6. ACCIDENTAL RELEASE MEASURES:

Small Spill: Use proper personal protective equipment. Dike area to contain spill. Pick up spill on absorbent, non-combustible material. Place into a chemical waste container. Don't flush into sewers or natural waterways. Wipe area with water to remove last traces.

7. HANDLING AND STORAGE:

Handling: Do not drink, smoke or eat in handling area. Wear proper eye protection. Follow proper handling procedures.
Storage: Store in cool (60-80°F) ventilated area. Keep separate from strong acids, bases and oxidizers and away from heat, sparks and open flame.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Exposure Guidelines:

OSHA Hazardous Component	Exposure Limits	
	OSHA PEL, ppm	ACGIH TLV, ppm
Liquefied Petroleum Gas	1000	

Respiratory Protection: Not normally needed. In closed environments use NIOSH approved organic vapor air purifying respirator.
Ventilation: Use in well-ventilated area with local exhaust.
Protective Gloves: Standard impervious chemical, etc.
Eye Protection: Glasses, goggles or face shield, etc.
Other Protective Equipment: Eye fountain, safety shower, etc.
Work Hygiene Practices: Do not eat, drink, or smoke when handling industrial materials.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point	100°C	Specific Gravity	1.03 typical
Vapor Pressure	Not determined	pH 100%	9.5-10.5
Vapor Density	Not determined	Appearance	Clear colorless coarse spray
Volatile Organic Compound (VOC):		Odor	Mild
EPA Method 24:	74.3 g/L (plus propellant)	Solubility in water	Complete
Vapor Pressure, VOC Components:	0.09 mmHg @ 20°C		

10. STABILITY AND REACTIVITY:

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong acids, oxidizers
Hazardous Decomposition: Oxides of carbon, ammonia, and nitrogen.
Other: Do not add nitrates due to possible formation of nitrosoamines.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicology: No data is available on product as a whole.
Chronic Toxicology: Not established on product as a whole.
Carcinogenicity: Contains no known or suspected carcinogens.

12. ECOLOGICAL INFORMATION:

Environmental Fate and Effects:
Ecotoxicity: Not established.
Mobility: Not established.
Persistence and Degradability: Not established.
Bioaccumulative Potential: Not established.

13. DISPOSAL INFORMATION:

Disposal of Material:	Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.
Empty Containers:	Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst. Do not reuse empty containers.

14. TRANSPORTATION:

ORM-D

	US DOT: 49CFR172.101
Proper shipping name:	AEROSOL-Consumer Commodity or Petroleum gases, liquified
Hazard class or division:	2.1
Identification No.:	UN1075
Packing Group:	NA
LABEL:	ORM-D
Placard:	ORM-D

15. REGULATORY INFORMATION:

29CFR 1910.1200:	Liquified Petroleum Gas	68476-86-8
States Right to Know:	None	
TSCA Listed:	Yes	
CERCLA:	Not reportable	
SARA 302:	No	
SARA 311/312:	Health Acute	
SARA TITLE III, Section 313:	None	
California Proposition 65	None	

16. OTHER INFORMATION:

NFPA CODES:	HEALTH: 1	FIRE: 1	REACTIVITY: 0	
HMIS CODES:	HEALTH: 1	FIRE: 1	REACTIVITY: 0	PROTECTION:X

The data contained herein is based on information currently available to Kyzen Corporation and is believed to be factual. As a formulator, blender, and compounder, Kyzen Corporation does not manufacture the raw materials used in this product and consequently relies on information provided to Kyzen Corporation from material safety data sheets on the specific raw materials in the construction of this material safety data sheet. Such information is to the best of Kyzen Corporation's knowledge and belief to be accurate and reliable as of the date of this MSDS. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular application. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. This data is not to be taken as a warranty or representation of which Kyzen Corporation assumes legal responsibility.
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MATERIAL SAFETY DATA SHEET

KYZEN® Aerosol Degreaser 11 (Aerosol CAN)

1. COMPANY NAME AND ADDRESS:

www.kyzen.com

Kyzen Corporation
430 Harding Industrial Drive
Nashville, TN 37211
PHONE: 615-831-0888

(24 HOUR) EMERGENCY PHONE:
CHEMTREC
800-424-9300

Effective: November 3, 2003
Supersedes: October 13, 2003

2. INGREDIENTS:

29CFR1910.1200

Hazardous Components	CAS Number	Approximate %
Liquefied Petroleum Gas	68476-86-8	5-15

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION:

EMERGENCY OVERVIEW
Aerosolized liquid. Vapors may be mildly irritating to eyes, skin and mucous membranes.

