



## Material Safety Data Sheet

Print date: 02/19/2005

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### 1. COMPANY AND PRODUCT IDENTIFICATION

**Product code:**  
**Product name:**

DISTILLATE  
Distillate from ester manufacturing

**Supplier:**  
Quaker Chemical Corporation  
Quaker Park One  
901 Hector Street  
Conshohocken, PA 19428  
610-832-4000  
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:
Water	90 - 100%	7732-18-5		None		None	
Mixture of unreacted fatty acids and/or polyols such as TMP or NPG	1 - 5%	Proprietary		None		None	
Mixture of aldehydes and other impurities	1 - 5%	Proprietary		None		None	

### 3. HAZARDS IDENTIFICATION

#### Emergency Overview

Irritating to eyes.  
May cause skin irritation and/or dermatitis.  
May cause irritation of respiratory tract.  
Harmful if swallowed.

**Principle routes of exposure:**

Eyes, skin and inhalation.

**Signal word:**

CAUTION

**Eye contact:**

Irritating to eyes. Vapors may be irritating to eyes, nose, throat, and lungs.

**Skin contact:**

May cause skin irritation and/or dermatitis

**Inhalation:**

May cause irritation of respiratory tract.

**Ingestion:**

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

**Physico-chemical properties:**

No hazards resulting from material as supplied.

#### 4. FIRST AID MEASURES

**General advice:**

If symptoms persist, call a physician.

**Eye contact:**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

**Skin contact:**

Rinse immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use.

**Ingestion:**

Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Inhalation:**

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

**Notes to physician:**

Treat symptomatically.

**Medical condition aggravated by exposure:**

Dermatitis.

#### 5. FIRE-FIGHTING MEASURES

Flash point (°C): NA BOILS

Flash point (°F): NA BOILS

Flash Point Method: COC

Flammable limits in air - upper (%): Not determined

Flammable limits in air - lower (%): Not determined

Suitable extinguishing media:

Use dry chemical, CO<sub>2</sub>, water spray or 'alcohol' foam.

Unusual hazards:

None known

Special protective equipment for fire-fighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific methods:

Water mist may be used to cool closed containers.

#### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Ensure adequate ventilation. Use personal protective equipment.

Environmental precautions:

Do not flush into surface water or sanitary sewer system.

Methods for cleaning up:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

#### 7. HANDLING AND STORAGE

#### Handling

**Technical measures/precautions:**

Provide sufficient air exchange and/or exhaust in work rooms.

**Safe handling advice:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**Storage**

**Technical measures/storage conditions:**

Store at room temperature in the original container

**Incompatible products:**

strong oxidizing agents

**Safe storage temperature:**

Unknown F

**Shelf life:**

No data available

**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:
Water		None		None	None	None
Mixture of unreacted fatty acids and/or polyols such as TMP or NPG		None		None	None	None
Mixture of aldehydes and other impurities		None		None	None	None

**Engineering measures:**

Ensure adequate ventilation.

**Personal Protective Equipment**

**General:**

Eye Wash and Safety Shower

**Respiratory protection:**

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

**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  
Clear, to , Yellow

**Color:**

Pungent, Irritating

**Odour:**

Boiling point/boiling range (°C):

> 100

Boiling point/range (°F):

>212

Vapour pressure:

Not determined

<b>Vapour density:</b>	Not determined
<b>Solubility:</b>	Insoluble
<b>Evaporation rate:</b>	Not determined
<b>VOC Content Product:</b>	Not determined
<b>pH:</b>	3.8-4.0
<b>Flash point (°C):</b>	NA BOILS
<b>Flash point (°F):</b>	NA BOILS
<b>Decomposition temperature:</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Density @ 15.5 ° C (g/cc) :</b>	1.0
<b>Bulk density @ 60 ° F (lb/gal):</b>	8.35
<b>Partition coefficient</b>	Not determined
<b>(n-octanol/water, log Pow):</b>	
<b>Explosive properties:</b>	
- upper limit:	No data available
- lower limit:	No data available

## 10. STABILITY AND REACTIVITY

### Conditions to avoid:

None known

### Materials to avoid:

Strong oxidising agents

### Hazardous decomposition products:

None under normal use

### Stability:

Stable under recommended storage conditions.

### Polymerization:

Not applicable

## II. TOXICOLOGICAL INFORMATION

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

Components	NTP:	IARC:	OSHA - Select Carcinogens	NIOSH - Selected LD50s and LC50s
Water	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	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.	
Mixture of unreacted fatty acids and/or polyols such as TMP or NPG	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	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.	
Mixture of aldehydes and other impurities	This product does not contain any material shown to be a carcinogen by the National Toxicology Program (NTP).	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.	

## 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

**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.

**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:**

Not Regulated

**Product Classification**

**Graphic(s):**

**Component Classification  
Data:**

*Water - 7732-18-5*

**WHMIS hazard class:**

Uncontrolled product according to WHMIS classification criteria

**Canadian National Pollution  
Inventory Data:**

**U.S. REGULATIONS:**

**SARA (311, 312) hazard class:**

This product possesses the following SARA Hazard Categories:

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

**RCRA Status**

Not Regulated

**STATE REGULATIONS (RTK):**

**California Proposition 65 Status:**

No components are listed

SDS code: **DISTILLATE**

Product name: **Distillate from ester  
manufacturing**

**INVENTORY STATUS:**

United States TSCA - Sect. 8(b) Inventory:

This product does not comply 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:

New Format

Prepared by:

Quaker Chemical Corporation -Safety, Health and Environmental Affairs Group - US

HMIS classification:

NFPA rating:

Health:  
1\*

Health:  
1

Flammability:  
0

Flammability:  
0

Reactivity:  
0

Reactivity:  
0

Personal Protection:

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 obligation to determine the conditions for safe use of the product. Such conditions should comply with all regulations concerning the product. Quaker Chemical Corporation ("Quaker") 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 Quaker.

**End of Safety Data Sheet**

