

## Material Safety Data Sheet

Print date: 06/08/2005

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### 1. COMPANY AND PRODUCT IDENTIFICATION

**Product code:** AC-940BLUE

**Product name:** AC-940-BLUE

**Supplier:**

AC Products, Inc.  
172 East La Jolla Street  
Placentia, CA 92870  
714-630-7311  
E-mail: she@quakerchem.com

**Emergency telephone number:**

\* 24 HOUR TRANSPORTATION:  
\*\*CHEMTREC: 1-800-424-9300  
703-527-3887 (Call collect outside of US)  
\* 24 HOUR EMERGENCY HEALTH & SAFETY:  
\*\*QUAKER CHEMICAL CORPORATION: (800) 523-7010(  
Within US only)  
Outside of US call (703) 527-3887

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

#### HAZARDOUS COMPONENTS

Components	Weight %	CAS No.	OSHA Ceiling Limits	OSHA TWA (final):	ACGIH Ceiling Limits	ACGIH Exposure Limits:	Vendor Exposure Limits:
Diocyladipate	1-5	103-23-1		None		None	

### 3. HAZARDS IDENTIFICATION

**Emergency Overview**

Mild eye irritation.  
May cause skin irritation and/or dermatitis.  
May cause irritation of respiratory tract.  
May be harmful if swallowed.

**Principle routes of exposure:** Eyes, skin and inhalation.

**Signal word:** CAUTION

**Eye contact:** May cause slight irritation.

**Skin contact:** Prolonged and/or repeated contact may cause irritation and redness.

**Inhalation:** Avoid breathing vapors or mists. May cause irritation of the mucous membranes.

**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

**Physico-chemical properties:** No hazards resulting from material as supplied.

## 4. FIRST AID MEASURES

<b>General advice:</b>	If symptoms persist, call a physician.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin contact:</b>	Rinse immediately with plenty of water for at least 15 minutes
<b>Ingestion:</b>	If swallowed, seek medical advice immediately and show this container or label. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Move to fresh air in case of accidental inhalation of vapors. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
<b>Notes to physician:</b>	Treat symptomatically.
<b>Medical condition aggravated by exposure:</b>	Dermatitis.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point (°C):</b> Not applicable	<b>Flash point (°F):</b> Not applicable	<b>Flash Point Method:</b> Not applicable
<b>Flammable limits in air - upper (%):</b> Not determined	<b>Flammable limits in air - lower (%):</b> Not determined	
<b>Suitable extinguishing media:</b>	Use dry chemical, CO2, water spray or `alcohol` foam.	
<b>Unusual hazards:</b>	None known	
<b>Special protective equipment for fire-fighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
<b>Specific methods:</b>	In the event of fire, cool tanks with water spray.	

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions:</b>	Ensure adequate ventilation. Use personal protective equipment.
<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system.
<b>Methods for cleaning up:</b>	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

## 7. HANDLING AND STORAGE

### Handling

<b>Technical measures/precautions:</b>	Provide sufficient air exchange and/or exhaust in work rooms.
<b>Safe handling advice:</b>	In case of insufficient ventilation, wear suitable respiratory equipment.

### Storage

**Technical measures/storage conditions:** Store at room temperature in the original container

**Incompatible products:** No special restrictions on storage with other products

**Safe storage temperature:** 40-100 °F

**Shelf life:** 12 months

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components	ACGIH Ceiling Limits	ACGIH Exposure Limits:	OSHA Ceiling Limits	OSHA TWA (final):	NIOSH - Pocket Guide - TWAs:	Vendor Exposure Limits:
Diocyladipate		None		None	None	None

**Engineering measures:** Ensure adequate ventilation.

### Personal Protective Equipment

**General:** Eye Wash and Safety Shower

**Respiratory protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, a certified respirator that will protect against organic vapor must be worn.

**Hand protection:** Neoprene gloves

**Skin and body protection:** Usual safety precautions while handling the product will provide adequate protection against this potential effect.

**Eye protection:** Safety glasses with side-shields.

**Hygiene measures:** Avoid contact with skin, eyes and clothing.



## 9. PHYSICAL AND CHEMICAL PROPERTIES:

**Physical state:** Liquid

**Color:** Blue

**Vapour pressure:** Not determined

**Vapour density:** Not determined

**VOC Content Product:** 9 g/L

**VOC Content Coating (g/L):** 24

**Solubility:** Soluble

**Evaporation rate:** Not determined

**pH:** Not determined

**Flash point (°C):** Not applicable

**Decomposition temperature:** Not determined

**Auto-ignition temperature:** Not determined

**Density @ 15.5 ° C (g/cc) :** 1.065

**Bulk density @ 60 ° F (lb/gal):** 8.89



**Volatiles (% by volume) :** 65 +/- 2  
**Solids (% by weight):** 39 +/- 2  
**Partition coefficient (n-octanol/water, log Pow):** Not determined  
**Explosive properties:**  
 - upper limit: No data available  
 - lower limit: No data available

## 10. STABILITY AND REACTIVITY

**Conditions to avoid:**

None known

**Materials to avoid:**

Strong acids and oxidising agents

**Hazardous decomposition products:**

None under normal use

**Stability:**

Stable under recommended storage conditions.