Eyes:	Contact may cause mild irritation.
Skin:	Prolonged exposure to the skin may cause mild irritation.
Ingestion:	May be harmful if ingested. Repeated ingestion may cause abdominal pain.
Inhalation:	Prolonged exposure is not likely to cause adverse effects.

4. FIRST AID:

Eyes:	Immediately flush eyes with plenty of water for 15 minutes. If irritation develops, get medical attention.
Skin:	Remove contaminated clothing and shoes. Wash affected area with plenty of soap and water. Get medical attention. Wash contaminated items before reuse.
Ingestion:	If conscious, give person 1 to 2 glasses of water. Get medical help.
Inhalation:	Remove victim from area of exposure. If unconscious, give oxygen. Give artificial respiration if not breathing. Get medical help.

5. FIRE AND EXPLOSION HAZARD DATA:

Flammability pet Flame Projection Test:	Non-flammable.
Extinguisher Media:	Standard methods including dry chemical, carbon dioxide, foam and water fog.
Special Fire Fighting Procedures:	Water should be used to keep fire-exposed containers cool. Prevent runoff from fire control from entering streams, sewers or drinking water supply. This liquid is volatile and gives off invisible vapors. The liquid or vapor may settle in low area or travel some distance along the ground or surface to ignition sources, where they may ignite or explode.
Combustion Products:	Oxides of carbon, ammonia, and nitrogen.
Other:	Do not add nitrates due to possible formation of nitrosoamines.

6. ACCIDENTAL RELEASE MEASURES:

Small Spill: Use proper personal protective equipment. Dike area to contain spill. Pick up spill on absorbent, non-combustible material. Place into a chemical waste container. Don't flush into sewers or natural waterways. Wipe area with water to remove last traces.

7. HANDLING AND STORAGE:

Handling: Do not drink, smoke or eat in handling area. Do not puncture or incinerate container. Wear proper eye protection. Follow proper handling procedures.

Storage: Store in cool (60-80°F) ventilated area. Keep separate from strong acids, bases and oxidizers and away from heat, sparks and open flame.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Exposure Guidelines:

OSHA Hazardous Component	Exposure Limits	
	OSHA PEL, ppm	ACGIH TLV, mg/m3
Liquefied Petroleum Gas	1000	

Respiratory Protection: Not normally needed. In closed environments use NIOSH approved organic vapor air purifying respirator.
Ventilation: Use in well-ventilated area with local exhaust.
Protective Gloves: Standard impervious chemical, etc.
Eye Protection: Glasses, goggles or face shield, etc.
Other Protective Equipment: Eye fountain, safety shower.
Work Hygiene Practices: Do not eat, drink, or smoke when handling industrial materials.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Boiling Point	100°C	Specific Gravity	1.03 typical
Vapor Pressure	Not determined	pH 100%	10.5-11.5
Vapor Density	Not determined	Appearance	Clear colorless liquid
Volatile Organic Compound (VOC):		Odor	Mild
EPA Method 24:	16.7 g/L (plus propellant)	Solubility in Water	Complete
Vapor Pressure, VOC Components:	<0.01 mmHg @ 20°C		

10. STABILITY AND REACTIVITY:

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong acids, oxidizers
Hazardous Decomposition: Oxides of carbon, ammonia, and nitrogen.
Other: Do not add nitrates due to possible formation of nitrosoamines.

11. TOXICOLOGICAL INFORMATION:

Acute Toxicology: No data is available on product as a whole.
Chronic Toxicology: Not established on product as a whole.
Carcinogenicity: Contains no known or suspected carcinogens.

