

General Motors of Canada

AC Delco Vehicle Care Products



Material Safety Data Sheet (MSDS) Coversheet

Part Number (s) 10951147

AC Delco Trade Name AC Delco OptiKleen Pre mix

GMCL MSDS # CN 31371

Creation Date August 21, 2009

MSDS Revision Date 11/19/07

Notes:



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product Name/Trade Name	Windshield Washer Fluid - Red -35C
Manufacturer:	KIK CUSTOM PRODUCTS 2921 Corder Street Houston, Texas 77054
Contact Number:	Tel: 1 905 660-0444
Emergency 24 Hour Contact Number:	Tel: 1 800 255-3924
Prepared By:	KIK CUSTOM PRODUCTS Laboratory
Replaces Date:	August 16, 2007
Date Last Revised:	November 19, 2007

Section 2 Hazardous Ingredients

Name	%	CAS#	LD50/LC50
Methyl Alcohol	30-60	67-56-1	LD50 5628 mg/kg (oral rat) LC50 64000 ppm/4 H (inh rat)
Monoethanolamine	<1.0	141-43-5	LD50 2050 mg/kg (oral rat)/ LC50 NAv
Sodium			
2-Mercaptobenzothiazole	<1.0	2492-26-4	LD50 3968 mg/kg (oral rats)/ LC50 NAv

Section 3 Physical Data

State	Liquid	PH	10.75
Appearance	Red	% Volatile	98%
Odour	Alcohol	Boiling Point	65 - 100°C
Specific Gravity	0.930	Vapour Pressure	N Av
Solubility	100%		

Section 4 Fire & Explosion

Flammable: Will flash, will not support flame on its own. Avoid open flame or spark.
Means of Extinction: Carbon Dioxide, Dry Chemical, Water Fog or Foam
Special Procedures: Fire fighters should wear full protective equipment and self-contained breathing apparatus.
Flash Point: & Method: 29.5 TCC
Hazardous Combustion Products: Formaldehyde, Carbon Dioxide and Carbon Monoxide

Section 5 Reactivity Data

Chemical Stability: YES X NO
Conditions: NA
Incompatibility: YES X NO
What Substances? Strong oxidizers, strong alkalis, strong acids
Reactivity / Conditions: Heat, sparks and open flame in the presence of oxidizing materials
Hazardous Decomposition Products: Carbon Dioxide and Carbon Monoxide



Section 6 Toxicological Properties

Route of Entry	Skin Contact	X	Skin Absorption	X	Eye Contact	X
	Inhalation Acute	X	Inhalation Chronic		Ingestion	X

Effects of Acute Exposure: Excessive inhalation of vapors can irritate breathing passages and cause central nervous effects of dizziness, nausea, headache and possible unconsciousness. Contact with eyes can cause burning sensation and irritation. Ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, blindness and death.

Effects of chronic exposure: Prolonged and repeated exposure to skin will cause irritation, drying and dermatitis. May be absorbed in toxic amounts from prolonged and repeated exposure.

Carcinogenicity Reproductive Effects: Tertogenicity Mutagenicity no known effects

Section 7 Preventative Measures

Protective Equipment

Gloves: Rubber if prolonged exposure is expected
 Respiratory: Not normally required

Eyes: Safety goggles if splashing is expected
 Footwear: Not Applicable

Leak & Spill Procedure

Ensure adequate ventilation. For small spills wipe or mop up. For large spills eliminate all sources of ignition. Control spill with absorbent; transfer to non-leaking containers.

Waste Disposal

Reclaim or dispose in accordance with local regulations.

Storage Requirements

Store in a dry and well ventilated area away from sources of ignition at temperature between 10-30C

Section 8 First Aid Measures

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse.

Eyes: Flush eyes with cool running water holding eyelids apart to ensure thorough rinsing for 15 minutes. Remove contact lenses. Seek Medical attention.

Inhalation: Move to fresh air and restore breathing, if required. Administer oxygen if breathing is difficult. See a doctor immediately.

Ingestion: INDUCE VOMITING by either giving IPECAC syrup or by placing finger at back of throat. Never give anything by mouth to a convulsing or unconscious person. See a doctor immediately.

General Advice: If irritation persists see a doctor immediately.

Section 9 Regulatory Information

WHIMS CONTROLLED: No consumer product

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