



MATERIAL SAFETY DATA SHEET *

SECTION 1 – PRODUCT IDENTITY AND COMPANY INFORMATION

Product Name **Arbutin**
Company **McKinley Resources, Inc.**
Address **P.O. Box 810472**
 Dallas, Texas 75381

Tel. **972. 620. 9730**
Fax: **Fax: 972. 421. 1860**

SECTION 2 – INFORMATION ON INGREDIENT

COMMERCIAL NAME(s) Not available.
SYNONYMS 4-Hydroxyphenyl-β-D-Glucopyranoside
CAS NUMBER 497-76-7
FORMULA C₁₂H₁₆O₇

SECTION 3 – HAZARDS IDENTIFICATION

HMIS RATING
HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

NFPA RATING
HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0

SECTION 4 – TOXICOLOGICAL INFORMATION

Routes of Exposure:

Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 5 – FIRST AID MEASURES

<u>Eye Contact</u>	In case of contact with eyes, flush with copious amounts of water for at least 15minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.
<u>Skin Contact</u>	In case of contact, immediately wash skin with soap and copious amounts of water.
<u>Inhalation</u>	If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
<u>Ingestion</u>	If swallowed, wash out mouth with water provided person is conscious. Call a physician.

SECTION 6 – FIRE AND EXPLOSION DATA

<u>Flammability of the product</u>	Not available.
<u>Auto-Ignition temperature</u>	Not available.
<u>Flash Points</u>	Not available.
<u>Flammable Limits</u>	Not available.
<u>Extinguishing Media</u>	Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
<u>Firefighting</u>	Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 7 – ACCIDENTAL RELEASE MEASURES

<u>Procedure(s) of Personal Precaution(s)</u>	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
<u>Methods for Cleaning up</u>	Place in appropriate container. Wash spilled site with soap solution. Flush spill area with copious amounts of water.

SECTION 8 – HANDLING AND STORAGE

<u>Handling</u>	User Exposure: Avoid inhalation Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
<u>Storage</u>	Suitable: Keep tightly closed.

SECTION 9 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

<u>Engineering Controls:</u>	Safety shower and eye bath. Mechanical exhaust required
<u>Personal Protective Equipment</u>	Eye: Chemical safety goggles.
<u>General Hygiene Measures</u>	Wash thoroughly after handling.

SECTION 10 – TRANSPORT INFORMATION

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

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

IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR ADOPTION OF NECESSARY SAFETY PRECAUTIONS.

MCKINLEY SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.