12. ECOLOGICAL INFORMATION:

Environmental Fate and Effects:
Ecotoxicity: Not established.
Mobility: Not established.
Persistence and Degradability: Not established.
Bioaccumulative Potential: Not established.

13. DISPOSAL INFORMATION:

Disposal of Material:	Conditions of use may cause this material to become a hazardous waste as defined by state or federal law. Use approved treatment, transporters and disposal sites. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3.
Empty Containers:	Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause bursting. Do not reuse empty containers. Dispose of according to local regulations.

14. TRANSPORTATION:

ORM-D

	US DOT: 49CFR172.101
Proper shipping name:	AEROSOL – Consumer Commodity or Petroleum gases, liquefied
Hazard class or division:	2.1
Identification No.:	UN1075
Packing Group:	NA
LABEL:	ORM-D
Placard:	ORM-D

15. REGULATORY INFORMATION:

29CFR 1910.1200:	Liquefied Petroleum Gas	68476-86-8
TSCA Listed:	Yes	
CERCLA:	Not reportable	
SARA TITLE III, Section 313:	None	
California Proposition 65	None	

16. OTHER INFORMATION:

NFPA CODES:	HEALTH: 1	FIRE: 1	REACTIVITY: 0	
HMIS CODES:	HEALTH: 1	FIRE: 1	REACTIVITY: 0	PROTECTION:X

The data contained herein is based on information currently available to Kyzen Corporation and is believed to be factual. As a formulator, blender, and compounder, Kyzen Corporation does not manufacture the raw materials used in this product and correspondingly relies on information provided to Kyzen Corporation from material safety data sheets on the specific raw materials in the construction of this material safety data sheet. Such information is to the best of Kyzen Corporation's knowledge and belief to be accurate and reliable as of the date of this MSDS. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO THE ACCURACY, RELIABILITY, OR COMPLETENESS. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular application. This information is not intended to be all-inclusive as to the manner and conditions of use, handling and storage. Other factors may involve other or additional safety or performance considerations. This data is not to be taken as a warranty or representation of which Kyzen Corporation assumes legal responsibility.
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SOY

1500

SOLVENT

MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE: 913-599-6911

CHEMTREC: 800-424-9300

SECTION I - IDENTIFICATION

PRODUCT: SoyClear® 1500
CAS NO: 67784-80-9
CHEMICAL: Fatty acid methyl esters
SYNONYMS: Methyl esters of soybean oil

SECTION II - INGREDIENTS AND HAZARD CLASSIFICATION

TYPICAL COMPOSITION	CAS	%
Alkyl C_{16}-C_{18} - Methyl Esters	67784-80-9	100

This product contains no hazardous material.

SARA HAZARD: TITLE III SECTION 313: Not listed FIRE (Section 311/312): None noted

SECTION III - HEALTH INFORMATION

EFFECTS OF OVEREXPOSURE

INHALATION: No known problems
INGESTION: LD_{50}:>50ml/kg (albino rats) (similar products)
EYE CONTACT: Not classified as eye irritants
SKIN CONTACT: Not classified as a skin irritant or corrosive material

SECTION IV - OCCUPATIONAL EXPOSURE LIMITS

PEL: NO OSHA PEL TLV: NO ACGIH TLV

SECTION V - EMERGENCY FIRST AID PROCEDURE

FOLLOW STANDARD FIRST AID PROCEDURES

SWALLOWING: Call physician or poison control center.
SKIN CONTACT: Wash affected area with soap and water.
EYE CONTACT: Flush eyes with cool water for at least 15 minutes. Do not let victim rub eyes.
INHALATION: Immediately remove victim to fresh air. Get medical attention immediately.

