



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE: Erythritol – Non-GMO Granules
SUPPLIER NAME: Jedwards International, Inc.
SUPPLIER ADDRESS: 141 Campanelli Drive
Braintree, MA 02184 USA
TELEPHONE NUMBER: (617)472-9300

02. HAZARD IDENTIFICATION

LABEL ELEMENTS: None required
HAZARDS NOT OTHERWISE CLASSIFIED: None identified

03. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT: 1,2,3,4-Butanetetrol, (R,)-
CAS NUMBER: 149-32-6
WEIGHT: 99%

04. FIRST AID MEASURES

EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
SKIN CONTACT: Wash off immediately with soap and plenty of water while removing all contaminated clothing and shoes.
INHALATION: Remove from exposure, lie down. Move to fresh air.
INGESTION: Do not induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If possible, drink milk afterwards.
MOST IMPORTANT SYMPTOMS/EFFECTS: No information available
NOTES TO PHYSICIAN: Treat symptomatically

05. FIRE FIGHTING MEASURES

UNSUITABLE EXTINGUISHING MEDIA: No information available
FLASH POINT: No information available
METHOD: No information available
AUTOIGNITION TEMPERATURE: No information available
EXPLOSION LIMITS:
UPPER: No data available
LOWER: No data available



SENSITIVITY TO MECHANICAL IMPACT:	No information available
SENSITIVITY TO STATIC DISCHARGE:	No information available
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	Keep product and empty container away from heat and sources of ignition.
HAZARDOUS COMBUSTION PRODUCTS:	Thermal decomposition can lead to release of irritating gases and vapors: Carbon monoxide (CO), Carbon dioxide (CO ₂)
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. Thermal decomposition can lead to release of irritating gases and vapors.
NFPA:	
HEALTH:	0
FLAMMABILITY:	0
INSTABILITY:	0
PHYSICAL HAZARDS:	N/A

06. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Ensure adequate ventilation. Use personal protective equipment.
ENVIRONMENTAL PRECAUTIONS:	See Section 12 for additional ecological information.
METHODS FOR CONTAINMENT AND CLEANING UP:	Sweep up or vacuum up spillage and collect in suitable container for disposal.

07. HANDLING & STORAGE

HANDLING:	Avoid contact with skin and eyes. Avoid contact with clothing. Remove and wash contaminated clothing before re-use. Avoid breathing vapors or mists. Wash thoroughly after handling.
STORAGE:	Keep in a dry, cool and well-ventilated place. Keep container tightly closed.

08. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
ENGINEERING MEASURES:	Ensure adequate ventilation, especially in confined areas. Ventilation systems.
PERSONAL PROTECTIVE EQUIPMENT:	



EYE/FACE PROTECTION:

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 of European Standard EN166.

SKIN AND BODY PROTECTION:

Wear appropriate protective gloves and clothing to prevent skin exposure.

RESPIRATORY PROTECTION:

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

HYGIENE MEASURES:

Handle in accordance with good industrial hygiene and safety practices.

09. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE:

Powder solid

APPEARANCE:

Off-white

ODOR:

Odorless

ODOR THRESHOLD:

No information available

pH:

No information available

MELTING POINT/RANGE:

119-123°C (246.2-249.8°F)

BOILING POINT/RANGE:

329-331°C (624.2-627.8°F @ 760 mmHg)

FLASH POINT:

No information available

EVAPORATION RATE:

No information available

FLAMMABILITY (SOLID,GAS):

No information available

FLAMMABILITY OR EXPLOSIVE LIMITS:

UPPER:

No data available

LOWER:

No data available

VAPOR PRESSURE:

No information available

VAPOR DENSITY:

No information available

RELATIVE DENSITY:

No information available

SOLUBILITY:

No information available

PARTITION COEFFICIENT; N-OCTANOL/WATER:

No data available

AUTOIGNITION TEMPERATURE:

No information available

DECOMPOSITION TEMPERATURE:

No information available

VISCOSITY:

No information available

MOLECULAR FORMULA:

C₄H₁₀O₄

MOLECULAR WEIGHT:

122.12

10. STABILITY AND REACTIVITY

REACTIVE HAZARDS:

None known, based on information available

STABILITY:

Stable under normal conditions

CONDITIONS TO AVOID:

Incompatible products

INCOMPATIBLE MATERIALS:

Oxidizing agents, strong oxidizing agents, strong bases



HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition can lead to release of irritating gases and vapors, Carbon monoxide (CO), Carbon dioxide (CO₂)

HAZARDOUS POLYMERIZATION:

No information available

HAZARDOUS REACTIONS:

None under normal processing

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

PRODUCT INFORMATION:

No acute toxicity information is available for this product.

