

## MATERIAL SAFETY DATA SHEET

<b>SECTION1: MATERIAL IDENTIFICATION AND USE</b>		FLAMMABILITY HEALTH	REACTIVITY PERSONAL PROTECTION
Material Name Identifier : R414 Fuel Injector Cleaner & Conditioner			
Manufacturer's Name: QUALITY LIQUID PACKAGING			
Address: 50 Tiffield Road Unit 9			
City: Toronto	Province: Ontario		
Postal Code: M1V 5B7	Emergency Telephone# (416) 609-0828		
Trade Name & Synonyms: Rev Fuel Injector Cleaner & Conditioner		Material Use	

## SECTION 11 – HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A or U.N Numbers	Exposure Limits	LD50 LC50
Isopropyl Alcohol	74%	67-63-0	400ppm OSHA-TWA	5045mg/kg Oral- Rat

## SECTION 111 –PHYSICAL DATA FOR MATERIAL

Physical State: Gas{ } Liquid{x} Solid{}	Odour and Appearance: Colorless Liquid-Alcoholic odour		Odour Threshold (ppm) 50ppm	Specific Gravity 0.85
Vapour Pressure: N/A	Vapour Density N/A	Evaporation Rate: N/A	Boiling Point (°C) : 85°C	Freezing Point (°C): -45°C
Solubility in Water soluble	% Volatile(by volume) 60%	PH : N/A	Density(g/m)	Coefficient of Water/Oil Distribution:

## Section 1V –FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability Yes{X} No :{ }			
Means of Extinction: Dry chemical carbon dioxide foam, Halon			
Special Producers			
Flash Point (°C)and method: 14.44°C	Upper Explosion Limit (%by volume) 12.7% at 93°C	Lower Explosion Limit (% by volume) 2%	
Auto Ignition Temperature(°C) 399°C	Flammability classifications 1B	Hazardous combustion Products.	
Explosion Data: Sensitivity to chemical impact.	Rate Of Burning	Explosive Power	Sensitivity to static discharge.

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**SECTION V-REACTIVITY DATA**

Chemical Stability	If no under which conditions.
Yes <input checked="" type="checkbox"/> No { <input type="checkbox"/> }	
Incompatibility to other substances	If so which ones?
Yes <input checked="" type="checkbox"/> No { <input type="checkbox"/> }	Strong Oxidizers.
Reactivity and under what conditions:	Explosion Hazards.
Hazardous Decomposition Products: Carbon Monoxide.	

**SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT**

Toxicity data for similar material is listed below			
Primary Route of Entry: <input checked="" type="checkbox"/> Skin contact <input checked="" type="checkbox"/> Skin absorption <input checked="" type="checkbox"/> Eye contact <input checked="" type="checkbox"/> Inhalation Acute <input checked="" type="checkbox"/> Ingestion			
Effects of Acute Exposure to Product: Contact with skin may cause slight irritation.			
Effects of Chronic Exposure to Products. Repeated or prolonged exposure may cause dermatitis due to deflating action on the skin.			
ID50 of Product (Specific species and route)	Irritancy of Product	Exposure limits of products	See section II
LC50 of Product (Specify species) <input type="checkbox"/> Carcinogenicity	Sensitization of Product Reproductive effects	Synergistic of materials Teratogenicity	Mutagenicity

**SECTION VII – PREVENTITIVE MEASURES**

<b>Personal Protection Equipment:</b> Proper Ventilation. Neoprene protective gloves should be worn. Splash proof goggles and impervious clothing.
<b>Spills and or leaks Procedures:</b> shut off ignition sources. Use absorbent material (e.g. sand, dry clay and commercially available materials.) Prevent entry into waterways and sewers and dispose of all material in accordance with your environmental legislation in your area.
<b>Storage Requirements:</b> Use tight containers keep away from open flames and other sources of heat should be kept cool. Empty containers retain residue (Liquid and/or vapor) and can be dangerous. DO NOT PRESSUREIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR SUCH CONTAINERS TO HEAT, FLAME SPARKS, STATIC ELECTRICITY OR OTHER POSSIBLE SOURCES OF IGNITION. They may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be drained properly and in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety & Health Administration regulations.

**MATERIAL SAFETY DATA SHEET****SECTION VIII – FIRST AID MEASURES**

**EYE:** Flush eyes with cold water for 15 minutes get immediate medical attention.

**SKIN:** Remove any contaminated clothing. Wash immediately with soap and water and rinse with large amounts of water.

**INHALATION:** Remove exposed person to fresh air. If breathing is labored administer oxygen, if breathing has stopped apply artificial respiration and transport to medical help immediately.

**INGESTION:** Give plenty of water or other mild drinkable fluids and call a physician immediately. Do not induce vomiting without express consent of medical personnel.

**GENERAL ADVICE:** Always employ caution and get medical help for any serious exposure.

**SECTION IX – PREPARATION DATE OF M.S.D.S.**

**THIS MSDS WAS PREPARED ON MARCH 24,2009**

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