SECTION VI - PHYSICAL DATA

BOILING POINT: Over 600° F (315° C) at 760 mm Hg pressure
VAPOR PRESSURE: 0.8 mm Hg at 68° F
SPECIFIC GRAVITY: 0.876 at 25° C
SOLUBILITY IN WATER: Negligible at room temperature
APPEARANCE AND COLOR: Water white to yellowish liquid
ODOR: Light vegetable oil odor

SECTION VII - FIRE AND EXPLOSION HAZARDS

FLASH POINT & METHOD USED: >300° F (PMCC)
FLAMMABLE LIMITS: Not applicable
NFPA RATING: No NFPA rating
HMIS RATING: HEALTH: 0 FIRE: 1 REACTIVITY 0

SPECIAL FIRE FIGHTING PROCEDURES & PRECAUTIONS

Treat as oil fire. Use water spray, dry chemical, foam or carbon dioxide.

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UNUSUAL FIRE & EXPLOSION HAZARDS

Rags soaked with any solvent present a fire hazard and should always be stored in UL listed or Factory Mutual approved, covered containers. Improperly stored rags can create conditions that lead to oxidation. Oxidation, under certain conditions can lead to spontaneous combustion.

SECTION VIII - REACTIVITY

STABILITY:	Stable
HAZARDOUS POLYMERIZATION:	None likely
MATERIALS TO AVOID:	Strong oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCTS:	CO_2, CO
CONDITIONS TO AVOID:	None known

SECTION IX - EMPLOYEE PROTECTION

CONTROL MEASURES:	Adequate ventilation
RESPIRATORY PROTECTION:	None required
PROTECTIVE CLOTHING:	No need anticipated
EYE PROTECTION:	None required

SECTION X - ENVIRONMENTAL PROTECTION

ENVIRONMENTAL PRECAUTIONS:	Avoid uncontrolled releases of this material into environment.
SPILL OR LEAK PRECAUTIONS:	Contain spilled material. Transfer to secure containers. Where necessary, collect using absorbent material.
WASTE DISPOSAL:	Dispose of according to federal, state and/or local requirements.

SECTION XI - REGULATORY CONTROLS

DOT CLASSIFICATION:	Class 55
DOT PROPER SHIPPING NAME:	Cleaning Compound, N.O.S.
OTHER REGULATORY REQUIREMENTS:	Listed in TSCA inventory

SECTION XII - PRECAUTIONS: HANDLING, STORAGE AND USAGE

No Special Precautions Necessary.

SECTION XIII - DATE AND SIGNATURE

This 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 other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness and completeness of such information for his own particular use.

AG ENVIRONMENTAL PRODUCTS, L.L.C.
9804 PFLUMM
LENEXA, KS 66215

SIGNATURE: William A. Ayres

PREPARED BY: WILLIAM A. AYRES REVISION DATE: 5-01-01

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: ACETONE

Manufacturer Information:

Sunoco, Inc. (R&M)
Ten Penn Center
1801 Market Street
Philadelphia, Pennsylvania, 19103-1699

Product Use:

Chemical intermediate

Emergency Phone Numbers:

Chemtrec	(800) 424-9300
Sunoco Inc.	(800) 964-8861

Information:

Product Safety Information	(610) 859-1120

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount (Vol%)
ACETONE	67-64-1	100

EXPOSURE GUIDELINES (SEE SECTION 15 FOR ADDITIONAL EXPOSURE LIMITS)

	CAS No.	Governing Body	Exposure Limits		
Limit for the product	67-64-1	ACGIH	STEL	750	ppm
Limit for the product	67-64-1	ACGIH	TWA	500	ppm
Limit for the product	67-64-1	OSHA	TWA	1000	ppm

3. HAZARDS IDENTIFICATION

- **EMERGENCY OVERVIEW**

  Danger! Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled. High vapor concentrations may cause drowsiness. Causes skin and eye irritation. Harmful if swallowed. May cause target organ or system damage to the following: Eye, Skin, Respiratory system, Central nervous system

  Hazards Ratings:

  Key: 0 = least, 1 = slight, 2 = moderate, 3 = high, 4 = extreme

	Health	Fire	Reactivity	PPI
NFPA	1	3	0	
HMIS	1	3	0	X

- **POTENTIAL HEALTH EFFECTS**

§ **PRE-EXISTING MEDICAL CONDITIONS**
The following diseases or disorders may be aggravated by exposure to this product: Skin, Eye, Lung (asthma-like conditions),

§ **INHALATION**
High concentrations may lead to central nervous system effects (drowsiness, dizziness, nausea, headaches, paralysis and loss of consciousness and even death). High vapor concentrations are irritating to the eyes, nose, throat, and lungs.

