

W SECTION 1 - MATERIAL IDENTIFICATION AND USE							
MATERIAL NAME/IDENTIFIER PORT FUEL INJECTOR GASOLINE DETERGENT						CONTROL NUMBER CN25605	
PART NUMBER(S) 89020804 12345515						FIRE : MODERATE CORROSIVE : LOW CONTACT : MODERATE HEALTH HAZARD : MODERATE	
MANUFACTURER NAME SHRADER CANADA LIMITED				SUPPLIERS NAME GENERAL MOTORS OF CANADA			
STREET ADDRESS 830 PROGRESS COURT				STREET ADDRESS 1908 COLONEL SAM DRIVE			
CITY OAKVILLE		PROVINCE/STATE COUNTRY ONTARIO CANADA		CITY OSHAWA		PROVINCE/STATE COUNTRY ONTARIO CANADA	
POSTAL CODE L6L 6K1		EMERGENCY TELEPHONE NO. 800/201-9486		POSTAL CODE L1H 8P7		EMERGENCY TELEPHONE NO. 905-644-7091	
PRODUCT DESCRIPTION PORT FUEL INJECTOR GASOLINE DETERGENT							
CHEMICAL NAME NOT AVAILABLE				TRADE NAME AND SYNONYMS 12345515 CARBURETOR CLEANER FRENCH			
CHEMICAL FAMILY MIXTURE OF HYDROCARBONS,		CHEMICAL FORMULA NOT AVAILABLE		MOLECULAR WEIGHT NOT AVAILABLE			
MATERIAL USE FOR CLEANING AND KEEPING CLEAN OF FUEL INJECTORS							
TDG SHIPPING NAME PETROLEUM DISTILLATES N.O.S				U.N. NUMBER UN1268		CLASS/DIVISION 3	
WHMIS CONTROLLED PRODUCT YES		WHMIS CLASS B - FLAMMABLE AND COMBUSTIBLE MATERIAL D - POISONOUS AND INFECTIOUS MATERIAL					
WHMIS DIVISION 3 - COMBUSTIBLE LIQUIDS 2 - MATERIALS CAUSING OTHER TOXIC EFFECTS						WHMIS SUBDIVISION B - TOXIC MATERIAL	
SECTION 2 - CHEMICAL COMPOSITION INCLUDING HAZARDOUS INGREDIENTS							
INGREDIENTS	% OR RANGE	UN, NA OR CAS NUMBER	8HR TWA EV MG/M3	15MIN STEL MG/M3	CEILING PPM	CEILING MG/M3	
STODDARD SOLVENT (VARSOL)	30-60	8052-41-3	525	1575		2625	
SOLVENT DEWAXED RESIDUAL OIL	5-10 W	64742-62-7					
RR HVI-100N	10-15 W	64742-58-1					
HYDROTREATED RESIDUAL OIL	5-10 W	64742-57-0	5.0	15		25	
LOW ODOUR ALIPHATIC HYDROCARBON	1-5 W	64742-47-6					
PETROLEUM BASESTOCK	5-10 W	72623-83-7					
SECTION 3 - PHYSICAL DATA							
BOILING POINT NOT AVAILABLE		FREEZING POINT NOT AVAILABLE		SPECIFIC GRAVITY 0.84			
VAPOUR PRESSURE NOT AVAILABLE		VAPOUR DENSITY > 1 @20°C		DENSITY NOT AVAILABLE			
SOLUBILITY IN WATER NEGLECTIBLE @10°C		% VOLATILE (BY VOLUME) NOT AVAILABLE		EVAPORATION RATE NOT AVAILABLE			
PH NOT APPLICABLE		PHYSICAL STATE LIQUID		COEFF. WATER/OIL DIST. < 1		ODOUR THRESHOLD NOT AVAILABLE	
ODOUR AND APPEARANCE AMBER LIQUID; HYDROCARBON ODOUR							
SECTION 4 - FIRE AND EXPLOSION DATA							
FLASHPOINT AND METHOD 45°C CC		LOWER EXPLOSION LIMIT NOT AVAILABLE		UPPER EXPLOSION LIMIT NOT AVAILABLE			
AUTO IGNITION TEMPERATURE NOT AVAILABLE		SENSITIVITY TO IMPACT NOT AVAILABLE		SENSITIVITY TO STATIC DISCHARGE NOT AVAILABLE			

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## FLAMMABILITY

These materials are a fire and explosion hazard when exposed to heat or flame.

