

# SAFETY DATA SHEET

## \*\*\*\*\* SECTION I – IDENTIFICATION \*\*\*\*\*

**MANUFACTURER NAME**

Mullen Circle Brand, Inc.  
EEZ Products Division  
3514 West Touhy Avenue  
Skokie, Illinois 60076

**PHONE NUMBER**

(Monday – Friday 8 AM – 4 PM)  
847/676-1880

**PRODUCT NAME**

Delta #990

**RECOMMENDED USE**

Lubricant

**E-Mail**

SDS@MullenOil.com

**RESTRICTIONS ON USE**

It is against federal law to use this product inconsistent with its labeling

## \*\*\*\*\* SECTION II – HAZARD(S) IDENTIFICATION \*\*\*\*\*

**OSHA Status**

Hazardous

**GHS HAZARD CLASS****Physical Hazards**

Not classified

**Health Hazards**

Serious Eye Damage/Eye Irritation – Category 2a

**Environmental Hazards** Not classified

**GHS Symbol/Pictogram****Signal Word**

Warning

**Hazard Statements**

Causes serious eye irritation

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**\*\*\*\*\* SECTION II – HAZARD(S) IDENTIFICATION (Continued) \*\*\*\*\***

**Precautionary Statements**

<b>Prevention</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Do not eat, drink or smoke when using this product Avoid breathing dust, fumes, gas, mist, vapors, spray Wash thoroughly after handling Wear protective gloves, protective clothing, eye protection, face protection
<b>Response</b>	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician Do not induce vomiting IF ON SKIN: Wash with plenty of water IF ON SKIN (or hair): Remove all contaminated clothing. Rinse skin with water If skin irritation occurs, get medical advice/attention IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a POISON CENTER/doctor/physician if you feel unwell Specific treatment (see first aid section) In case of fire: Use foam, CO2, dry chemical
<b>Storage</b>	Store in a well ventilated place. Keep container closed when not in use Keep cool Store in a secure location
<b>Disposal</b>	Dispose of contents/container in accordance with local/state/federal regulations Avoid release to the environment

**\*\*\*\*\* SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS \*\*\*\*\***

**Substance** \_\_\_\_\_ **Mixture**   X  

Chemical Name	CAS#	%
Highly Refined Petroleum Oils *	64742-52-5 64742-54-7	50-70%
Ethoxylated Alcohol	95706-86-8	5-10%

\* Not OSHA/GHS hazardous

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\*\*\*\*\* SECTION IV – FIRST AID MEASURES \*\*\*\*\*

**Description Of Necessary First Aid Measures**

**Eye Contact**

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 15 minutes. Get medical attention.

**Skin Contact**

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected gas or vapor is still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth to mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion**

Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

\*\*\*\*\* SECTION V – FIREFIGHTING MEASURES \*\*\*\*\*

**Extinguishing Media**

**Suitable**

Foam, CO2, dry chemicals, water fog or mist.

**Unsuitable**

Do not use water jet.

**Specific Hazards**

In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Hazardous Decomposition Products**

Oxides of carbon, sulfur.

**Special Precautions – Fire Fighters**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. Move containers from fire area if it can be done without risk. No action shall be taken involving any personal risk or without suitable training.

**Special Protective Equipment – Fire Fighters**

Wear positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

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**\*\*\*\*\* SECTION VI – ACCIDENTAL RELEASE MEASURES \*\*\*\*\***

**Personal Precautions, Protective Equipment And Emergency Procedures**

**For Non-Emergency Personnel**

Take no action involving personal risk without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. Floors may be slippery, use care to avoid falling.

**For Emergency Responders**

If specialized clothing is required to deal with the spillage, take note of any information in Section VIII on suitable and unsuitable materials. See also the information in “For Non-Emergency Personnel”.

**Environmental Precautions**

Avoid dispersal of spilled products and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product causes environmental pollution.