LC50 (mg/l):	no data	
LC50 (mg/m3):	rat; 8 hrs	50000
LC50 (ppm):	no data	

§ **SKIN**
Moderately irritating to the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Draize Skin Score:	no data		Out of 8.0
LD50 (mg/kg):	rabbit	20000	

§ **EYES**
Contact with the eye may cause moderate to severe irritation.

§ **INGESTION**
Product may be harmful or fatal if swallowed. Material is a pulmonary aspiration hazard. Material can enter lungs and cause damage. Ingestion of this product may cause central nervous system effects, which may include dizziness, loss of balance and coordination, unconsciousness, coma and even death.

LD50 (g/kg):	rat	5.8

4. FIRST AID MEASURES

- **INHALATION**
  Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and continue to monitor. Get immediate medical attention.
- **SKIN**
  Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.
- **EYES**
  Flush eye with water for 15 minutes. Get medical attention.
- **INGESTION**
  If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Get medical attention immediately. See Section 15 for additional first aid information.

5. FIRE FIGHTING MEASURES

- **EXTINGUISHING MEDIA**
  Water spray Alcohol resistant foam Dry chemical Carbon dioxide
- **FIRE FIGHTING INSTRUCTIONS**
  Use water spray. Use water spray to cool fire exposed tanks and containers. Acetone/water solutions that contain more than 2.5% acetone have flash points. When the acetone concentration is greater than 8% (by weight) in a closed container, it would be within the flammable range and cause fire or explosion if a source of ignition were introduced.

FLAMMABLE PROPERTIES

	Typical	Minimum	Maximum	Text Result	Units	Method
Flash Point	1.4				F	N/A
Autoignition Temperature	869				F	N/A

Lower Explosion Limit	2.5				%	N/A
Upper Explosion Limit	12.8				%	N/A

6. ACCIDENTAL RELEASE MEASURES

Prevent ignition, stop leak and ventilate the area. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Use appropriate personal protective equipment as stated in Section 8 of this MSDS. Advise the Environmental Protection Agency (EPA) and appropriate state agencies, if required. US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is (800) 424-8802. After removal, flush contaminated area thoroughly with water.

7. HANDLING AND STORAGE

- **HANDLING**
  Use only in a well-ventilated area. Ground and bond containers when transferring material. Avoid breathing (dust, vapor, mist, gas). Avoid contact with this material. Wash thoroughly after handling. Do not use air pressure to unload containers.
- **STORAGE**
  Keep away from heat, sparks, and flame. Store in a cool dry place. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Consult With a Health and Safety Professional for Specific Selections

- **ENGINEERING CONTROLS**
  Use with adequate ventilation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Use explosion-proof ventilation equipment.
- **PERSONAL PROTECTION**
  - **EYE PROTECTION**
    Splash proof chemical goggles or full face shield recommended to protect against splash of product.
  - **GLOVES or HAND PROTECTION**
    The glove(s) listed below may provide protection against permeation. Gloves of other chemically resistant materials may not provide adequate protection. Protective gloves are recommended to protect against contact with product. Neoprene; Natural rubber;
  - **RESPIRATORY PROTECTION**
    Concentration in air determines the level of respiratory protection needed. Use only NIOSH certified respiratory equipment. Half-mask air purifying respirator with organic vapor cartridges is acceptable for exposures to ten (10) times the exposure limit. Full-face air purifying respirator with organic vapor cartridges is acceptable for exposures to fifty (50) times the exposure limit. Exposure should not exceed the cartridge limit of 1000 ppm. Protection by air purifying respirators is limited. Use a positive pressure-demand full-face supplied air respirator or SCBA for exposures greater than fifty (50) times the exposure limit. If exposure is above the IDLH (Immediately Dangerous to Life and Health) or there is the possibility of an uncontrolled release, or exposure levels are unknown, then use a positive pressure-demand full-face supplied air respirator with escape bottle or SCBA. Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.
  - **OTHER**
    The following materials are acceptable for use as protective clothing: Neoprene; Natural rubber; Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Property	Typical	Units	Text Result	Reference
Appearance		N/A	Colorless liq	

