

Salado Sales:

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MATERIAL SAFETY DATA SHEET

FUEL INJECTOR CLEANER

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: Fuel Injector Cleaner
Product Description: Gasoline Additive
CAS Registry: Mixture
Distributor: Salado Sales

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS No</u>	<u>WT. RANGE %</u>	<u>EXPOSURE LIMIT</u>
Petroleum Distillates	64742-47-8	95-100	100ppm TWA ACGIH TLV 500 ppm TWA OSHA PEL

SECTION 3 – HAZARDOUS IDENTIFICATION

Health: 1
Flammability: 2
Reactivity: 0
Special: None
0 = minimal 1= slight 2=moderate 3= serious 4= severe

Route(s) of Entry
Inhalation: Yes
Skin: Yes
Ingestion: Yes
Eyes: Yes

PRINCIPAL HAZZARDS Skin: May be irritation to the eyes, skin, and respiratory tract. May be absorbed through the skin in toxic amounts.

Effects of overexposure (con't)	Inhalation:	This material is an aspiration hazard; product can enter the lungs during swallowing or vomiting and cause lung damage. Breathing vapors or mists may cause harmful central nervous system effects including headache, dizziness, drowsiness, loss of consciousness and death.
	Ingestion:	Accidental ingestion of a small amount of this material may cause Gastrointestinal disturbances including irritation, nausea, vomiting, and diarrhea. A very large ingestion could result in headache, dizziness, coma, respiratory arrest and death.
Acute:		
Sensitization Properties:	Unknown	
Signs and Symptoms of Exposure:	See above "Effects of Overexposure."	
Medical Conditions Generally Aggravated by Long-Term Exposure:		Repeated overexposure may aggravate existing kidney disease.
Chronic Effects:		
Carcinogenicity		
NTP:	Not listed	
IARC Monographs:	Not listed	
OSHA Regulations:	Not listed	
ACGIH	Not listed	

SECTION 4 – FIRST AID MEASURES

Emergency and First Aid Procedures:	Eye contact:	Exposed eyes should be immediately flushed with copious amounts of water using a steady stream for a minimum of 15 minutes. If irritations, pain, swelling or tearing persist, seek medical attention.
	Skin contact:	Remove excess with cloth or paper towel. Wash thoroughly with soap and water. Remove soaked clothing. Seek medical attention if skin irritation or redness persists.
	Inhalation:	If symptoms of exposure develop, remove to fresh air. If breathing becomes difficult, administer oxygen. Administer artificial respiration if breathing has stopped. Seek medical attention.
	Swallowing:	Do not induce vomiting. Get immediate medical attention by calling poison Control Center or hospital emergency room. If medical advice cannot be obtained, then take the person and product to the nearest medical emergency treatment center or hospital. If vomiting occurs spontaneously, keep head blow hips to prevent aspiration into the lungs.
Note to Physicians:	Treat symptomatically	
Special Precautions/Procedures:	None known	

SECTION 5 – FIRE-FIGHTING MEASURES

Unusual Fire Fighting procedures:	None known
Flash Point:	116 F
Flash Point Method:	TCC
Burning Rate:	Not applicable
Autoignition Temperature:	Not Determined
Flammable limits in air (% by volume):	
LEL:	Not determined
UEL:	Not determined
Flammability Classification:	II
Extinguishing Media:	Use water spray, dry chemical, foam or carbon dioxide to extinguish.
Unusual Fire or Explosion Hazards:	None known
Fire-Fighting Instructions:	According to the National Fire Protection Association Guide, use water spray, dry chemical, foam or carbon dioxide. Water or foam may cause frothing. Use water spray to disperse the vapors and to provide protection for person attempting to stop the leak.
Fire-Fighting Equipment:	Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.
Unusual Fire Fighting procedures:	Not required
Other Information:	Products evolved when subjected to heat or combustion: Carbon Monoxide and Carbon Dioxide may be formed on burning in limited air supply.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Spill/Leak Procedures:	Ventilate area. Avoid breathing vapor. Wear appropriate personal protective equipment, including appropriate respiratory protection. Contain spill if possible. Wipe up or absorb on suitable material and shovel up. Prevent entry into sewers and waterways. Avoid contact with skin, eyes or clothing.
Regulatory Requirements:	Report spills as required to appropriate authorities.

