



Section 1: Chemical Product and Company Identification

Part Number(s): 10950831
Description: ACDelco Radiator Stop Leak, 350 mL
Manufacturer / Supplier: Shrader Canada Limited
Address: 830 Progress Court, Oakville, Ontario L6L 6K1
Revision Date: 2013-01-23
Product Use: Radiator puncture sealant
Chemical Family: Mixture

Section 2: Composition/Information on Ingredients

Component Name:	%	LD50 and LC50	ACGIH TWA	Ecotoxicity - Aquatic Toxicity
Ethylene glycol 107-21-1	10-30	Oral LD50 Rat: 4000 mg/kg Dermal LD50 Rabbit: 9530 µL/kg	Not available	LC50 (96 h) goldfish: 27500 mg/L. Cond: LC50 (96 h) rainbow trout: 41000 mg/L. Cond: LC50 (96 h) bluegill: 27500 mg/L. Cond: LC50 (48 h) water flea: 46300 mg/L EC50 (30 min) Photobacterium phosphoreum : 620.0 mg/L

Section 3: Hazards Identification

Ingestion: Ethylene Glycol can cause significant harmful effects if ingested. Symptoms include kidney injury, nervous system injury and death.

Inhalation: Very low volatility - not an inhalation hazard at normal temperatures. Inhalation of mist or vapours formed at high temperatures or on mixing may cause respiratory irritation. High concentrations may cause respiratory irritation and central nervous system depression with results ranging from dizziness and headache to unconsciousness.

Skin Contact: Non-irritating to a very mild skin irritant.

Eye Contact: May cause mild eye irritation.

Chronic Effects: Chronic prolonged exposures to Ethylene Glycol may cause central nervous system effects, liver and kidney damage.

Section 4: First Aid Measures

Ingestion: Do not induce vomiting. Never give anything by mouth if victim is rapidly losing consciousness, is unconscious or is convulsing. Drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention immediately.

Inhalation: Not a hazard under normal use conditions. If inhaled, remove to fresh air. If breathing is difficult give oxygen. If not breathing give artificial respiration and get medical attention immediately.

Skin Contact: Remove contaminated clothing and launder before reuse. Wash with soap and water. Seek medical attention if irritation persists.

Eye Contact: Immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower lids. Remove contact lenses if any after the initial flushing and then continue flushing.

Section 5: Fire Fighting Measures

Flash Point (°C): ≥ 111
Flame Projection: Not Applicable
NFPA Classification: Combustible Liquid, Class IIIB
Lower Explosive Limit: Not Available
Upper Explosive Limit: Not Available
Autoignition Temp. (°C): Not Available

Sensitivity to Mechanical Impact:

Not Available

Conditions of Flammability:

Essentially non-flammable. Vapours are heavier than air and may travel or be moved along the ground to an ignition source at locations distant from material handling.

Sensitivity to Static Discharge:

Not Available

Hazardous Combustion:

Carbon dioxide, carbon monoxide and other unidentified organic compounds.

Extinguishing Media:

Alcohol foam or water fog for large fires. Carbon dioxide or dry chemical for small fires. Use water spray to cool fire exposed containers and prevent bursting. Do not use a direct stream of water.

Section 6: Accidental Release Measures

Leak or Spill Procedures:

Contain spilled material. Avoid contamination of natural waterways. Wear suitable protective clothing. Follow applicable explosion and fire precautions during the response. Stop the spill at the source when safe to do so. For large spills, dike the area to prevent spreading. Pump excess to a salvage container. Absorb residues and small spills with a non-flammable absorbent material and collect adsorbate for disposal. For large quantities refer to the environmental ministry.

Section 7: Handling and Storage

Handling Procedures:

Use with adequate ventilation. Avoid breathing vapours or mist. Use good personal hygiene. Avoid smoking, eating and drinking during use. Wash with soap and water after handling.

Storage Requirements:

Store in a cool area, away from all sources of heat, ignition and incompatibles. Keep containers tightly closed when not in use. Keep from freezing.

Section 8: Exposure Controls / Personal Protection

Respiratory: Not normally required. If the TLV is exceeded, a NIOSH-approved respirator is advised.

Gloves: Rubber gloves. Polyvinyl chloride (PVC).

Eyewear: Safety glasses. Contact lenses should not be worn. They may contribute to the severity of the injury.

Clothing: Sufficient clothing to prevent skin contact.

Ventilation: Sufficient mechanical ventilation to maintain exposures below the TLV. General mechanical ventilation is not recommended as the sole means of controlling exposure. Make-up air should always be supplied to balance air exhausted.

Other protective equipment: Emergency showers and eyewash facilities should be nearby. The selection of personal protective equipment will vary depending on the conditions of use.

Section 9: Physical and Chemical Properties

Physical State:	Liquid
Color:	Clear / Colorless
Odour:	Mild
Vapour Density (Air=1):	> 1
VOC %:	0
pH:	8.0 to 11.5 (Neat)
Solubility in Water:	Completely
Specific Gravity (H2O=1):	1.0 to 1.100 @ 15°C
Viscosity:	< 14cSt @ 40°C

Section 10: Stability and Reactivity

Conditions of Instability:

Stable at ambient and moderately elevated temperatures and pressures.

Hazardous Polymerization:

Hazardous polymerization will not occur.

Hazardous Decomposition:

See hazardous combustion products.

Incompatible Materials:

Avoid strong oxidizers (e.g HOOH, HNO3). Material is reactive with hydroxyl compounds.

Conditions of Reactivity:

Explosive decomposition of ethylene glycol may occur if combined with strong acids or bases at elevated temperatures.

Section 11: Toxicological Information

Irritancy of Product:

May be mildly irritating to eyes and skin.

Sensitization to product:

Not available.

Carcinogenicity:

No components are listed as carcinogens by ACGIH, IARC, OSHA, or NTP.

Reproductive Effects:

Not Available

Teratogenicity:

Embryotoxicity and teratogenicity observed in animal studies when exposed to ethylene glycol. Doses were not toxic to the mother.

Mutagenicity:

Not Available

Synergistic Products:

Not Available

Section 12: Ecological Information

Environmental:

May be harmful to aquatic life. See composition/information on ingredients.

Biodegradability:

At very low concentrations, ethylene glycol is biodegradable in a biological wastewater treatment plant.

Section 13: Disposal Considerations

Waste Disposal: Reuse or recycling should be given priority over disposal under any circumstances. Do not dump unused contents into sewers, on the ground or into any body of water. Destroy by incineration or biological treatment according to applicable legislation. Dispose of in accordance with municipal, provincial and federal regulations.

Section 14: Transportation Information

Road shipment: Not regulated by TDGR.
Marine shipment: Not regulated by IMDG.
Air Shipment: Not regulated by IATA, ICAO.
Exemption: None required.

Section 15: Regulatory Information

WHMIS: D2A

CEPA: All components are listed on the Domestic Substances List (DSL).

CPR Compliance: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Section 16: Other Information

HMIS Rating: 200B
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