

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name:** Rum Extract on Crodamol  
**Robertet Product Code:** 00933852

**CAS No.** 943609-24-3

**Recommended use of the chemical and restrictions on use**

**Recommended use** Aromatic Ingredient (s). For Industrial Use Only.  
**Uses advised against** Do not ingest as such. Avoid eye contact.

**Details of the supplier of the safety data sheet**

Robertet, Inc.  
 400 International Drive  
 Mount Olive, NJ 07828 USA  
 TEL: 201-337-7100  
 E-mail: reginc@robertetusa.com

**Emergency telephone number**  
**Emergency Telephone Number**

Chemtrec 1-800-424-9300 (24 hrs)  
 Outside of the USA and Canada (703) 527-3887. Collect calls accepted

## 2. HAZARDS IDENTIFICATION

**OSHA Hazard Classification**

Flammable liquids	Category 2
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**Label elements**

**Signal Word**  
 Danger

Highly flammable liquid and vapor



**Hazards not otherwise classified (HNOC)**  
 None known

**Other Information**  
 Not applicable

**Interactions with Other Chemicals**  
 Not applicable

**Principle Routes of Exposure**

No information available

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %	GHS Classification
Ethanol	64-17-5	5% - 10%	Eye Irrit. 2A (H319) Flam. Liq. 2 (H225)
Acetic acid, ethyl ester	141-78-6	1.0% - 5.0%	Eye Irrit. 2A (H319) Flam. Liq. 2 (H225) STOT SE 3 (H336)

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move to fresh air.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO2). Foam. Dry powder.

**Unsuitable Extinguishing Media**

Decomposition by contact with water may generate vapours which can be ignited by heat or open flame.

**Specific Hazards Arising from the Chemical**

Thermal decomposition can lead to release of irritating gases and vapors.

**Sensitivity to static discharge** Yes.

**Protective Equipment and Precautions for Firefighters**

Wear self contained breathing apparatus for fire fighting if necessary. In the event of fire and/or explosion do not breathe fumes. Standard procedure for chemical fires.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation.

**Environmental Precautions**

**Environmental Precautions** Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Methods and material for containment and cleaning up**

**Methods for Clean-up** Ground and bond containers when transferring material. Dam up. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Pick up and transfer to properly labelled containers.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Handling** Wear personal protective equipment. Keep away from heat, sparks and open flame. - No smoking. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Remove all sources of ignition. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. To avoid ignition of vapours by static electricity discharge, all metal parts of the equipment must be grounded. Use only in area provided with appropriate exhaust ventilation. Ensure adequate ventilation. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Use only in an area containing flame proof equipment. Remove and wash contaminated clothing before re-use.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

Component	OSHA PEL (TWA)	ACGIH TLV (TWA)	ACGIH TLV (STEL)	California PEL (TWA)
Ethanol 64-17-5	1900 MGM3, 1000 PPM	-	1000 PPM	1900 MGM3, 1000 PPM
Acetic acid, ethyl ester 141-78-6	1400 MGM3, 400 PPM	400 PPM	-	1400 MGM3, 400 PPM

**Appropriate engineering controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

- Eye/face Protection** Tight sealing safety goggles.
- Skin and body protection** No special technical protective measures are necessary.
- Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State:</b>	Liquid
<b>Appearance:</b>	Light brown
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
<b>pH</b>	Not Determined	None known
<b>Melting Point / Melting Range</b>	Not Determined	None known
<b>Boiling Point / Boiling Range (°C)</b>	>35	None known
<b>Flash Point:</b>	21 °C / 70 °F	CC (closed cup)
<b>Evaporation rate</b>	Not Determined	None known
<b>Flammability (solid, gas)</b>	Not Determined	None known

<b>Vapor Pressure (mm Hg @ 20°C):</b>	Not Determined	None known
<b>Vapor Density</b>	Not Determined	None known
<b>Relative density</b>	Not Determined	None known
<b>Specific Gravity @ 20/20 °C:</b>	0.9150-0.9450	RTM-101
<b>Water Solubility:</b>	Not Determined	None known
<b>Solubility in other solvents</b>	Not Determined	None known
<b>Partition coefficient: n-octanol/water</b>	Not Determined	None known
<b>Autoignition Temperature</b>	Not Determined	None known
<b>Decomposition temperature</b>	Not Determined	None known
<b>Decomposition temperature</b>	Not Determined	None known
<b>Viscosity</b>	Not Determined	None known

<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available

### Other information

## 10. STABILITY AND REACTIVITY

### Reactivity

No dangerous reaction known under conditions of normal use. Keep away from oxidizing agents and strongly acid or alkaline materials.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Heating in air.

### Incompatible Materials

Strong oxidizing agents.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known information
<b>Inhalation</b>	No data available.
<b>Eye Contact</b>	No data available.
<b>Skin Contact</b>	No data available.
<b>Ingestion</b>	No data available.

Component	ACGIH	IARC	NTP	OSHA
Ethanol 64-17-5	-	-	Listed	-

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document .

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

None known.

**Persistence/Degradability**

No information available.

**Bioaccumulation/ Accumulation**

No information available.

**Other adverse effects**

No information available

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Method**

It must undergo special treatment, e.g. at suitable disposal site, to comply with local regulations.

**Contaminated Packaging**

Clean container with water. Empty containers should be taken for local recycling, recovery or waste disposal.

## 14. TRANSPORT INFORMATION

**DOT**

<b>UN/ID No</b>	1169
<b>Proper shipping name</b>	Extract, Aromatic, liquid
<b>Hazard Class</b>	3
<b>Packing Group</b>	II

**IMDG/IMO**

UN/ID No	1169
Proper shipping name	Extract, Aromatic, liquid
Hazard Class	3
Packing Group	II
EmS No.	F-E, S-D

**IATA/ICAO**

UN-No	1169
Proper shipping name	Extract, Aromatic, liquid
Hazard Class	3
Packing Group	II

**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

**State Regulations**

**California Proposition 65** This product does not contain any Proposition 65 chemicals

**International Regulations**

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

**WHMIS Hazard Class**

B2 Flammable liquid



**16. OTHER INFORMATION**

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**Robertet Product** 00933852  
**Code:**

**Product Name:** Rum Extract on Crodamol

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**Preparation Date:** 24-May-2017

**End of SDS**