Boiling Point	133	F		
Bulk Density		lb/gal	No data	
Melting Point	-137.2	F		
Molecular Weight	58.08	g/mole		
Octanol/Water Coefficient		N/A	No data	
pH	7	N/A		
Specific Gravity	0.79	N/A		
Solubility In Water		wt %	Complete	
Odor		N/A	Sweet pungent	
Odor Threshold	62	ppm		
Vapor Pressure	181	mmHg	@ 20 C	
Viscosity (F)		SUS	No data	
Viscosity (C)		CsT	No data	
% Volatile	100	wt %		

10. STABILITY AND REACTIVITY

- **STABILITY**
  Stable
- **CONDITIONS TO AVOID**
  Avoid heat, sparks and open flame.
- **INCOMPATIBILITY**
  Acetone may form explosive mixtures with chromic anhydride, chromyl alcohol, hexachloromelamine, hydrogen peroxide, permonosulfuric acid, potassium tertbutoxide, and thioglycol. Strong oxidizers
- **HAZARDOUS DECOMPOSITION PRODUCTS**
  Combustion may produce carbon monoxide, carbon dioxide and other asphyxiants.
- **HAZARDOUS POLYMERIZATION**
  Will not polymerize.

11. ECOLOGICAL INFORMATION

This product is not expected to persist in the environment.

12. DISPOSAL CONSIDERATIONS

Follow federal, state and local regulations. In Canada, follow federal, provincial and local regulations. This material is a RCRA hazardous waste. Do not flush material to drain or storm sewer. Contract to authorized disposal service.

13. TRANSPORT INFORMATION

Governing Body	Mode	Proper Shipping Name
DOT	Ground	Acetone

Governing Body	Mode	Hazard Class	UN/NA No.	Label
DOT	Ground	3 (Flammable liquid)	UN1090	

14. REGULATORY INFORMATION

Regulatory List	Component	CAS No.
ACGIH 2000 - Short Term Exposure Limits	ACETONE	67-64-1

ACGIH 2000 - Time Weighted Averages	ACETONE	67-64-1
Canada - WHMIS: Ingredient Disclosure	ACETONE	67-64-1
CERCLA/SARA - Haz Substances and their RQs	ACETONE	67-64-1
Inventory - Canada - Domestic Substances List	ACETONE	67-64-1
Inventory - European EINECS Inventory	ACETONE	67-64-1
Inventory - Japan - (ENCS)	ACETONE	67-64-1
Inventory - Korea - Existing and Evaluated	ACETONE	67-64-1
Inventory - TSCA - Sect. 8(b) Inventory	ACETONE	67-64-1
Massachusetts Right To Know List	ACETONE	67-64-1
New Jersey - Department of Health RTK List	ACETONE	67-64-1
New Jersey - Special Hazardous Substances	ACETONE	67-64-1
OSHA - Final PELs - Time Weighted Averages	ACETONE	67-64-1
Pennsylvania Right to Know List	ACETONE	67-64-1
TSCA - Sect. 12(b) - Export Notification	ACETONE	67-64-1

Title III Classifications Sections 311,312:

- Acute: **YES**
- Chronic: **NO**
- Fire: **YES**
- Reactivity: **NO**
- Sudden Release of Pressure: **NO**

15. OTHER INFORMATION

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner or properly disposed of. This product is subject to the Chemical Diversion and Trafficking Act of 1988 and subject to specific record keeping requirements. WHMIS Classification: Class B Division 2 - Flammable Liquids;

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**** DRAFT COPY -- FOR EVALUATION USE ONLY ****