SECTION 7 – HANDLING AND STORAGE

Handling Precautions	Minimum feasible handling temperatures should be maintained.
Storage Requirements:	Periods of exposure to high temperature should be minimized. Water contamination should be avoided. Product has produced birth defects in rodents. Do not store near food.

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:	Normal to maintain exposure below TLV
Respiratory Protection:	Supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. Use a NIOSH approved organic vapor and gas respirator with mist filter.
Eye Protection:	Chemical type goggles or face shield optional.
Protective Clothing/Equipment:	Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles.
Work and Hygienic Practices:	Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin areas several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
Safety Stations:	Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment:	Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.
Comments:	Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Water white to amber liquid
Boiling Point (760 mm Hg):	320-350 F
Freezing/Melting Point:	Not determined
Vapor Density (air =1):	Not determined
Percent Volatile by Volume:	90-100%
Evaporation Rate (butyl acetate =1):	Not determined
Solubility in Water (% by wt):	Negligible

SECTION 10 – STABILITY AND REACTIVITY

Stability:	Stable
Polymerization:	Does not occur
Chemical Incompatibilities:	Strong oxidizers
Conditions to Avoid:	Open flame, sources of ignition
Hazardous decomposition products:	Carbon dioxide, carbon monoxide

SECTION 11 – TOXICOLOGICAL INFORMATION

Eye Effects:	May cause eye irritation, tearing, and blurring of vision
Skin Effects:	May cause irritation, seen as localized reddening and swelling
Acute Inhalation Effects:	Excessive inhalation may cause irritation of the nose, throat, and respiratory tract. May cause harmful central nervous system effects, like euphoria, headache, blurred vision, convulsions, coma or death.
Acute Oral Effects:	Can cause irritation to mouth, throat and stomach, frequent loose stools and diarrhea.
Chronic Effects:	Liver and kidney damage in a 2 year rat feeding study. Oral administration of very high doses of product has produced birth defects in laboratory animals.
Carcinogenicity:	This product is not listed as carcinogenic or a potential carcinogen by the National Toxicology Program the I.A.R.C. monographs or by OSHA.
Mutagenicity:	No
Teratogenicity:	No

SECTION 12 – ECOLOGICAL INFORMATION

If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste Disposal Method:	Dispose of waste in accordance with Federal, State and Local laws.
Disposal Regulatory Requirements:	Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixture, processes, etc., may render the resulting material hazardous (see waste classification)
Container Cleaning and Disposal:	Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT Shipping Name:	Consumer Commodity-ORM-D
Shipping Symbols:	None
Hazard Class:	ORM-D
DOT Identification No.:	Not applicable
Packing Group:	Not applicable
Label:	Consumer Commodity-ORM-D
Special Provisions (172.102):	Not applicable
IMDG:	
Proper Shipping name:	Petroleum Distillates, n.o.s
Hazard Class:	3
Package Group:	II
Marine Pollutant:	no
IMDG Label:	Flammable Liquid
Air-IATA Shipping:	Petroleum Distillates, n.o.s, 3, UN1268, III (sizes not exceeding 500ml may be reclassified as Consumer Commodity, 9, ID8000 if they meet the packaging specifications in 910 and weight restrictions.)
Technical Name:	None
Id Number:	UN1268
Hazard Class:	3
Packing Group:	III
Lable:	Flammable Liquid
Markings:	Peroleum Distillates, n.o.s, UN1268

SECTION 15 – REGULATORY INFORMATION

U.S FEDERAL REGULATORY INFORMATION

SARA 302 Threshold Planning Quantity:	Not applicable
SARA 304 Reportable Quantity:	Not applicable
SARA TITLE III:	Section 311/312 Hazard classes: Immediate/Acute Health Effects: no Delayed/Chronic Health Effects: no Fire Hazard: yes Sudden release of Pressure Hazard: no Reactivity Hazard: no
EPA/TSCA Inventory:	The components of this product are listed on the EPA/TSCA inventory of chemicals.
SARA TITLE III	Section 313 Supplier notification: The following chemicals are subject to reporting requirements of Section 313 of Title II of the superfund Amendments and reauthorization Act of 1986 and 40 CFR part 372: none

SECTION 16 – OTHER INFORMATION

Additional Hazard Rating Systems None

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