

# Material Safety Data Sheet

Issuing Date 10-Apr-2011

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Sortkwik

**Recommended Use** No information available.

**Supplier Address**

Lee Products Company  
800 E 80th St, Bloomington, MN, 55420  
US  
Phone:952-854-3544  
Fax:952-854-7177  
Contact:Faye Roy  
Contact Phone:952-698-1964  
Emergency Phone: 612-281-1262

**Company Emergency Phone Number** 612-281-1262

## 2. HAZARDS IDENTIFICATION

**CAUTION!**

### Emergency Overview

May cause skin and eye irritation

**Appearance** Pink, Translucent

**Physical State** Solid.

**Odor** No information available

**Potential Health Effects**

**Principle Routes of Exposure** Eye contact. Skin contact.

**Acute Toxicity**

**Eyes**

May cause irritation.

**Skin**

May cause irritation.

**Inhalation**

No known effect based on information supplied.

**Ingestion**

No hazard from product as supplied.

**Chronic Effects**

No known effect based on information supplied.

**Aggravated Medical Conditions**

Pre-existing eye disorders. Kidney disorders. Skin disorders. Respiratory disorders.

**Environmental Hazard**

See Section 12 for additional Ecological Information. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propylene Glycol	57-55-6	40-70
Glycerin	56-81-5	15-40
Water	7732-18-5	15-40
Supplier Trade Secret	Proprietary	1 - 5
Stearic acid	57-11-4	1 - 5

Sodium carbonate	497-19-8	1 - 5
Supplier Trade Secret	Proprietary	1 - 5
Myristic acid	544-63-8	0.1 - 1
Heptadecanoic acid	506-12-7	< 0.1
Acid red 52	3520-42-1	< 0.1

#### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Move to fresh air. If symptoms persist, call a physician.
<b>Ingestion</b>	Do NOT induce vomiting. Drink plenty of water. If symptoms persist, call a physician.
<b>Notes to Physician</b>	Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Flash Point</b>	Not determined.
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	No.
<b>Sensitivity to Static Discharge</b>	No.

#### 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.

<b>NFPA</b>	<b>Health Hazard</b> 1	<b>Flammability</b> 1	<b>Stability</b> 0	<b>Physical and Chemical Hazards</b> -
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#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Avoid contact with the skin and the eyes.
<b>Environmental Precautions</b>	Refer to protective measures listed in Sections 7 and 8.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Take up mechanically and collect in suitable container for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Other Exposure Guidelines**                      Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures**                      Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection**  
**Skin and Body Protection**  
**Respiratory Protection**

Tightly fitting safety goggles.  
Protective gloves.  
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**                              Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Pink, Translucent.	<b>Odor</b>	No information available.
<b>Odor Threshold</b>	No information available.	<b>Physical State</b>	Solid
<b>pH</b>	No information available		
<b>Flash Point</b>	No information available.	<b>Autoignition Temperature</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Boiling Point/Range</b>	No information available
<b>Melting Point/Range</b>	No information available		
<b>Flammability Limits in Air</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Water Solubility</b>	Soluble in water.	<b>Solubility</b>	No information available
<b>Evaporation Rate</b>	No information available	<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available	<b>VOC Content (%)</b>	72
<b>Partition Coefficient: n-octanol/water</b>			

## 10. STABILITY AND REACTIVITY

**Stability**    Stable under recommended storage conditions.

**Incompatible Products**                      Strong oxidizing agents.

**Conditions to Avoid**                              None known.

**Hazardous Decomposition Products**                      Carbon oxides.

**Hazardous Polymerization**                      Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

### LC50 Inhalation (DUST) VALUE

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Propylene Glycol	= 20000 mg/kg ( Rat )	= 20800 mg/kg ( Rabbit )	-
Glycerin	= 12600 mg/kg ( Rat )	> 21900 mg/kg ( Rat )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Water	90090 mg/kg (rat)	-	-
Supplier Trade Secret	> 10 g/kg ( Rat )	-	-
Stearic acid	> 5000 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
Sodium carbonate	= 4090 mg/kg ( Rat )	-	-
Supplier Trade Secret	= 53400 µL/kg ( Rat )	-	-
Myristic acid	> 10 g/kg ( Rat )	-	-

### Chronic Toxicity

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** Eyes. Kidney. Respiratory system. Skin.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Propylene Glycol	EC50: 19000 mg/L (96 h ) Pseudokirchneriella subcapitata	LC50: 51600 mg/L (96 h static) Oncorhynchus mykiss LC50: 41 - 47 mL/L (96 h static) Oncorhynchus mykiss LC50: 710 mg/L (96 h ) Pimephales promelas LC50: 51400 mg/L (96 h static) Pimephales promelas		EC50: > 1000 mg/L (48 h Static) Daphnia magna EC50: > 10000 mg/L (24 h ) Daphnia magna
Glycerin		LC50: 51 - 57 mL/L (96 h static) Oncorhynchus mykiss		EC50: > 500 mg/L (24 h ) Daphnia magna
Supplier Trade Secret		LC50: 150 mg/L (96 h ) Oryzias latipes		
Sodium carbonate	EC50: 242 mg/L (120 h ) Nitzschia	LC50: 300 mg/L (96 h static) Lepomis macrochirus LC50: 310 - 1220 mg/L (96 h static) Pimephales promelas		EC50: 265 mg/L (48 h ) Daphnia magna
Myristic acid		LC50: 118 mg/L (96 h static) Oryzias latipes		EC50: > 27 mg/L (16 h ) Artemia salina

Chemical Name	Log Pow
Glycerin	-1.76
Myristic acid	5.9

### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**                      This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging**                      Dispose of in accordance with local regulations.

**California Hazardous Waste Codes**    331

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste - Part 2
Sodium carbonate			Corrosive	

### 14. TRANSPORT INFORMATION

**DOT**    Not regulated

**TDG**    Not regulated

**MEX**    Not regulated

**ICAO**     Not regulated

**IATA**     Not regulated

**IMDG/IMO**                                    Not regulated

**RID**    Not regulated

**ADR**    Not regulated

**ADN**    Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

TSCA	Complies
DSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

### U.S. 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 Hazard Categories**

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

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Propylene Glycol	57-55-6	40-70		Group I		
Glycerin	56-81-5	15-40		Group II		

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Propylene Glycol		X			X
Glycerin	X	X	X		X

### International Regulations

#### **Mexico - Grade**

Slight risk, Grade 1

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Chemical Name	Carcinogen Status	Exposure Limits
Glycerin		Mexico: TWA 10 mg/m <sup>3</sup>

**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**

D2B Toxic materials

**16. OTHER INFORMATION****Issuing Date** 10-Apr-2011**Revision Date****Revision Note** No information available**General Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

**End of Safety Data Sheet**