PRODUCT NAME : L-7752 CLEANER
IDENTIFICATION NUMBER: SFCL07752 DATE PRINTED: 09/18/03
PRODUCT USE/CLASS :

SUPPLIER:
Camie-Campbell
9225 Watson Industrial Park
St. Louis, MO 63126

EMERGENCY TELEPHONE: 800-424-9300
24 HOUR EMERGENCY PHONE

MANUFACTURER:
Camie-Campbell
9225 Watson Industrial Park
St. Louis, MO 63126

EMERGENCY TELEPHONE: 800-424-9300
24 HOUR EMERGENCY PHONE

PREPARER: JLM, PHONE: 314/968-3222, PREPARE DATE: 09/18/03
REPLACES DATE: 09/18/03

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT % LESS THAN
01	ACETONE	67-64-1	40.0 %
02	PROPANE	74-98-6	25.0 %

EXPOSURE LIMITS

ITEM	ACGIH TLV-TWA	ACGIH TLV-STEL	OSHA PEL-TWA	OSHA PEL-CEILING	COMPANY TLV-TWA	SKIN
01	500 ppm	750 ppm	1000 ppm	N.E.	N.E.	NO
02	2500 PPM	N.E.	1000 ppm	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapor, liquid, and/or solid). All hazardprecautions given must be observed. Do not flame cut, braze or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Can cause severe irritation, redness, tearing, blurred vision.

(Continued on Page 2)

SECTION 3 - HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Prolonged or repeated contact can cause moderate irritation defatting, dermatitis.

EFFECTS OF OVEREXPOSURE - INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and even asphyxiation.

EFFECTS OF OVEREXPOSURE - INGESTION: No Information.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Overexposure to this material (or its components) has apparently been found to cause the following effects in laboratory animals: kidney damage, eye damage, liver damage,

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION INHALATION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Flush with large amounts of water, lifting upper and lower lids occasionally, get medical attention.

FIRST AID - SKIN CONTACT: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use. Get medical attention if irritation persists.

FIRST AID - INHALATION: Remove individual to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration if breathing has stopped. Keep person warm and quiet. Get medical attention.

FIRST AID - INGESTION: Do not induce vomiting. Give two glasses of water if conscious. Never give anything by mouth to an unconscious person. Get immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -156 F
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: 2.2 %
UPPER EXPLOSIVE LIMIT: 12.8 %

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling point. For aerosol products - exposure to temperatures over 130F may cause containers to burst releasing highly flammable gas. As with all unsaturated fats and oils, some porous materials such as rags, paper, insulation, or organic clay when wetted with this product may undergo spontaneous combustion. Keep such wetted materials well ventilated to prevent possible heat buildup.

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SECTION 5 - FIRE FIGHTING MEASURES

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode when fighting fires. Keep fire exposed containers cool with water fog.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition & ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source - prevent spreading. Avoid inhalation of vapors. Avoid skin contact with liquid. Soak up on absorbent material and place into proper container for disposal. Use non-sparking scoops for flammable materials. Clean walking surfaces thoroughly to reduce slipping hazard.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied, since containers retain product residues (vapor, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze or use welding torch on containers. Intentional misuse by deliberately concentrating and inhaling the vapors from this product may be harmful or fatal.

STORAGE: Do not store above 120F. Do not store in direct sunlight. Keep away from heat sources, open flame, pilot lights, sparks, and other sources of ignition. Do not store above 120F. Do not store in direct sunlight.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

RESPIRATORY PROTECTION: If work place exposure limits of product or any component is exceeded, use a NIOSH/MSHA approved respirator. Consult your safety equipment supplier for recommendations.

SKIN PROTECTION: Wear impervious gloves if method of use involves skin contact with product. Consult your safety supply vendor for glove recommendations.

EYE PROTECTION: Wear safety glasses at minimum, more extensive protection may be necessary depending on how the product is to be used.

OTHER PROTECTIVE EQUIPMENT: Wear impervious clothing if bodily exposure is anticipated. Consult your safety supply vendor for recommendations.

HYGIENIC PRACTICES: Wash hands before eating or smoking. Smoke in

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