TOXICOLOGICALLY SYNERGISTIC:

No information available

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE:

IRRITATION:

No information available

SENSITIZATION:

No information available

CARCINOGENICITY:

The table below indicates whether each agency has listed and ingredient as a carcinogen.

Component	CAS-No	IARC	NTP	ACGIH	OSHA	Mexico
1,2,3,4-Butanetetrol, (R)-	149-32-6	Not listed	Not listed	Not listed	Not listed	Not listed

MUTAGENIC EFFECTS:

No information available

REPRODUCTIVE EFFECTS:

No information available

DEVELOPMENTAL EFFECTS:

No information available

TERATOGENICITY:

No information available

STOT – SINGLE EXPOSURE:

None known

STOT – REPEATED EXPOSURE:

None known

ASPIRATION HAZARD:

No information available

SYMPTOMS/EFFECTS, BOTH ACUTE AND DELAYED:

No information available

ENDOCRINE DISRUPTOR INFORMATION:

No information available

OTHER ADVERSE EFFECTS:

The toxicological properties have not been fully investigated.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Do not empty into drains

PERSISTENCE AND DEGRADABILITY:

No information available

BIOACCUMULATION/ACCUMULATION:

No information available

MOBILITY:

No information available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS:

Chemical waste generators must determine whether a discarded chemical is classified as



a hazardous waste. Chemical waste generators must also consult local, regional and national hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT: Not regulated
 TDG: Not regulated
 IATA: Not regulated
 IMDG/IMO: Not regulated

15. REGULATORY INFORMATION

INTERNATIONAL INVENTORIES:

Component	TSCA	DSL	NDSL	EINECS	ELINCS	NLP	PICCS	ENCS	AICS	IECSC	KECL
1,2,3,4-Butanetetrol, (R _v)-	X	X	-	205-737-3	-		X	X	X	X	X

LEGEND: X = Listed

US FEDERAL REGULATIONS:

TSCA 12(b): Not applicable
 SARA 313: Not applicable

SARA 211/213 HAZARDOUS CATEGORIZATION:

ACUTE HEALTH HAZARD: No
 CHRONIC HEALTH HAZARD: No
 FIRE HAZARD: No
 SUDDEN RELEASE OF PRESSURE HAZARD: No
 REACTIVE HAZARD: No

CLEAN WATER ACT: Not applicable

CLEAR AIR ACT: Not applicable

OSHA: Not applicable

CERCLA: Not applicable

STATE RIGHT-TO-KNOW: Not applicable

US DEPARTMENT OF TRANSPORTATION:

REPORTABLE QUANTITY (RQ): N
 DOT MARINE POLLUTANT: N
 DOY SEVERE MARINE POLLUTANT: N

US DEPARTMENT OF HOMELAND SECURITY: This product does not contain any DHS chemicals.

OTHER INTERNATIONAL REGULATIONS:

MEXICO – GRADE: No information available
 CANADA: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and



the SDS contains all the information required
by the CPR.
Non-controlled

WHMIS HAZARD CLASS:

16. OTHER INFORMATION

None available

The information provided above is intended only as a guide to the appropriate precautionary handling of the material by properly trained personnel using this product. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Although Jedwards International, Inc. believes the above information to be accurate based on the information available to Jedwards, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use to verify that the product purchased from Jedwards meets their quality requirements and is appropriate for the use to which the product is to be put. Use and purchase of this material is subject to Jedwards International, Inc. standard terms and conditions, which supersede any conflicting terms contained on Buyer's purchase order or any document or instrument supplied by Buyer.