

<b>Prod. Name:</b> Camshaft & Lifter Pre-Lube <b>Manufacturer:</b> VALSPAR CORPORATION <b>Supplier:</b> GM of Canada - Oshawa <b>HMCS ID:</b> 355525 <b>SUC:</b> 04 - Metal Working Fluids and Lubricants	<b>MATERIAL SAFETY DATA SHEET</b>	<b>Revision:</b> 27.Apr.2006 <b>Effective:</b> 07.Jun.2001 <b>Print Date:</b> 26.Nov.2007 <b>Page:</b> 1 of 6
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**1 PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT INFORMATION**

Product Name: Camshaft & Lifter Pre-Lube

**External Keys:**

CN35425	GM of Canada Approval Number
12345501	Distributable Material (Part #)
88862586	Distributable Material (Part #)
88862587	Distributable Material (Part #)
10-4021	Distributable Material (Part #)

**MANUFACTURER INFORMATION**

Manufacturer: VALSPAR CORPORATION

**Address:**

411 NORTH DARLING USA MICHIGAN 49412 FREMONT

**Communication Lines:**

Phone	231-924-3950	
Phone	231-924-3950	EMERGENCY INFO

MAILING

**SUPPLIER INFORMATION**

Supplier: GM of Canada - Oshawa

**Address:**

1908 Colonel Sam Drive CAN ON L1H8P Oshawa 7

Mailing

**Comment:**

As of 4/27/06, the MSDS dated 6/7/01 is the most recent per manufacturer.

PREPARED BY: Steve Eckert.

**2 INGREDIENT INFORMATION**

**FORMULATION**

**Ingredients:**

Chemical Name	CAS Number	Prefix	Value	Unit	Exposure Limits
PROPENE, 2-METHYL-POLYMERS	9003-27-4	<	5	%Wt	No
MINERAL OIL, PETROLEUM DISTILLATES,	64742-52-5	<	69	%Wt	Yes
HYDROTREATED (severe) HEAVY NAPHTHENIC MINERAL OIL, PETROLEUM DISTILLATES,	64742-53-6	<	69	%Wt	Yes
HYDROTREATED (severe) LIGHT NAPHTHENIC MINERAL OIL, PETROLEUM DISTILLATES,	64742-54-7	<	69	%Wt	No
HYDROTREATED (severe) HEAVY PARAFFINIC MINERAL OIL, PETROLEUM DISTILLATES,	64742-65-0	<	69	%Wt	Yes
SOLVENT-DEWAXED HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment) MINERAL OIL, PETROLEUM DISTILLATES, CATALYTIC DEWAXED	64742-70-7	<	69	%Wt	No
HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment) Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	68649-42-3	Range	1 - 10	%Wt	No

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Chemical Name	CAS Number	Prefix	Value	Unit	Exposure Limits
Benzenesulfonic acid, mono-C15-30-branched alkyl and di-C11-13-branched and linear alkyl derivs., calcium salts, overbased	71486-79-8	Range	30 - 40	%Wt	No

Comment: (64742-52-5, 64742-53-6, 64742-54-7, 64742-65-0 and 64742-70-7) together comprise <69% of the product.

### 3 HAZARDS IDENTIFICATION

**Specific Hazards:**  
 PRIMARY ROUTES OF ENTRY: ORAL: YES. INHALATION: NO. SKIN ABSORPTION: NO.  
**Specific Hazards (Routes Of Exposure):**

Exposure Routes	Exposure Duration	Observation
Skin Contact	General	MAY CAUSE SKIN IRRITATION. MAY CAUSE EYE IRRITATION.
Eye Contact	General	

**Medical Conditions Aggravated By Exposure:**  
 NOT PROVIDED.

**Comment:**  
 Additional Health Hazard Data: CHRONIC HAZARDS: HEALTH STUDIES HAVE SHOWN THAT MANY CHEMICALS POSE HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. INTENTIONAL MISUSE BY DELIBERATE CONCENTRATION AND INHALATION MAY BE HARMFUL OR FATAL. AS A PRECAUTION, EXPOSURE TO LIQUIDS OR VAPORS SHOULD BE MINIMIZED.

