

Engine Kleen

## Section 1: PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** 

**Product Use:** 

Engine Kleen

Solvent Cleaner

**Product Number:** 

175

0 = minimal, 1 = slight

2 = moderate, 3 = severe

HMIS Hazard Rating:

4 = extreme

Health / Flammability / Physical Hazard

2

2

Manufacturer/Supplier:

Auto Valet Detailing Products a div. of 597401 Ontario Limited

1366 Sandhill Dr., Ancaster, ON

L9G 4V5

**Phone Number:** 

(905) 648-7432

Emergency Phone:

(905) 648-7832

Date of Preparation:

1 November 2011

## Section 2: HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

WARNING

COMBUSTIBLE LIQUID. HARMFUL IF SWALLOWED. MAY CAUSE EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

Eye:

May cause eye irritation.

Skin:

May cause skin irritation.

Ingestion:

Harmful if swallowed. May cause stomach distress, nausea or vomiting.

Harmful: may cause lung damage if swallowed.

Inhalation:

May cause respiratory tract irritation. This product may be aspirated into the

lungs and cause chemical pneumonitis.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Medical Conditions Aggravated By Exposure: Asthma. Allergies.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

Potential Environmental Effects: May cause long-term adverse effects in the aquatic environment See Section 12 for more information.

# Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS#	Wt. %
Distillates (petroleum), hydrotreated light Amides, coco, N,N-bis(hydroxxyethyl) Ethylene glycol monobutyl ether		VVI. 70
	64742-47-8	60 - 100
	68603-42-9	1 - 5
	111-76-2	1 - 5



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### Section 4: FIRST AID MEASURES

**Eye Contact:** 

In case of contact, immediately flush eyes with plenty of water. If easy to do,

remove contact lenses, if worn.

**Skin Contact:** 

In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a

physician if irritation develops and persists.

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If

breathing is difficult, give oxygen.

Ingestion:

If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately

(show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

### Section 5: FIRE FIGHTING MEASURES

Flammability: Combustible by WHMIS criteria.

Means of Extinction:

Suitable Extinguishing Media: Powder, foam, carbon dioxide. DO NOT USE WATER.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: Oxides of carbon.

**Explosion Data:** 

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full

Bunker gear) and respiratory protection (SCBA).

## Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

Environmental Precautions: This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

Other Information: Not available.



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#### Section 7: HANDLING AND STORAGE

#### Handling:

Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes. Do not swallow. Do not breathe gas/fumes/vapor/spray. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

#### Storage:

Keep out of the reach of children. Keep container tightly closed. Do not store at temperatures above 49°C. Keep away from food, drink and animal foodstuffs.

# Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Exposure Guidelines**

#### Ingredient

Distillates (petroleum), hydrotreated light Amides, coco, N,N-bis(hydroxxyethyl) Ethylene glycol monobutyl ether

### **Exposure Limits ACGIH-TLV**

200 mg/m<sup>3</sup> Not available. 20 ppm

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

## Personal Protective Equipment:

Eye/Face Protection: Wear eye/face protection.

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory

equipment.

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Clear.

Color:

Blue-green.

Odour:

Low odor.

Odour Threshold:

Not available.

**Physical State:** 

Liquid.

pH:

Not available.

Viscosity:

Not available

Freezing Point:

Not available.

**Boiling Point:** 

~ 150 °C (~ 302 °F)

Flash Point:

~ 41.5 °C (~ 106.7 °F)

**Evaporation Rate:** 

Not available.

Lower Flammability Limit:

Not available.



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Upper Flammability Limit:

Not available.

Vapor Pressure:

Not available.

Vapor Density:

> 1 (Air = 1)

Specific Gravity:

0.785

Solubility in Water:

Emulsifiable.

Coefficient of Water/Oil Distribution:

Not available.

Auto-ignition Temperature:

Not available.

Percent Volatile, wt. %:

> 90

VOC content, wt. %:

Not available.

## Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Keep in a cool place.

Conditions of Reactivity: Heat. Incompatible materials. Incompatible Materials: Oxidizers. Reducing agents. Hazardous Decomposition Products: Oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of

normal use.

## Section 11: TOXICOLOGY INFORMATION

### **EFFECTS OF ACUTE EXPOSURE**

### Component Anaylsis

Ingredient Distillates (petroleum), hydrotreated light

LD<sub>50</sub> (oral)

LC<sub>50</sub>

Amides, coco, N,N-bis(hydroxxyethyl)

> 5000 mg/kg, rat 12400 uL/kg,rat

Not available. Not available.

Ethylene glycol monobutyl ether

200 mg/kg,rat

450 ppm 4 hrs,rat

Eye:

May cause eye irritation. Symptoms may include discomfort or pain, excess

blinking and tear production, with marked redness and swelling of the

conjunctiva.

Skin:

May cause skin irritation. Symptoms may include redness, edema, drying,

defatting and cracking of the skin.

Ingestion:

Harmful if swallowed. May cause stomach distress, nausea or vomiting. Harmful:

may cause lung damage if swallowed.

Inhalation:

May cause respiratory tract irritation. This product may be aspirated into the

lungs and cause chemical pneumonitis.

### **EFFECTS OF CHRONIC EXPOSURE**

Target Organs: Not available.

Chronic Effects: Not hazardous by WHMIS criteria. Carcinogenicity: Not hazardous by WHMIS criteria.

Chemical Listed as Carcinogen or Potential Carcinogen \*

I-2B

Not listed.

G-A3



## MATERIAL SAFETY DATA SHEET

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#### Ingredient

Distillates (petroleum), hydrotreated light Amides, coco, N,N-bis(hydroxxyethyl) Ethylene glycol monobutyl ether

\* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS criteria.

Reproductive Effects: Not hazardous by WHMIS criteria.

**Developmental Effects:** 

**Teratogenicity:** Not hazardous by WHMIS criteria. **Embryotoxicity:** Not hazardous by WHMIS criteria.

Respiratory Sensitization: Not hazardous by WHMIS criteria.

Skin Sensitization: Not hazardous by WHMIS criteria.

Toxicologically Synergistic Materials: Not available.

### Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: May cause long-term adverse effects in the aquatic environment

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

#### Section 13: DISPOSAL CONSIDERATIONS

## Disposal Instructions:

This material and its container must be disposed of in a safe way.

## Section 14: TRANSPORTATION INFORMATION

#### **TDG Classification**

Not Regulated

## Section 15: REGULATORY INFORMATION

#### Federal Regulations

**Canadian:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

#### Global Inventories

Ingredient
Distillates (petroleum), hydrotreated light
Amides, coco, N,N-bis(hydroxxyethyl)
Ethylene glycol monobutyl ether

Canada DSL/NDSL

DSL

DSL

DSL



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#### WHMIS Classification(s):

Class B3 - Combustible Liquid Class D2B - Skin/Eye Irritant

#### WHMIS Hazard Symbols:



#### SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

Occupational Safety and Health Administration.

ACGIH (G) American Conference of Governmental Industrial Hygienists.

A1 - Confirmed human carcinogen. A2 - Suspected human carcinogen.

A3 - Animal carcinogen.

A4 - Not classifiable as a human carcinogen. A5 - Not suspected as a human carcinogen.

IARC (I) International Agency for Research on Cancer. The agent (mixture) is carcinogenic to humans.

2A - The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in

humans and sufficient evidence of carcinogenicity in experimental animals. 2B - The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in

humans in the absence of sufficient evidence of carcinogenicity in experimental animals. 3 - The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 - The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N)

National Toxicology Program. 1 - Known to be carcinogens.

2 - Reasonably anticipated to be carcinogens.

#### Section 16: OTHER INFORMATION

#### Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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