**Methods And Materials For Containment And Cleaning Up**

**Small Spill**

Stop leak if without risk. Eliminate ignition sources. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large Spill**

Stop leak if without risk. Eliminate ignition sources. Move containers from spill area. Prevent entry into sewers, waterways, basements or confined areas. Contain and collect spillage with noncombustible, absorbent material and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

**\*\*\*\*\* SECTION VII – HANDLING & STORAGE \*\*\*\*\***

**Precautions For Safe Handling**

**Protective Measures**

Put on appropriate personal protective equipment (See Section VIII). Do not swallow. Avoid contact with eyes, skin, clothing. Avoid breathing vapor and mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice On General Occupational Hygiene**

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section VIII for additional information on hygiene measures.

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**\*\*\*\*\* SECTION VII – HANDLING & STORAGE (Continued) \*\*\*\*\***

**Conditions For Safe Storage**

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section X) and food and drink. Keep away from heat, sparks and open flame. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

**\*\*\*\*\* SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION \*\*\*\*\***

**Exposure Limits**

<b>Ingredient Name</b>	<b>Exposure Limits</b>	
Highly Refined Petroleum Oil *	ACGIH TLV-TWA	5 mg/m3 As Mist; 8 Hours
	NIOSH STEL	10 mg/m3 As Mist
	NIOSH TWA	5 mg/m3 As Mist; 8 Hours
	OSHA PEL-TWA	5 mg/m3 As Mist; 8 Hours

\* Not OSHA/GHS hazardous

**Environmental Exposure Controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, vapor controls, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Appropriate Engineering Controls**

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits.

**Hygiene Measures**

Wash hands, forearms and face thoroughly after handling chemical products and before eating, smoking or using the lavatory as well as at the end of the work period. Wash contaminated clothing before reusing.

**Respiratory Protection**

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits.

**Eye Protection**

Safety glasses equipped with side shields in conjunction with a face shield are recommended in industrial settings.

**Skin Protection**

Wear impervious protective gloves. Wear protective gear as needed - apron, suit, boots. Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

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\*\*\*\*\* SECTION IX – PHYSICAL & CHEMICAL PROPERTIES \*\*\*\*\*

<b>Appearance</b>	
<b>Physical State</b>	Liquid
<b>Color</b>	Amber concentrate; White dilutions
<b>Odor</b>	Mild hydrocarbon
<b>Odor Threshold</b>	Not available
<b>Ph</b>	9.1 @ 5%
<b>Freezing Point</b>	0 F
<b>(Pour Point)</b>	
<b>Initial Boiling Point</b>	212 F
<b>Boiling Range</b>	212-700 F
<b>Drop Point</b>	Not applicable
<b>Flash Point</b>	400 F
<b>Evaporation Rate</b>	<1 (butyl acetate = 1)
<b>Explosive Limits</b>	
<b>Upper</b>	Not available
<b>Lower</b>	Not available
<b>Vapor Pressure</b>	Not available
<b>Vapor Density</b>	Heavier than air
<b>Specific Gravity</b>	0.98
<b>Density</b>	8.20 Pounds/gallon
<b>Solubility</b>	Emulsifies in water
<b>Auto Ignition Temperature</b>	Not available
<b>Decomposition Temperature</b>	Not available
<b>Viscosity</b>	200 SUS @ 100 F (estimate)
<b>Partition coefficient</b>	Not available
<b>(n-octanol/water)</b>	
<b>Volatile Organic Compounds</b>	Not determined

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**\*\*\*\*\* SECTION X – STABILITY & REACTIVITY**

**Reactivity**

Not expected to be Explosive, Self-Reactive, Self-Heating, or an Organic Peroxide under US GHS definitions

**Chemical Stability**

This product is stable under normal conditions.

**Possibility Of Hazardous Reactions**

Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions To Avoid**

Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

**Incompatible Materials**

Reactive or incompatible with the following materials: Oxidizing materials.

**Hazardous Decomposition Products**

Oxides of carbon and sulfur.

