



# Material Safety Data Sheet

Revision Date 23-Mar-2011

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** P50070  
**Product name** WHITE GREASE 11.25 OZ NW  
**Recommended Use** Lubricant

**Supplier** Kent Automotive  
6200 Oak Tree Blvd.  
Independence, OH 44131  
(800) 458-3222

**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Flammable. Irritant. May be harmful if swallowed.

### Aggravated Medical Conditions

None Known.

### Principal Routes of Exposure

Inhalation. Eyes. Skin contact.

### Potential health effects

- Eyes** May cause the following effects: Irritation, Redness, Itching, Burning sensation.
- Skin** Repeated or prolonged exposure may cause: Skin Irritation, Redness, Itching, Burning sensation.
- Inhalation** Repeated or prolonged exposure may cause the following effects. Headaches, Dizziness, Nausea, Upper respiratory tract irritation, Central nervous system effects, Loss of coordination, Extreme overexposure may cause, Possible unconsciousness, Death, Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.
- Ingestion** May be harmful if swallowed.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	10-30
Butane	106-97-8	3-7
Paraffin Oil	8012-95-1	10-30
Paraffinic Mineral Oil	8042-47-5	3-7

Cyclohexane	110-82-7	0.5-1.5
Zinc oxide	1314-13-2	0.5-1.5
Hexane	110-54-3	15-40
Isohexane Isomers	107-83-5	7-13
3-Methylpentane	96-14-0	1-5
2,3-Dimethylbutane	79-29-8	1-5
2,2-Dimethylbutane	75-83-2	0.5-1.5

## 4. FIRST AID MEASURES

- Eye contact** Flush with plenty of water for at least 15 minutes. Seek medical attention.
- Skin contact** Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
- Ingestion** Do not induce vomiting. Immediate medical attention is required.
- Inhalation** Remove from exposure. Restore breathing. Keep warm and quiet. Consult a physician.

## 5. FIRE FIGHTING MEASURES

**Flash point °C** < -17  
**Flash point °F** < 0  
**Method** No information available

**Autoignition temperature °C** No data available  
**Autoignition temperature °F** No data available

**Flammability Limits (% in Air)**  
**Upper** 9.5  
**Lower** 1.0

**Suitable extinguishing media**  
Carbon dioxide (CO2), Dry chemical, Foam.

### Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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**Fire and Explosion Hazards**

Containers may vent or burst under extreme or prolonged fire conditions. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. Contact with open flame or hot surfaces may generate toxic fumes. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Sensitivity to shock**

No information available.

**Sensitivity to static discharge**

No information available.

Paraffinic - Mineral Oil		-	-	-
3-Methylpentane		-	-	-
2,3-Dimethylbutane		-	-	-
2,2-Dimethylbutane		-	-	-
Cyclohexane	1050 mg/m <sup>3</sup> 300 ppm	-	100 ppm	-
Zinc oxide	15 mg/m <sup>3</sup> total 5 mg/m <sup>3</sup>	-	2 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protective equipment.

**Methods for cleaning up**

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Soak up with inert absorbent material.

**7. HANDLING AND STORAGE**

**Handling**

Ensure adequate ventilation. Turn off other sources of ignition prior to use and until all vapors have dissipated. Vapors may accumulate readily and may ignite explosively. Remove all sources of ignition. Keep away from open flame. Do not smoke. Check to make sure that all equipment is properly grounded and installed to satisfy electrical classification requirements. Ground and bond containers when transferring material. Contents under pressure. Do not puncture or incinerate. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of reach of children.

**Storage**

Store in temperatures below 120 degrees F.

**Ventilation and Environmental Controls**

Local: recommended. Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. General: as necessary.

**Hygiene measures**

Wash hands before breaks and immediately after handling the product.

**Other precautions**

Avoid contact with the skin and the eyes. Avoid breathing vapors or mists.

**Respiratory protection**

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

**Hand Protection**

Gloves are not required in normal use. The following gloves are recommended for prolonged or repeated contact: . Chemical resistant gloves.

**Eye protection**

Avoid contact with eyes. Wear safety glasses with side shields.

