



MATERIAL SAFETY DATA SHEET

Health Hazard	1
Fire Hazard	2
Reactivity	0

HMIS Hazard Index
 0 - Minimal
 1 - Slight
 2 - Moderate
 3 - Serious
 4 - Severe

Preparation Date 21-April-2011

Last Revision Date 04/01/2011

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Bigaradier Heart Natural
Chemical Name: Oils, orange, sour
CAS-No: 68916-04-1
FEMA Number: 2855
FDA Number: 182.20
Harmonized Tariff Code Imports: 3301.12.0000
Harmonized Tariff Code Exports: 3301.12.0000
Supplier: Robertet, Inc.
 125 Bauer Drive
 Oakland, NJ 07436 USA
 TEL: 201-337-7100
 E-mail: reginc@robertetusa.com

Emergency Telephone Number: Chemtrec 1-800-424-9300 (24 hrs)
 Outside of the USA (703) 527-3887. Collect calls accepted

2. HAZARDS IDENTIFICATION

CAUTION

May cause skin irritation

Appearance: Colorless to pale yellow liquid

Physical State: Liquid

Odor: Characteristic

OSHA Regulatory Status: One or more of the components present in greater than 1% concentration, may present the following health effects. Based on evaluation by the individual components

Potential Health Effects

Interactions with Other Chemicals: Not available

Aggravated Medical Conditions: Not available.

Potential Environmental Effects: There is no known ecological information for this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product consists of a single ingredient.

4. FIRST AID MEASURES

General Advice	Immediate medical attention is not required
Eye Contact	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
Inhalation	Move to fresh air in case of accidental inhalation of vapors. If breathing is difficult, give oxygen
Ingestion	Drink 1 or 2 glasses of water
Notes to Physician	Treat symptomatically
Protection of First-aiders	Use personal protective equipment

5. FIRE-FIGHTING MEASURES

Flammable Properties	Fire or intense heat may cause violent rupture of packages
Suitable Extinguishing Media	Use: Dry chemical. Carbon dioxide (CO ₂). Water spray. alcohol-resistant foam.
Unsuitable Extinguishing Media	Not available
Hazardous Combustion Products	Not available
Explosion Data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

Specific Hazards Arising from the Chemical

Keep product and empty container away from heat and sources of ignition. Risk of ignition.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. Use personal protective equipment.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
Methods for Containment	In the quantities which this material is normally shipped or stored, spills or leaks pose no problem. Contain and recover them with absorbants. Place soaked absorbant in covered metal receptacles.
Other Information	Not applicable

7. HANDLING AND STORAGE

Handling	Wear personal protective equipment. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice .
Storage Conditions	Store in cool temperature (less than 18 degrees celsius), protected from air and light for 12 months in its original hermetically sealed container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls	Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment	
Eye/face Protection	Tightly fitting safety goggles.
Skin Protection	Wear protective gloves/clothing.
Respiratory Protection	No special precautions are necessary other than following good manufacturing practices.
General Hygiene Considerations	
When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.	

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless to pale yellow liquid
Odor:	Characteristic
Physical State:	Liquid
Flash Point:	80°C / 176°F
Method:	Closed cup
Specific Gravity @ 20/20 °C:	0.8820-0.9020
Specific Gravity @ 25/25 °C:	0.8788-0.8988
Refractive Index @ 20°C:	1.4500-1.4630
Refractive Index @ 25°C:	1.4480-1.4610
Vapor Pressure (mm Hg @ 20°C):	0.1

10. STABILITY AND REACTIVITY

Presents no significant hazard. Not pyrophoric nor reactive with water. Does not undergo explosive decomposition, is shock stable, and is not an oxygen donor. Does not form explosive mixtures with other organic materials. Will not undergo hazardous exothermic polymerization.

Chemical Stability	Stable under normal conditions. Hazardous polymerisation does not occur.
Conditions to Avoid	Heating in air.
Materials to avoid	Strong oxidizing agents
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

None available

12. ECOLOGICAL INFORMATION

None available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.
Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA/ICAO

UN-No	3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Linalyl Acetate)
Hazard Class	9
Packing Group	III

IMDG/IMO

UN-No	3082
Proper Shipping Name	Environmentally hazardous substance, liquid, n.o.s. (Linalyl Acetate)
Hazard Class	9
Packing Group	III

15. REGULATORY INFORMATION

USA

Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

16. OTHER INFORMATION

The opinions expressed herein are those of qualified experts within Robertet. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and the conditions of use of this product are not within the control of Robertet, it is the user's obligation to determine conditions of safe use of the product.

End of MSDS