

Section 1: Chemical Product and Company Identification

Part Number(s): 10953114
Description: ACDelco Radiator Fast Flush, 350 mL
Manufacturer / Supplier: Shrader Canada Limited
Address: 830 Progress Court, Oakville, Ontario L6L 6K1
Revision Date: 2013-01-16
Product Use: Cleaner
Chemical Family: Aqueous solution.

Section 2: Composition/Information on Ingredients

Component Name:	%	LD50 and LC50	ACGIH TWA	Ecotoxicity - Aquatic Toxicity
No hazardous ingredients	60-100	Not Available	Not available	Not Available

Section 3: Hazards Identification

Ingestion: Ingestion of small amounts during normal handling are not likely to cause injury. Ingestion of large amounts will probably cause stomach irritation.

Inhalation: No hazard under normal conditions of use. High concentrations are irritating to the eyes, nose, throat and lungs.

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

Eye Contact: May cause mild eye irritation.

Chronic Effects: None known.

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: 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. Get medical attention if irritation persists.

Section 5: Fire Fighting Measures

Flash Point (°C): Not Applicable.
Flame Projection: Not Applicable
NFPA Classification: Not Applicable
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.

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 absorbant 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. Avoid skin and eye contact.

Storage Requirements:

Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Keep from freezing. Keep away from children.

Section 8: Exposure Controls / Personal Protection

Respiratory:	Not normally required. If the TLV is exceeded, a NIOSH-approved respirator is advised.
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:	Under normal conditions of use, general ventilation should be satisfactory. Local ventilation is recommended if the product is misted, or used in confined spaces or if the TLV is exceeded. 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:	Not Available
Odour:	Odourless.
Vapour Density (Air=1):	Not Available
VOC %:	0
pH:	9.5 at 5% volume
Solubility in Water:	Completely
Specific Gravity (H2O=1):	1.0 @ 15°C
Viscosity:	Not Available

Section 10: Stability and Reactivity

Conditions of Instability:

Stable at ambient temperatures and pressures.

Hazardous Polymerization:

Hazardous polymerization will not occur.

Hazardous Decomposition:

See hazardous combustion products.

Incompatible Materials:

Avoid acids and strong oxidizers such as chromates, permanganates and chlorates. Avoid aluminum, tin, zinc, copper and their alloys.

Conditions of Reactivity:

Avoid excessive heat, sparks and open flame.

Section 11: Toxicological Information

Irritancy of Product:

May be mildly irritating to eyes and skin.

Sensitization to product:

Contains no known skin or respiratory sensitizers.

Carcinogenicity:

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

Reproductive Effects:

Not Available

Teratogenicity:

Not Available

Mutagenicity:

Not Available

Synergistic Products:

Not Available

Section 12: Ecological Information

Environmental:

May be harmful to aquatic life.

Biodegradability:

Not available.

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: Not controlled.

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: 110B
Prepared By: Regulatory Compliance, Shrader Canada Limited
Information Tel #: 800-201-9486, 905-847-0222
Information Fax #: 905-847-5404

CANUTEC EMERGENCY: 613-996-6666