

Royal Jelly Extract

1. Identification

CAS No.	56-81-5, 8031-67-2, Mixture
Chemical Name	Mixture
Health	Slightly hazardous.
Flammability	Will ignite if overheated.
Reactivity	Stable and not reactive with water.

2. Fire, Explosion & Reactivity

Flash Point	198.9 C
Extinguishing Media	FOG-No CO2-Yes FOAM-Yes DRY-Yes
Dot Classification	
Stability	STABLE
NFPA Classification	
Fire Fighting	Water
Unusual Fire Hazard	None Known
Hazardous Combustible Decomposition Products	None Known

3. Physical Data

Color & Odor	Yellow to Orange
Boiling Point	
Melting Point	
Vapor Pressure	
Vapor Density	
Water Solubility	SOLUBLE

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4. Protection Data

Respiratory	Atmospheric levels should be maintained below the exposure guideline. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be effective types of air- purifying respirators: Organic vapor cartridge with a particulate pre-filter.
Ventilation	General room ventilation
Skin	When prolonged or frequently repeated contact could occur, use protective clothing chemically resistant to this material. selection of specific items such as face shield, boots, apron, or full-body suit will depend on the task.
Eye	PROTECTIVE GOGGLES
Other	AN EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

5. Occupational Exposure Limit

Threshold Limit	N/A
OSHA Permissible Limit	N/A
Carcinogen	NOT A CARCINOGEN OR POTENTIAL CARCINOGEN
NTP Limit	NO
IARC Limit	NO
OSHA Limit	NO
Carcinogen Notes	NONE

6. Health Hazards

Material Type	
Health Hazard	LIQUID MAY IRRITATE EYES-LIQUID MAY IRRITATE SKIN-LIQUID MAY CAUSE DERMATITIS
Primary Entry Routes	SKIN AND EYES
Health Hazard Notes	SIGNS AND SYMPTOMS OF EXPOSURE: INHALATION: WILL CAUSE ONLY SLIGHT IRRITATION OF MUCOUS MEMBRANES REGARDLESS OF EXTENT OF EXPOSURE. EYE CONTACT: LIQUID AND MIST MAY IRRITATE THE EYES. SKIN CONTACT: WILL CAUSE ONLY SLIGHT IRRITATION OF THE SKIN REGARDLESS OF EXTENT OF EXPOSURE. SWALLOWED: SWALLOWING LARGE QUANTITIES MAY CAUSE NAUSEA AND VOMITING. CHRONIC EFFECTS OF EXPOSURE: NO SPECIFIC INFORMATION AVAILABLE. MEDICAL

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CONDITIONS GENERALLY AGGROVATED BY EXPOSURE: NONE REPORTED. SKIN CONTACT: WILL CAUSE ONLY SLIGHT IRRITATION OF SKIN REGARDLESS OF EXTENT

7. Emergency First Aid

Inhalation	AT ROOM TEMPERATURE, VAPORS ARE MINIMAL DUE TO PHYSICAL-PROPERTIES. IF HEATED OR SPRAYED AS AN AEROSOL, AIRBORN-MATERIAL MAY CAUSE UPPER RESPIRATORY IRRITATION.
Eye Contact	MAY CAUSE SLIGHT TRANSIENT (TEMPORARY) EYE IRRITATION.- CORNEAL INJURY IS UNLIKELY
Skin Contact	PROLONGED OR REPEATED EXPOSURE NOT LIKELY TO CAUSE SIGNIFICANT-SKIN IRRITATION. A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO-RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN HARMFUL-AMOUNTS. MAY BE ABSORBED IN POTENTIALLY HARMFUL AMOUNTS WHEN- APPLIED IN LARGE QUANTITIES TO SEVERE BURNS (SECOND OR THIRD-DEGREE) OVER LARGE AREAS OF THE BODY AS PART OF A CREAM OR-OTHER TOPICAL APPLICATION. ABSORPTION UNDER SUCH-CIRCUMSTANCES CAN ELEVATE SERUM OSMOLALITY AND MAY RESULT IN-OSOMOTIC SHOCK.
Ingestion	CALL A PHYSICIAN-NON-TOXIC
First Aid Notes	SYSTEMIC Effects: Repeated excessive exposure may cause increased fat levels in blood. Observations in animals include kidney,liver, and gastro intestestinal effects with very large oral doses. CANCER INFORMATION: Did not cause cancer in long term animal studies. TERATOLOGY: Birth defects are unlikely. Exposure having no adwers effects on the mother should have no effect on the fetus. REPRUDUCTIVE EFFECTS: Reproductive effects seen in female animals are believed to be due to altered nutritional status resulting from extremely high doses in their diets. Similar effects have been seen in animals fed synthetic diets.

8. Spill, Leakage & Disposal Procedures

Spill Procedures	ACTION TO TAKE FOR SPILLS OR LEAKS: WEAR PROTECTIVE EQUIPMENT INCLUDING-RUBBER BOOTS, RUBBER GLOVES, RUBBER APRON, AND A SELF-CONTAINED BREATHING- APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED- AIR RESPIRATOR. IF THE-SPILL OR LEAK IS SMALL, A FULL FACEPIECE AIR-PURIFYING CARTRIDGE RESPIRATOR-EQUIPPED
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Waste Disposal	<p>FOR ORGANIC VAPORS MAY BE SATISFACTORY. IN ANY EVENT, ALWAYS WEAR-EYE PROTECTION. FOR A SMALL SPILLS OR DRIPS, MOP OR WIPE UP AND DISPOSE OF-IN DOT-APPROVED WASTE CONTAINERS. FOR LARGE SPILLS, CONTAIN BY DIKING WITH-SOIL OR OTHER NON-COMBUSTIBLE SORBENT MATERIAL AND THEN PUMP INTO DOT---APPROVED WASTE CONTAINERS; OR ABSORB WITH NON-COMBUSTIBLE SORBENT MATERIAL,-PLACE RESIDUE IN DOT APPROVED WASTE CONTAINERS. KEEP OUT OF SEWERS, STORM-DRAINS, SURFACE WATERS, ANS SOILS.-COMPLY WITH ALL APPLICABLE GOVERNMET REGULATIONS ON SPILL REPORTING, AND-HANDLING AND DISPOSAL OF WASTE.</p> <p>DISPOSE OF CONTAMINATED PRODUCT AND MATERIALS USED IN CLEANING UP SPILLS OR-LEAKS IN A MANNER APPROVED FOR THIS MATERIAL. CONSULT APPROPRIATE FEDERAL,-STATE AND LOCAL REGULATORY AGENCIES TO ASCERTAIN PROPER DISPOSAL PROCEDURES.-NOTE:-EMPTY CONTAINERS CAN HAVE RESIDUES, GASES, MISTS AND ARE SUBJECT TO PROPER-WASTE DISPOSAL, AS ABOVE.</p>
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9. Handling & Shipping Procedures

Handling & Shipping Procedures	<p>STORE IN COOL, DRY, WELL-VENTILATED PLACE. STORE AWAY FROM ALL OTHER CHEMICALS POTENTIAL SOURCES OF CONTAMINATION, KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. DO NOT USE PRESSURE TO EMPTY CONTAINER. WASH THOROUGHLY AFTER HANDLING. DO NOT GET IN EYES, ON SKIN, OR ON CLOTHING.</p>
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