### 4 FIRST AID MEASURES

First Aid By:	Procedure
Inhalation	REMOVE TO FRESH AIR AT ONCE. APPLY ARTIFICIAL RESPIRATION IF NECESSARY. CONTACT PHYSICIAN IMMEDIATELY.
Skin Contact	REMOVE CONTAMINATED CLOTHING AND SHOES. WASH WITH MILD SOAP AND WATER. APPLY SKIN CREAM FOR IRRITATION. CONTACT PHYSICIAN IF IRRITATION PERSISTS.
Eye Contact	FLUSH WITH RUNNING WATER FOR 15 MINUTES, HOLDING LID OPEN TO EXPOSE EYE SURFACE. CONTACT PHYSICIAN.
Ingestion	DO NOT INDUCE VOMITING. CONTACT PHYSICIAN IMMEDIATELY.

### 5 FIRE FIGHTING MEASURES

**Flash Point:**  
 > 390 F COC.

**Explosive Limits:**

Lower Explosive Limit (LEL)	Not Determined
Upper Explosive Limit (UEL)	Not Determined

**Autoignition Temperature:**  
 Not Determined

**Extinguishing Media:**  
 FOAM, DRY CHEMICAL, CARBON DIOXIDE.

**Fire and Explosion Hazards:**  
 PRESSURE MAY DEVELOP IN CLOSED CONTAINERS IF OVERHEATED.

**Special Fire Fighting Procedures:**  
 USE SCBA. WATER IS NOT SUITABLE AS AN EXTINGUISHING MEDIA, BUT MAY BE USED TO COOL NEARBY CONTAINERS.

### 6 ACCIDENTAL RELEASE MEASURES

#### SPILL OR LEAK PROCEDURES

**Recovery:**  
 Remove ignition sources. Dike and take up with absorbent material. Ensure adequate ventilation.

### 7 HANDLING AND STORAGE

#### HANDLING

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**Safe Handling Procedures:**  
 KEEP CONTAINERS CLOSED WHEN NOT IN USE.  
 OTHER PRECAUTIONS: AVOID BREATHING VAPORS OR MISTS; PROLONGED OR REPEATED SKIN CONTACT.

**STORAGE**  
**Storage Conditions:**  
 DO NOT USE OR STORE NEAR OPEN FLAME OR STRONG OXIDIZERS.

**B EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Measures:**  
 ADEQUATE TO MAINTAIN LEVEL BELOW ESTABLISHED STANDARDS. LOCAL EXHAUST: YES. RATE: >60 FPM. MECH. (GENERAL): NO.

**EXPOSURE LIMITS**

**Limit Values:**

Chemical Name	CAS Number	Type	Value	Specificati on	Source
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) HEAVY NAPHTHENIC	64742-52-5	TLV-TWA	5mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) HEAVY NAPHTHENIC	64742-52-5	TLV-STEL	10mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) HEAVY NAPHTHENIC	64742-52-5	GM OEG-TWA	5mg/m3	-	GM Occupational Exposure Guidelines (OEG)
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) HEAVY NAPHTHENIC	64742-52-5	GM OEG-STEL	10mg/m3	-	GM Occupational Exposure Guidelines (OEG)
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) HEAVY NAPHTHENIC	64742-52-5	PEL-TWA	5mg/m3	-	OSHA - Permissible Exposure Limits (PELs)
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) LIGHT NAPHTHENIC	64742-53-6	TLV-TWA	5mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) LIGHT NAPHTHENIC	64742-53-6	TLV-STEL	10mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
MINERAL OIL, PETROLEUM DISTILLATES, HYDROTREATED (severe) LIGHT NAPHTHENIC	64742-53-6	PEL-TWA	5mg/m3	-	OSHA - Permissible Exposure Limits (PELs)
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment)	64742-65-0	TLV-TWA	5mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment)	64742-65-0	TLV-STEL	10mg/m3	-	Threshold Limit Values

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Chemical Name	CAS Number	Type	Value	Specification	Source
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment)	64742-65-0	GM OEG-TWA	5mg/m3	-	(TLVs) - ACGIH GM Occupational Exposure Guidelines (OEG)
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment)	64742-65-0	GM OEG-STEL	10mg/m3	-	GM Occupational Exposure Guidelines (OEG)
MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIC (severe solvent-refining and/or hydrotreatment)	64742-65-0	PEL-TWA	5mg/m3	-	OSHA - Permissible Exposure Limits (PELs)

**PERSONAL PROTECTIVE EQUIPMENT**  
**Personal Protective Equipment (PPE):**  
 Eye Protection: FACE SHIELD OR SAFETY GLASSES RECOMMENDED.  
 Respiratory Protection: NONE REQUIRED IN NORMAL USE.  
 Skin Protection: NONE REQUIRED IN NORMAL USE.  
 Hand Protection: CHEMICAL RESISTANT.