**Polymerization:**

Not applicable

## 11. TOXICOLOGICAL INFORMATION

..  
 No toxicological information is available on the product. Data obtained on components are summarized below.

...  
 There is limited evidence from animal studies that associates dioctyladipate with liver cancers.

Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
Dioctyladipate	male rat-negative; female rat-negative; male mice-positive; female mice-positive	This product does not contain any material shown to be a carcinogen by the International Agency for Research on Cancer (IARC).	This product does not contain any material shown to be a carcinogen by OSHA.	15g/kgOral LD50Mouse 9100mg/kgOral LD50Rat

## 12. ECOLOGICAL INFORMATION

**Persistence and degradability:** No information available

**Mobility:** No data available

**Bioaccumulation:** No data available

Ecotoxicity effects: No data available

Aquatic toxicity: Not Determined

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues/unused products:** Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

**Contaminated packaging:** Do not re-use empty containers

**Methods for cleaning up:** Take up mechanically and collect in suitable container for disposal.

### 14. TRANSPORT INFORMATION

**U. S. DEPARTMENT OF TRANSPORTATION:**

Proper shipping name: Not Regulated  
RQ:

**TDG (CANADA):**

Proper shipping name: Not Regulated

**IMDG/IMO:**

Proper shipping name: Not Regulated

**IATA/ICAO:**

Proper shipping name: Not Regulated

### 15. REGULATORY INFORMATION

**CLASSIFICATION AND LABELING**

**OSHA Hazard Communication Standard:** This product is considered to be hazardous under the OSHA Hazard Communication Standard.

**Canada - WHMIS Classification Information:** This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

**Product Classification:** None Required  
**Product Classification Graphic(s):**

**Component Classification Data:**

***Dioctyladipate - 103-23-1***

**WHMIS hazard class:** 0.1 % (English Item 194, French Item 164)  
Uncontrolled product according to WHMIS classification criteria

**Canadian National Pollution  
Inventory Data:**

***Dioctyladipate - 103-23-1***

**Canada - NPRI**

Part 1, Group 1 Substance

**U.S. REGULATIONS:**

**SARA (311, 312) hazard class:** This product possesses the following SARA Hazard Categories:

**Immediate Health (Acute):** Yes  
**Delayed Health (Chronic):** Yes  
**Flammability:** No  
**Pressure:** No  
**Reactivity:** No

**RCRA Status** Not Regulated

**STATE REGULATIONS (RTK):**

**California Proposition 65 Status:** Listed component present: Quartz - 14808-60-7 carcinogen, initial date 10/1/88 (airborne particles of respirable size)

***Dioctyladipate - 103-23-1***

**MARTK:** Present  
**NJRTK:** sn 0237  
**PARTK:** Environmental hazard

**INVENTORY STATUS:**

**United States TSCA - Sect. 8(b) Inventory:** This product complies with TSCA

**Canada DSL Inventory List -** DSL Compliance has not been determined

**EC No.** Compliance has not been determined

**16. OTHER INFORMATION**

**Sources of key data used to compile the data sheet:** Material safety data sheets of the ingredients.

**Reason for revision:** This data sheet contains changes from the previous version in section(s) various

**Prepared by:** Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

**HMIS classification:** **NFPA rating:**

**Health:** **Health:**  
2\* 2

**Flammability:**

0

**Flammability:**

0

**Reactivity:**

0

**Reactivity:**

0

**Personal Protection:**

B

**Special:**

NA

**\* Indicates possible chronic health effect**

Personal protection recommendations should be reviewed by purchasers. Workplace conditions are important factors in specifying adequate protection.

**Disclaimer**

This product's safety information is provided to assist our customers in assessing compliance with safety/health/environmental regulations. The information contained herein is based on data available to us and is believed to be accurate. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or the hazards connected with the use of the product. Since the use of this product is within the exclusive control of the user, it is the user's obligations to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. AC Products assumes no liability for any injury or damage, direct or consequential, resulting from the use of this product unless such injury or damage is attributable to the gross negligence of AC Products.

**End of Safety Data Sheet**

