

Prod.Name: 12345996 HI TEMP GREASE
Manufacturer: VALSPAR CORPORATION
Supplier: GM of Canada - Oshawa
HMCS ID: 1183576
SUC: 04 - Metal Working Fluids and Lubricants

MATERIAL SAFETY DATA SHEET

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Effective: 09.Apr.2007
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1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT INFORMATION

Product Name: 12345996 HI TEMP GREASE
Recommended Use:
 None specified.

External Keys:

- 12345996 Distributable Material (Part #)
- High Temperature Grease Primary Tradename - Distributable Material
- 10-4009 Distributable Material (Part #)
- 88900336 SPO Catalog Discontinued
- 12345997 Distributable Material (Part #)
- 10953482 Distributable Material (Part #)
- 10953501 Distributable Material (Part #)
- CN31069 GM of Canada Approval Number
- 10-4048 Distributable Material (Part #)

MANUFACTURER INFORMATION

Manufacturer: VALSPAR CORPORATION
Address:

411 NORTH DARLING USA MICHIGAN 49412 FREMONT MAILING

Communication Lines:

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

SUPPLIER INFORMATION

Supplier: GM of Canada - Oshawa
Address:

1908 Colonel Sam Drive CAN ON L1H8P7 Oshawa Mailing

2 INGREDIENT INFORMATION

FORMULATION

Ingredients:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Exposure Limits</u>
PROPRIETARY ADDITIVE	989987-67-9	<	34	% Wt	No
OIL	989903-10-7	Range	65-70	% Wt	No
ZINC OXIDE	1314-13-2	Range	1-5	% Wt	Yes

Comment:

If this section is blank there are no hazardous components per OSHA guidelines.

3 HAZARDS IDENTIFICATION

Specific Hazards:

Primary Routes of Exposure: Inhalation, Ingestion, Skin absorption.

Specific Hazards (Routes Of Exposure):

<u>Exposure Routes</u>	<u>Exposure Duration</u>	<u>Observation</u>
Eye Contact	General	Moderate eye irritation
Skin Contact	General	Causes skin irritation.
Ingestion	General	None known.
Inhalation	General	Causes respiratory tract irritation. Harmful by inhalation.

Medical Conditions Aggravated By Exposure:

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3 HAZARDS IDENTIFICATION

Medical Conditions Aggravated By Exposure:

Any respiratory or skin condition.

Additional Health Hazard Data:

CHRONIC HAZARDS: Health studies may vary from person to person. Intentional misuse b 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::

Inhalation	Move injured person into fresh air and keep person calm under observation. Get medical attention immediately.
Skin Contact	Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention, if symptoms develop or persist.
Eye Contact	Get medical attention, if symptoms develop or persist. Immediately flush eye(s) with plenty of water. Remove any contact lenses and open eyes wide apart.
Ingestion	Get medical attention if symptoms occur.

Notes To Physician:

Any respiratory or skin condition.

5 FIRE FIGHTING MEASURES

Flash Point:

> 450 °F 232°C

Explosive Limits:

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

Autoignition Temperature:

Not Determined

Extinguishing Media:

Carbon dioxide, dry chemical, foam and/or water fog.

Fire and Explosion Hazards:

None known.

Special Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear. Keep containers and surroundings cool with water spray.

6 ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN CASE OF ACCIDENTAL RELEASE

Personal Precautions:

Avoid contact with eyes.

SPILL OR LEAK PROCEDURES

Recovery:

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

7 HANDLING AND STORAGE

STORAGE

Storage Conditions:

Keep container closed when not in use.

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8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

Ventilation: Use only in well-ventilated areas. Ensure adequate ventilation, especially in confined areas.

EXPOSURE LIMITS

Limit Values:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Type</u>	<u>Value</u>	<u>Specification</u>	<u>Source</u>
ZINC OXIDE	1314-13-2	GM OEG -TWA	2mg/m3	-	GM Occupational Exposure Guidelines (OEG)
ZINC OXIDE	1314-13-2	TLV- TWA	5mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
ZINC OXIDE	1314-13-2	TLV- STEL	10mg/m3	-	Threshold Limit Values (TLVs) - ACGIH
ZINC OXIDE	1314-13-2	State- TWA	10mg/m3	-	MICHIGAN
ZINC OXIDE	1314-13-2	State- TWA	10mg/m3	-	NEW YORK
ZINC OXIDE	1314-13-2	State- TWA	10mg/m3	-	TENNESSEE
ZINC OXIDE	1314-13-2	GM OEG -STEL	10mg/m3	-	GM Occupational Exposure Guidelines (OEG)
ZINC OXIDE	1314-13-2	PEL- TWA	5mg/m3	-	OSHA - Permissible Exposure Limits (PELs)

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment (PPE):

- Respiratory Protection: Wear appropriate, properly fitted respirator (NIOSH approved) during spray application or in other situation where mists may be generated unless air monitoring vapor mist levels are below applicable limits- where applicable limits have been established. When respirators are used, follow respirator manufacturer's directions for use.
- Hand Protection: Appropriate chemical resistant gloves should be worn.
- Eye Protection: Wear safety glasses or goggles to protect against exposure.