**\*\*\*\*\* SECTION XI – TOXICOLOGICAL INFORMATION \*\*\*\*\***

**Primary Routes Of Exposure:** Eye contact, Ingestion, Inhalation, Skin contact

**Acute Toxicity Values:** Not acutely toxic

**Information On Toxicological Effects - Effects Of Overexposure**

<b>Inhalation</b>	Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, lightheadedness, and stupor (CNS depression).
<b>Skin Contact</b>	Concentrate causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).
<b>Eye Contact</b>	Concentrate causes serious temporary irritation. May cause tearing, redness and discomfort.
<b>Ingestion</b>	This material may be harmful or fatal if swallowed or if liquid is aspirated into lungs. Ingestion may cause gastrointestinal tract irritation. Can be readily absorbed by the stomach and intestinal tract. Symptoms include burning sensation of the mouth and esophagus, nausea, vomiting, diarrhea, dizziness, staggering gait, drowsiness, loss of consciousness and delirium as well as other central nervous system effects.
<b>Chronic Hazards</b>	Not available.

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\*\*\*\*\* SECTION XI – TOXICOLOGICAL INFORMATION (continued)\*\*\*\*\*

<b>Sensitization</b>	
<b>Respiratory</b>	Not classified
<b>Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Non-mutagenic based on Modified Ames Assay
<b>Carcinogenicity</b>	This product is not listed as a carcinogen by IARC, OSHA, NTP.
<b>Fertility Effects</b>	Contains no ingredient listed as toxic to reproduction.
<b>Specific Target Organ Toxicity</b>	
<b>Single Exposure</b>	Not classified
<b>Repeated Exposure</b>	Not classified
<b>Aspiration Hazard</b>	Not classified

\*\*\*\*\* SECTION XII – ECOLOGICAL INFORMATION \*\*\*\*\*

**Ecotoxicity**  
Not available

**Persistence & Degradability**  
Not available

**Bioaccumulative Potential**  
Not available

**Mobility In Soil**  
Not available

**Other Adverse Effects**  
No known significant effects or critical hazards.



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\*\*\*\*\* **SECTION XIII – DISPOSAL CONSIDERATIONS** \*\*\*\*\*

**Disposal Methods**

Waste generation should be avoided or minimized wherever possible. Dispose of in accordance with federal, state, and local regulations. After the container has been emptied, it may contain hazardous residues. Avoid sparks and open flame. Do not cut, puncture, or weld on or near the container. Do not reuse the container for any purpose until properly reconditioned.

**RCRA Classification**

Non-Hazardous waste

\*\*\*\*\* **SECTION XIV – TRANSPORT INFORMATION** \*\*\*\*\*

**DOT**

<b>UN#</b>	Not regulated *
<b>Description</b>	Petroleum Oil, nos
<b>Transport Hazard class</b>	Not regulated
<b>Packing Group</b>	Not regulated

\* DOT Regulated Only In Bulk Quantities

\*\*\*\*\* **SECTION XV – REGULATORY INFORMATION** \*\*\*\*\*

**TSCA Inventory** : All product ingredients are listed on the chemical inventory

**US OSHA - Status** : Hazardous

**SARA Section 302 – Emergency Planning** : No listing

**Chemical Reporting:**

<b>SARA 304 Release</b>	: No Established RQ/TPQ
<b>SARA 313</b>	: No Listing
<b>CERCLA Release</b>	: No Established RQ

**SARA Section 311/312**

Physical Hazard	: No
Health Hazard	: Yes

**Clean Air Act**

Ozone Depleting Compounds	: No listing
Section 112 (r) , TQ	: No listing
Hazardous Air Pollutants	: No listing

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**\*\*\*\*\* SECTION XVI – OTHER INFORMATION \*\*\*\*\***

The above mentioned information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition the person receiving it shall make his own determination as to the suitability of the material for his particular use and on the condition he assume the risk of his use thereof.

**HMIS HAZARD CLASS:**

Health	1 (Slight)
Fire	1 (Slight)
Reactivity	0 (Least)
Personal Protection	B

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