## MEANS OF EXTINCTION

Use dry chemical, alcohol foam, water fog, or carbon dioxide to extinguish.  
Use water spray to cool exposed containers only.  
A stream of water may scatter the flames.  
Use water spray to cool exposed containers only.

## SPECIAL PROCEDURES

Firefighters must use self-contained breathing apparatus and full protective clothing.

## HAZARDOUS COMBUSTION PRODUCTS

Burning in air can produce toxic vapours and gases.

## SECTION 5 - REACTIVITY DATA

## CHEMICAL STABILITY

Products are stable in closed containers under normal storage and handling procedures, as specified in the Workplace MSDS.

## INCOMPATIBILITY AND REACTIVITY

Incompatible with strong oxidizing agents (eg. fluorine, chlorine, and concentrated sulphuric acid).

## HAZARDOUS DECOMPOSITION PRODUCTS

OXIDES OF CARBON & NITROGEN

## SECTION 6 - TOXICOLOGICAL PROPERTIES

## BIOLOGICAL EFFECTS

These materials present a low degree of health hazard if good work practices are observed.  
These products do not vaporize readily, however, improper use may lead to exposures sufficient to cause headaches and sore throats.  
These products are central nervous system depressants. (Levels of consciousness and mental alertness may be lowered).  
Repeated inhalation of excessively high concentrations of mists or vapours of these materials may cause liver and kidney damage.  
Repeated or prolonged contact with these materials may cause dermatitis.

## LD50 OF MATERIAL

NOT AVAILABLE

## LC50 OF MATERIAL

NOT AVAILABLE

## IRRITANCY OF MATERIAL

MODERATELY IRRITATING TO EYES AND SKIN

## SENSITIZING CAPACITY OF MATERIAL

NOT AVAILABLE

## SYNERGISTIC MATERIALS

NOT AVAILABLE

## CARCINOGENICITY OF MATERIAL

Does not contain any ingredient(s) that are designated carcinogens according to WHMIS criteria.

## REPRODUCTIVE EFFECTS OF MATERIAL

NOT AVAILABLE

## TERATOGENICITY

NOT AVAILABLE

## MUTAGENICITY

NOT AVAILABLE

## SECTION 7

## EFFECTS OF ACUTE EXPOSURE TO MATERIAL

## FIRST AID MEASURES

## ROUTE OF EXPOSURE: INHALATION

Inhalation of vapours above the Employee Exposure Guidelines may result in headache, dizziness, and nausea.  
Extreme overexposure may result in intoxication and narcosis (drowsiness).

## FIRST AID

Remove to fresh air.  
Restore or support breathing if required.  
Seek medical attention.

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## ROUTE OF EXPOSURE: SKIN

Prolonged or repeated exposure may cause skin irritation and defatting. This may result in cracking and dermatitis. These materials when in contact with the skin for prolonged periods of time (eg. wearing soaked clothing) may cause skin burns.

Wash exposed area with soap and warm water.  
If clothing is soaked, remove and flush affected areas with water.  
If irritation persists, seek medical attention.

## ROUTE OF EXPOSURE: EYES

Eye contact with the liquid produces irritation and pain.  
Eye contact with the liquid may produce conjunctivitis (an inflammation of the inner eyelid).

IMMEDIATELY flush eyes with copious quantities of water while holding eyelids open with the thumb and forefinger. Continue for 15 minutes. Seek medical attention, after flushing.

## ROUTE OF EXPOSURE: INGESTION

Ingestion can produce gastrointestinal irritation.  
Difficult breathing, pulmonary edema (fluid in the lungs), and severe lung irritation may result if vomiting occurs after ingestion and the material is aspirated (drawn into) the lungs.  
Estimated adult lethal dose - 3 to 4 oz, without aspiration.