**Skin and body protection**

None necessary under normal conditions

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Hexane	1800 mg/m <sup>3</sup> 500 ppm	-	50 ppm	N/D
Paraffin Oil	5 mg/m <sup>3</sup>	-	5 mg/m <sup>3</sup> sampled by method that does not collect vapor	10 mg/m <sup>3</sup> sampled by method that does not collect vapor
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
Isohexane Isomers	-	-	-	-
Butane	800 ppm	-	1000 ppm	-

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Aerosol
Color	White
Odor	None
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	0.69
Vapor pressure	No data available
Density	576 lb/gal; 690 g/l
Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	68%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 68
Boiling point/range °F	< 0 - 156
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	< -17

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

Flash point °F < 0

**10. STABILITY AND REACTIVITY**

**Stability**  
Stable.

**Conditions to avoid**  
None known.

**Incompatibility**  
None.

**Hazardous Decomposition Products**  
Carbon dioxide. Carbon monoxide.

**Polymerization**  
Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Hexane 110-54-3	25 g/kg	3000 mg/kg	48000 ppm
Paraffin Oil 8012-95-1	-	-	-
Propane 74-98-6	-	-	658 mg/L
Isohexane Isomers 107-83-5	-	-	-
Butane 106-97-8	-	-	658 mg/L
Paraffinic Mineral Oil 8042-47-5	5000 mg/kg	-	-
3-Methylpentane 96-14-0	-	-	-
2,3-Dimethylbutane 79-29-8	-	-	-
2,2-Dimethylbutane 75-83-2	-	-	-
Cyclohexane 110-82-7	5000 mg/kg	2000 mg/kg	13.9 mg/L
Zinc oxide 1314-13-2	5000 mg/kg	-	-

**Synergistic Products** None known

**Specific Hazards** Hexane has been reported to affect the central nervous system and may damage peripheral nerve tissue.

**Potential health effects**

**Sensitization** None known

**Chronic toxicity** None known

**Mutagenic effects** None known

**Teratogenic effects** None known

**Reproductive toxicity** None known

**Target Organ Effects** Prolonged or repeated occupational overexposure may affect the following: Brain, Nervous system.

**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Paraffin Oil	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isohexane Isomers	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Paraffinic Mineral Oil	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
3-Methylpentane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2,3-Dimethylbutane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2,2-Dimethylbutane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Cyclohexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Zinc oxide	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

**Hexane**

**Water Flea Data**  
water flea hEC50 48 (3.87 mg/L)

**Cyclohexane**

**Microtox Data**  
Photobacterium phosphoreum EC50=85.5 mg/L (5 min)  
Photobacterium phosphoreum EC50=93 mg/L (10 min)

**Water Flea Data**  
water flea hEC50 48 (400.0 mg/L)

**13. DISPOSAL CONSIDERATIONS**

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**Disposal Information**

As supplied, this product is a RCRA Hazardous Waste . Waste must be tested for ignitability to determine EPA hazardous waste numbers. Do not puncture or incinerate. Depressurize before disposal.

**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

Zinc oxide	X	X	-	X
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**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

**14. TRANSPORTATION INFORMATION**

**DOT**

Consumer commodity, ORM-D

**TDG**

UN1950 AEROSOLS, flammable, 2.1

**15. REGULATORY INFORMATION**

**US EPA SARA 313**

Chemical Name	US EPA SARA 313 Emission Reporting
Hexane	Listed
Cyclohexane	Listed
Zinc oxide	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Hexane	Listed	Listed	Not Listed
Paraffin Oil	Not Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Isohexane Isomers	Not Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Paraffinic Mineral Oil	Not Listed	Not Listed	Not Listed
3-Methylpentane	Not Listed	Listed	Not Listed
2,3-Dimethylbutane	Not Listed	Listed	Not Listed
2,2-Dimethylbutane	Not Listed	Listed	Not Listed
Cyclohexane	Listed	Listed	Not Listed
Zinc oxide	Listed	Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Hexane	X	X	-	X
Paraffin Oil	X	X	-	X
Propane	X	X	-	X
Isohexane Isomers	X	X	-	X
Butane	X	X	-	X
Paraffinic Mineral Oil	X	X	-	X
3-Methylpentane	X	X	-	X
2,3-Dimethylbutane	X	X	-	X
2,2-Dimethylbutane	X	X	-	X
Cyclohexane	X	X	-	X

**16. OTHER INFORMATION**

**HMIS**

Health - 2 \*  
 Flammability - 4  
 Physical Hazard - 0

**Prepared By**

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.