**Hygiene Measures:**  
 BASIC GOOD HOUSEKEEPING. WASH HANDS BEFORE EATING OR SMOKING. SMOKE ONLY IN DESIGNATED AREAS.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

**APPEARANCE**

Physical State: Liquid.  
 Color: Dark  
 Odor: PETROLEUM ODOR.

**PHYSICAL PROPERTIES**

pH Value:  
 Not Determined  
 Changes of State:  
 Boiling Point: Not Determined  
 Vapor Pressure:  
 < 1  
 Vapor Density:  
 > 1 (AIR=1).  
 Specific Gravity:  
 = 1.025 TYPICAL.  
 Solubility:  
 Water: NO.  
 Total Amount Of:  
 Percent Volatile by Volume: Not Determined

Additional Chemical and Physical Data:

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WATER REACTIVE: No

**10 STABILITY AND REACTIVITY**

**STABILITY INFORMATION**

Stability Under Normal Conditions: Stable  
 Conditions to Avoid:  
 Heat, sparks, open flame.  
 Incompatible Materials:  
 Strong oxidizers like chlorine or concentrated oxygen.  
 Hazardous Polymerization:  
 No. Conditions to Avoid: None known.

**HAZARDOUS DECOMPOSITION**

Reactions:  
 Type of Reaction: Decomposition      Reaction Products: Combustion may produce carbon monoxide, other undetermined oxides and fumes.

**11 TOXICOLOGICAL INFORMATION**

**SCIENTIFIC OBSERVATIONS**

**LETHAL LIMIT VALUES**

Product Data:

Exposure Routes	Type	Prefix	Value	Unit	Comment
Ingestion	LDS0	>	5,000	mg/kg	Oral toxicity is quite low.

**CLASSIFICATION OF INGREDIENTS**

Carcinogenicity:  
 CARCINOGENIC LISTING: NTP: NO. IARC: NO. ACGIH: NO.

**12 ECOLOGICAL INFORMATION**

**13 DISPOSAL CONSIDERATIONS**

Waste Disposal Information:  
 COMPLY WITH ALL APPLICABLE REGULATIONS.

**14 TRANSPORT INFORMATION**

DOT Information:  
 DOT PRECAUTIONARY LABEL: None required  
 DOT Shipping Name:  
 None assigned  
 DOT Hazard Class:  
 Not hazardous under DOT regulations.  
 DOT UN Code:  
 None assigned.  
 DOT Packing Group:  
 None required  
 Comment:  
 IMO/IATA ID NUMBER: NONE ASSIGNED BY IMO OR IATA.  
 IMO/IATA HAZARD CLASS: NOT HAZARDOUS UNDER IMO OR IATA REGULATIONS.  
 IMO SHIPPING NAME: NONE ASSIGNED.  
 IATA SHIPPING NAME: NONE ASSIGNED.  
 IMO/IATA PRECAUTIONARY LABEL: NONE REQUIRED BY IMO OR IATA.  
 IMO/IATA PACKING GROUP: NONE ASSIGNED BY IMO OR IATA.  
 IMO PAGE NUMBER: NOT APPLICABLE.  
 MARINE POLLUTANT: NO.  
 IN CASE OF TRANSPORTATION EMERGENCY, CALL CHEMTREC 1-800-424-9300.

**15 REGULATORY INFORMATION**

**LABELLING**

Hazard Codes:

HMIS Reactivity	0
HMIS Health	2

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HMIS Flammability 1  
 NFPA Flammability 1  
 NFPA Health 2  
 NFPA Reactivity 0

**Comment:**  
 NFPA assigned by General Motors Technical Review.

**NATIONAL REGULATIONS**

SARA 311/312: No  
 SARA 313: Yes  
 Immediate Health: No  
 Delayed Health: No  
 Fire: No  
 Sudden Pressure Release: No  
 Reactive: No  
 Other Regulation:  
 TSCA

SARA 313

ALL COMPONENTS ARE EITHER ON OR  
 EXEMPT FROM THE TSCA INVENTORY.  
 Inherited from ingredient list.

**16 OTHER INFORMATION**

**Comments:**  
 ADDITIONAL EXPOSURE LIMITS: GM Occupational Exposure Guidelines (OEG) and State-TWA's were provided by General Motors.