its IARC, ACGIH,

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible

solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local

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DOT
   Proper Shipping Name: None
  Non-Hazardous for Transport: This substance is
   considered to be non-hazardous for transport.
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Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION

CHRONIC EXPOSURE - CARCINOGEN

No data available.

transport.

s: 22-24/25

and eyes.

NTP, or BPA classification.

Section 12 - Ecological Information

Section 13 - Disposal Considerations

environmental regulations.

Section 14 - Transport Information

SIGMA - 17253 www.sigma-aldrich.com Page US CLASSIFICATION AND LABEL TEXT Indication of Danger: Irritant. Risk Statements: Irritating to eyes, respiratory system and skin.

Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS

Safety Statements: Do not breathe dust. Avoid contact with skin

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Section 16 - Other Information
DISCLAIMER
  For R&D use only. Not for drug, household or other uses.
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suitable protective clothing.

UNITED STATES REGULATORY INFORMATION

CANADA REGULATORY INFORMATION

SARA LISTED: No

DSL: No NDSL: No

US Statements: Target organ(s): Nerves. Liver.

contains all the information required by the CPR.

The above information is believed to be correct but does not

purport to be all inclusive and shall be used only as a guide. The

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