Special Precautions:

Other Personnel Protection Data: Ensure that eyewash stations and safety showers are close to the workstation location.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Odor: Normal for this product type.

Comment:

Physical State: liquid

PHYSICAL PROPERTIES

pH Value:

Not
Determined

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9 PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL PROPERTIES

Changes of State:

Boiling Point Not Determined

Vapor Pressure:

Not Determined

Vapor Density:

= 14 (Air=1)

Evaporation Rate:

Not Determined butyl acetate = 1.0

Density:

Density = 7.61 lb/gal

Specific Gravity:

= 0.914 Typical.

Solubility:

WATER: Negligible Lss than 0.1%

10 STABILITY AND REACTIVITY

STABILITY INFORMATION

Stability Under Normal Conditions: Stable

Conditions to Avoid:

None known.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Polymerization:

None anticipated.

Comment:

Sensitivity to static discharge: Sensitivity to static discharge is not expected.

HAZARDOUS DECOMPOSITION

Reactions:

<u>Type of Reaction</u>	<u>Reaction Products</u>
Decomposition	Carbon monoxide and carbon dioxide. Oxides of sulfur. Nitrogen compounds.

11 TOXICOLOGICAL INFORMATION

SCIENTIFIC OBSERVATIONS

LETHAL LIMIT VALUES

Data By Chemical:

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Exposure Routes</u>	<u>Type</u>	<u>Prefix</u>	<u>Value</u>	<u>Unit</u>	<u>Species</u>	<u>Comment</u>
PROPRIETARY ADDITIVE	989987-67-9	Inhalation	LC50	=	2.18	mg/l	Rat	4 H
PROPRIETARY ADDITIVE	989987-67-9	dermal	LD50	>	2000	mg/kg	Rabbit	
PROPRIETARY ADDITIVE	989987-67-9	oral	LD50	>	5000	mg/kg	Rat	
ZINC OXIDE	1314-13-2	oral	LD50	>	5000	mg/kg	Rat	

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11 TOXICOLOGICAL INFORMATION

CLASSIFICATION OF INGREDIENTS

Carcinogenicity:

CARCINOGENIC LISTING: NTP: No. IARC: No. ACGIH: No.

12 ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT

Comment:

No information on ecology is available.

13 DISPOSAL CONSIDERATIONS

Waste Disposal Information:

Disposal should be made in accordance with federal, state and local regulations.

14 TRANSPORT INFORMATION

DOT Shipping Name:

PAINT ADDITIVE, NOT REGULATED

Comment:

U.S. Highway & Rail Shipments: The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

International Air Transport Association (IATA):

Proper Shipping Name: Contact Supplier for further information.

International Maritime Organization (IMO):

Proper Shipping Name: Contact Supplier for further information.

15 REGULATORY INFORMATION

LABELLING

Hazard Codes:

NFPA Health	1
NFPA Flammability	1
NFPA Reactivity	0
HMIS Health	1
HMIS Flammability	1
HMIS Reactivity	0
HMIS PPE	X

Comment:

NFPA assigned by General Motors Technical Review.

NATIONAL REGULATIONS

SARA 311/312: Yes

SARA 313: No

Immediate Health: Yes

Delayed Health: No

Fire: No

Sudden Pressure Release: No

Reactive: No

Other Regulation:

SARA 313:

ZINC OXIDE 1314-13-2: YES

TSCA:

All components of this product are in compliance with U.S. TSCA Chemical Substance Inventory Requirements.

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15 REGULATORY INFORMATION

STATE/LOCAL REGULATIONS

Comment:

Right to Know: The specific chemical identity of a component may be withheld as a trade secret under 34 Pennsylvania Code, Chapter 317.

Pennsylvania Right To Know:

PROPRIETARY OIL: Trade Secret

ZINC OXIDE: 1314-13-2

16 OTHER INFORMATION

Comments:

Additional Exposure Limits: GM Occupational Exposure Guidelines (OEG) and State-TWA's were provided by General Motors.