Seek IMMEDIATE medical attention.  
DO NOT induce vomiting.  
Give 3 or more glasses of milk or water to drink, ONLY if the victim is conscious.

## SECTION 8 - PREVENTIVE MEASURES

## PERSONAL PROTECTIVE EQUIPMENT

## GLOVES

Seamless neoprene or nitrile rubber gloves must be worn when handling these materials.

## RESPIRATORY PROTECTION

If requested, an approved NIOSH half mask air-purifying respirator with organic vapour cartridges can be worn (TC-23C).

## EYE PROTECTION

Where splashing may occur use chemical safety goggles or a face shield to prevent eye contact.

## FOOTWEAR

## CLOTHING

Where splashing may occur use a rubber apron or protective clothing and rubber boots to prevent contact.

## OTHER

## ENGINEERING CONTROLS

## LEAK AND SPILL PROCEDURE: SMALL SPILLS

For small spills, remove all sources of ignition.

Ventilate area.

Contain spill.

Avoid contact with these materials.

Personnel working on a clean up of a spill must wear chemical safety goggles and seamless nitrile rubber gloves.

Absorb spill with an inert absorbent such as clay or "speedi dri".

DO NOT absorb with wood shavings or sawdust.

Shovel up and place in appropriate, vented, labelled container.

Avoid inhalation of vapours.

If requested by an employee, use NIOSH/MSHA approved respirator for organic vapours (NIOSH TC-23C).

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## LEAK AND SPILL PROCEDURE: LARGE SPILLS

For large spills inform safety personnel and Environmental Engineering Department.

Contain spill.

Ventilate area to avoid airborne concentration build-up. Unprotected employees should be excluded from the spill area during clean up.

Eliminate all sources of ignition.

Avoid prolonged or repeated contact with these materials.

Use self-contained or air-supplied breathing apparatus (NIOSH TC 13 F) in conjunction with chemical safety goggles or face shield, rubber gloves, rubber apron or protective clothing, and rubber boots.

Absorb spill with an inert absorbent such as clay or "speedi dri".

DO NOT absorb with wood shavings or sawdust.

Shovel up and place in appropriate, vented, labelled container.

Material should not be allowed to enter a confined space, such as a sewer, because of the possibility of an explosion.

Prevent leakage into sewers and watercourses.

## WASTE DISPOSAL

Dispose of in accordance with Local, Provincial or Federal regulations as applicable.

## HANDLING PROCEDURES AND EQUIPMENT

Exposure to vapours or mists of these products at levels above the Employee Exposure Guidelines may cause irritation, therefore avoid generating mists or vapours of these materials.

Avoid exposures to temperatures above 40C/105F.

Avoid breathing mists or vapours.

Avoid prolonged or repeated skin contact.

Avoid eye contact.

Use labelled safety cans for handling small amounts.

Use ONLY Class 1, Division 1, Group D electrical tools in area of handling.

Do not smoke in area of handling.

Employees who handle these materials must wash their hands with soap and water thoroughly before eating, smoking, or using toilet facilities.

Do not use these materials in a confined space unless the confined space entry procedure is followed.

If clothing becomes contaminated, remove and do not reuse until laundered.

Cloths, rags, or paper towels wet with these materials should be disposed of into specially marked, closed containers supplied for that purpose.

## STORAGE REQUIREMENTS

Store in a cool, dry, well ventilated area, away from sources of heat and ignition.

Store away from strong acids.

Store away from strong oxidizing agents ( eg. fluorine, chlorine, and concentrated sulphuric acid ).

Insure that the containers are tightly closed.

Protect containers from physical damage.

Store only in labelled containers.

Containers of this material may be hazardous when empty. Since empty containers retain residues (vapour, liquid) all hazard precautions on this Workplace MSDS must be observed.

Do not use empty containers for any other purpose.

## COMMENTS

## SECTION 9 - PREPARATION INFORMATION

## PREPARED BY:

GENERAL MOTORS OF CANADA INDUSTRIAL HYGIENE

## PHONE NUMBER

(905) 644-6013

## DATE

05-30-06