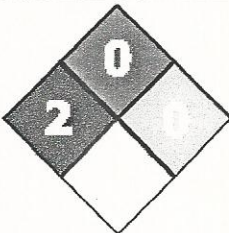


# Material Safety Data Sheet

<b>NFPA</b>	<b>Transport Symbol</b>
	Not regulated

Preparation Date 15-Aug-2006

Revision Date 04-Sep-2008

Revision Number 2

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Code** ANTICLOG  
**Product Name** ANTI-CLOG #1  
**Synonyms** Anti-Clog #1  
**Formula** Not available  
**CAS Number** Mixture  
**EPA Registration Number** 33427-4  
**EPA Establishment Number** 33427-NY-1  
**Contact** **MKG Sales Associates, Inc.**  
130 Miller Road  
Medford, NJ 08055  
PH. 609-953-4700  
Fax 609-953-4701  
[www.mkgsales.com](http://www.mkgsales.com)  
**ChemTrec Emergency Telephone Numbers** 1-800-424-9300  
1-703-527-3887

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

May be harmful by inhalation, ingestion, skin absorption. Severe eye irritation. Severe skin irritation. Toxic to aquatic organisms. Avoid release to the environment.

**Appearance** Light brown contents packaged in a plastic container.

**Physical State** Solid.

**Odor** Soapy

**OSHA Regulatory Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

**Mexico - Grade** Not available

### Potential Health Effects

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

**Acute Effects**

**Eyes** Severe eye irritation. Avoid contact with eyes.

**Skin** May be harmful by skin contact. Severe skin irritation. Avoid contact with skin.

**Inhalation** May be harmful by inhalation. May cause irritation of the mucous membranes. May cause irritation of respiratory tract.

**Ingestion** May be harmful if swallowed. Nausea. Diarrhea.

**Chronic Effects** Avoid repeated exposure.

See Section 11 for additional Toxicological information.

**Aggravated Medical Conditions** Not available

**Interactions with Other Chemicals** Not available

**Potential Environmental Effects** Toxic to aquatic organisms. Avoid release to the environment.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**CAS Number** Mixture

**Hazardous Components**

Chemical Name	CAS-No	Weight %
Ethanol	64-17-5	5 - 10
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride	68391-01-5	10 - 30
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	10 - 30

**Non-hazardous Components**

Chemical Name	CAS-No	Weight %
Other Ingredients	N/A	30 - 60

**4. FIRST AID MEASURES**

**General Advice** Show this safety data sheet to the doctor in attendance.

**Eye Contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician or Poison Control Centre immediately.

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Call a physician or Poison Control Centre immediately.

**Inhalation** Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.



<b>Ingestion</b>	Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Centre immediately.
<b>Notes to Physician</b>	Treat symptomatically
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing.

<b>5. FIRE-FIGHTING MEASURES</b>
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<b>Flammable Properties</b>	Not available
<b>Suitable Extinguishing Media</b>	Water spray. Carbon dioxide (CO2). Dry powder. Foam.
<b>Unsuitable Extinguishing Media</b>	Not available
<b>Hazardous Combustion Products</b>	Thermal decomposition or combustion may produce hazardous gases and/or materials.

**Explosion Data**

<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

**Specific Hazards Arising from the Chemical**

Keep product and empty container away from heat and sources of ignition

**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><u>NFPA</u></b>	<b>Health 2</b>	<b>Flammability 0</b>	<b>Instability 0</b>
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<b>6. ACCIDENTAL RELEASE MEASURES</b>
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<b>Personal Precautions</b>	Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Environmental Precautions</b>	Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Should not be released into the environment.
<b>Methods for Containment</b>	Not available
<b>Methods for Cleaning up</b>	Evacuate personnel to safe areas. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.
<b>Other Information</b>	Not applicable

## 7. HANDLING AND STORAGE

**Handling** Ensure that eyewash stations and safety showers are close to the workstation location. Use only in an area equipped with a safety shower. Ensure adequate ventilation. Do not breathe vapours/dust. Avoid contact with skin, eyes and clothing. Avoid repeated exposure.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 10 and 48.88°C. Keep in properly labelled containers. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	Ontario TWAEV	Mexico
Ethanol	= 1000 ppm TWA	= 1000 ppm TWA = 1900 mg/m <sup>3</sup> TWA	= 1000 ppm TWAEV = 1900 mg/m <sup>3</sup> TWAEV	= 1900 mg/m <sup>3</sup> TWA = 1000 ppm TWA

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

**Personal Protective Equipment**

**Eye/face Protection** Tightly fitting safety goggles.

**Skin Protection** Wear protective gloves/clothing.

**Respiratory Protection** In case of insufficient ventilation wear suitable respiratory equipment.

Chemical Name	NIOSH IDLH
Ethanol	= 3300 ppm IDLH 10% LEL

IDLH: Immediately Dangerous to Life or Health

**General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** Light brown contents packaged in a plastic container

**Physical State** Solid

**Odor** Soapy

**pH** Not available

**Flash Point** Not available

**Autoignition Temperature** Not available

**Boiling Point/Range** Not available

**Melting Point/Range** 170 - 180°F

**Flammability Limits in Air** Lower Not available Upper Not available

**Vapor Pressure** Not available

**Vapor Density** Not available

**Specific Gravity** 0.965 - 0.985



**ANTICLOG - ANTI-CLOG #1**

<b>Water Solubility</b>	73 - 85%
<b>Reactivity in Water</b>	Not available
<b>Molecular Weight</b>	Not available

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Stable under normal conditions
<b>Conditions to Avoid</b>	Heat, flames and sparks
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide, Carbon dioxide (CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ), Hydrogen chloride gas.
<b>Possibility of Hazardous Reactions</b>	None under normal processing

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.

**Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	= 7060 mg/kg Oral LD50 Rat		

**Chronic Toxicity****Carcinogenicity**

There are no known carcinogenic chemicals in this product

Chemical Name	ACGIH	IARC	NTP	OSHA	Mexico
Ethanol	A4 - Not Classifiable as a Human Carcinogen	Monograph 96 [2007] (in alcoholic beverages)	Known Human Carcinogen	Present	A4 - Not classifiable as a human carcinogen

<b>Irritation</b>	Not available
<b>Corrosivity</b>	Not available
<b>Sensitization</b>	Not available
<b>Neurological Effects</b>	Not available
<b>Mutagenic Effects</b>	Not available
<b>Reproductive Effects</b>	Not available
<b>Developmental Effects</b>	California Proposition 65 - Developmental Toxicity. [Ethyl alcohol in alcoholic beverages]

**Teratogenic Effects** May cause harm to the unborn child. [Ethanol, Cas# 64-17-5 by the state of Massachusetts].

**Target Organ Effects** Not available

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic organisms. Avoid release to the environment.

Ethanol

**Microtox Data**

= 34634 mg/L EC50 *Photobacterium phosphoreum* 30 min

= 35470 mg/L EC50 *Photobacterium phosphoreum* 5 min

**Water Flea Data**

= 10800 mg/L EC50 *Daphnia magna* 24 h

= 9268 mg/L EC50 *Daphnia magna* 48 h

**Persistence / Degradability** Not available

**Bioaccumulation / Accumulation** Not available

**Mobility in Soil** Not available

Ethanol

log Pow = -0.32

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Method** Contact waste disposal services. Dispose of in accordance with local regulations.

**Contaminated Packaging** Dispose of in accordance with local regulations. Empty containers should be taken for local recycling, recovery or waste disposal.

**US EPA Waste Number** Not available

**14. TRANSPORT INFORMATION**

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

**ANTICLOG - ANTI-CLOG #1**

<b>IATA</b>	Not regulated
<b>IMDG/IMO</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR</b>	Not regulated
<b>ADN</b>	Not regulated

**15. REGULATORY INFORMATION****International Inventories**

<b>U.S.A. (TSCA)</b>	Does not Comply
<b>Canada (DSL)</b>	Does not Comply
<b>EU (ELINCS)</b>	Does not Comply
<b>EU (EINECS)</b>	Does not Comply
<b>Japan (ENCS)</b>	Does not Comply
<b>China</b>	Does not Comply
<b>Korea (KECL)</b>	Does not Comply
<b>Philippines (PICCS)</b>	Does not Comply
<b>Australia (AICS)</b>	Does not Comply

Chemical Name	U.S.A. (TSCA)	Canada (DSL)	EU (EINECS)	EU (ELINCS)
Ethanol	Present	Present	200-578-6	-
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride	Present	Present	269-919-4	-
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride	Present	Present	273-318-2	-
Other Ingredients	-	-	-	-

Chemical Name	Japan (ENCS)	China	Korea (KECL)	Philippines (PICCS)	Australia (AICS)
Ethanol	2-202 2-0202	Present	KE-13217	Present	Present
Alkyl(60%C14,30%C16,5%C12,5%C18)Dimethyl Benzyl Ammonium Chloride	-	Present	KE-00775	GEN-1082	Present
Alkyl(68%C12, 32%C14)Dimethyl Ethylbenzyl Ammonium Chloride	-	Present	2001-3-1988	Present	Present
Other Ingredients	-	-	-	-	-

This material as whole is exempt from the TSCA inventory // Subject to EPA FIFRA regulations

**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.



ANTICLOG - ANTI-CLOG #1

SARA 311/312 Hazardous Categorization

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

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

This product does not contain any HAPs.

**Chemical Name** Ethanol      **CAS-No** 64-17-5      **VOCs** Present

State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Category	Type
Ethanol	64-17-5	developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)	carcinogen, initial date 7/1/88 (when associated with alcohol abuse)

State Right-to-Know

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethanol	Teratogen	sn 0844	Present		Toxic; Flammable

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

Not determined

**16. OTHER INFORMATION**

**Prepared By** Environmental Health and Safety, Regulatory Affairs  
**Preparation Date** 15-Aug-2006  
**Revision Date** 04-Sep-2008  
**Revision Summary** Not available

Disclaimer

The information provided on this MSDS 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.

**End of MSDS**