



SAFETY DATA SHEET

01. IDENTIFICATION

NAME OF PREPARATION OR SUBSTANCE:	Allulose
TRADE NAME/SYNONYMS:	D-Psicose, D-Ribo-2-hexulose
SUPPLIER NAME:	Jedwards International, Inc.
SUPPLIER ADDRESS:	141 Campanelli Drive Braintree, MA 02184 USA
TELEPHONE NUMBER:	(617)472-9300
RECOMMENDED USE:	For manufacturing and repackaging use only
EMERGENCY TELEPHONE NUMBER:	Chemtrec 1-800-424-9300 (24 hrs)

02. HAZARD IDENTIFICATION

CLASSIFICATIONS IN ACCORDANCE TO THE GHS
CLASSIFICATION REQUIREMENTS UNDER 29
CFR 1910.1200:

No classification is assigned, based on classification criteria. Review the entire data sheet for any additional information which did not result in a GHS classification. Also, not a hazardous substance according to regulation generally recognized as safe (GRAS) by the FDA [GRAS Notice No. GRN 000400_06.18.2012]

GHS LABEL ELEMENTS:

SYMBOL(S):	None needed according to classification criteria
SIGNAL WORD:	None needed according to classification criteria
HAZARD STATEMENT(S):	None needed according to classification criteria
PRECAUTIONARY STATEMENT(S):	
PREVENTION:	None needed according to classification criteria
RESPONSE:	None needed according to classification criteria
STORAGE:	None needed according to classification criteria
DISPOSAL:	Dispose in accordance with all applicable regulation

03. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME:	D-ribo-2-hexulose
COMMON NAME/ SYNONYMS:	D-Pricose, D-Allulose
CAS NUMBER:	551-68-8
COMPOSITION:	Allulose (>98.5% DS) and other sugar (<1.5% DS)
PHYSICAL STATE:	White Crystal (Powder)
ODOR:	Characteristic
EXPOSURE LIMITS:	Not found

04. FIRST AID MEASURES

DERMAL EXPOSURE:	In case of contact, wash skin with soap and plenty of water
EYE EXPOSURE:	In case of contact, immediately flush eyes with copious amounts of water. Assure adequate flushing by the eyelids with fingers



INHALATION:	If adverse effects occur, remove to uncontaminated area. Get medical attention, if needed
INGESTION:	If a large amount is swallowed, get medical attention. Never give anything by mouth to an unconscious person. Rinse mouth with water
MOST IMPORTANT SYMPTOMS AND EFFECTS:	Both acute and delayed
INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:	n/a
05. FIRE FIGHTING MEASURES	
SUITABLE EXTINGUISHING METHODS:	Use water spray, alcohol resistant foam, dry chemical or carbon dioxide
SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:	Carbon oxides
ADVICE FOR FIREFIGHTERS:	Wear self contained breathing apparatus for fire fighting if necessary
FLASH POINT:	n/a
AUTO-IGNITION TEMP:	n/a
FLAMMABILITY:	n/a
06. ACCIDENTAL RELEASE MEASURES	
PROCEDURES OF PERSONAL PRECAUTIONS:	Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves
METHODS AND MATERIALS FOR CONTAINMENT AND 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
07. HANDLING & STORAGE	
HANDLING PRECAUTIONS:	Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
STORAGE PRECAUTIONS:	Store in cool and dry place. Keep container closed when not in use
08. EXPOSURE CONTROLS/PERSONAL PROTECTION	
CONTROL PARAMETERS:	Components with workplace control parameters
APPROPRIATE ENGINEERING CONTROLS:	General industrial hygiene practice
PERSONAL PROTECTIVE EQUIPMENT:	
EYE/FACE PROTECTION:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
SKIN PROTECTION:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the



BODY PROTECTION:

specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it
Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

RESPIRATORY PROTECTION:

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

09. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE:

White Crystal (Powder)

COLOR:

White

ODOR:

Characteristic

ODOR THRESHOLD:

None

pH:

3.0-7.0

MELTING POINT/FREEZING POINT:

109°C / n/a

INITIAL BOILING POINT AND BOILING RANGE:

n/a

FLASH POINT:

n/a

EVAPORATION RATE:

n/a

FLAMMABILITY:

n/a

UPPER/ LOWER FLAMMABILITY OR

EXPLOSIVE LIMITS:

n/a

VAPOR PRESSURE:

n/a

VAPOR DENSITY:

n/a

RELATIVE DENSITY:

n/a

SOLUBILITY:

n/a

PARTITION COEFFICIENT:

n/a

AUTO-IGNITION TEMPERATURE:

n/a

DECOMPOSITION TEMPERATURE:

n/a

VISCOSITY:

n/a

10. STABILITY & REACTIVITY

REACTIVITY:

No reactivity hazard is expected

CHEMICAL STABILITY:

Stable under normal temperatures and pressures

CONDITIONS TO AVOID:

Incompatible materials, dust generation, excess heat, strong oxidants

INCOMPATIBILITIES WITH OTHER

MATERIALS:

Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide

HAZARDOUS POLYMERIZATION:

Has not been reported

11. TOXICOLOGICAL INFORMATION

ACUTE TOXIXTY (LD50/LC50):

LD₅₀ = (15.9-16.3 g/kg) "relatively harmless" category (the lowest toxicity rating)



INHALATION:	Can be harmful if inhaled, may cause respiratory tract irritation
INGESTION:	Mostly not harmful if swallowed
SKIN EXPOSURE:	Can be harmful if absorbed through skin, may cause skin irritation
EYE EXPOSURE:	May cause eye irritation
SKIN CORROSION/ IRRITATION:	n/a
SERIOUS EYE DAMAGE/ EYE IRRITATION:	n/a
RESPIRATORY OR SKIN SENSITIZATION:	n/a
GERM CELL MUTAGENICITY:	n/a
REPRODUCTIVE TOXICITY:	n/a
SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:	n/a
SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:	n/a
CARCINOGENICITY:	Not listed by ACGIH, IARC, or NTP.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:	No data available. Avoid release to the environment
PERSISTENCE AND DEGRADABILITY:	This material is expected to biodegrade
BIOACCUMULATIVE POTENTIAL:	No data available
MOBILITY IN SOIL:	No data available
OTHER ADVERSE EFFECTS:	No data available

13. DISPOSAL CONSIDERATIONS

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:	There is no uniform world-wide regulation for the disposal of chemicals. 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 environmental regulations
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14. TRANSPORT INFORMATION

UN NUMBER:	ADR/RID:- IMDG:- IATA:-
UN PROPER SHIPPING NAME: ADR/RID: IMDG: IATA:	Not dangerous goods Not dangerous goods Not dangerous goods
TRANSPORT HAZARD CLASS(ES):	ADR/RID:- IMDG:- IATA:-
PACKAGING GROUP:	ADR/RID:- IMDG:- IATA:-
ENVIRONMENTAL HAZARDS:	ADR/RID: no IMDG: Marine Pollutant



BULKNATURALOILS.COM
JEDWARDS
INTERNATIONAL, INC.

SPECIAL PRECAUTIONS FOR USERS:

IATA: no
n/a

15. REGULATORY INFORMATION

No Information available

16. OTHER INFORMATION

This product is not considered hazardous.

Revised on 1/7/2022

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.