



Material Safety Data Sheet

Revision Date 27-Feb-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 1419798
 Product name Pene-Grease SL
 Recommended Use Lubricant

Supplier Kent Automotive
 8770 W. Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664
 Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Extremely flammable liquid and vapor. Contents under pressure. Irritating to respiratory system. Irritating to eyes. Irritating to skin.

Aggravated Medical Conditions
 None Known

Principal Routes of Exposure
 Skin contact. Inhalation. Eyes.

Potential health effects

Eyes Irritation. Prolonged or repeated exposure may cause . Itching. Redness. Burning sensation.

Skin Prolonged skin contact may cause skin irritation. Redness. Itching. Burning sensation.

Inhalation Upper respiratory tract irritation. Extreme overexposure may cause. Death. Central nervous system depression. Prolonged overexposure may cause. Headaches. Nausea. Loss of coordination. 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 %
Acetone	67-64-1	10-30
Paraffinic Solvent	64742-47-8	10-30
Propane	74-98-6	7-13
Petrolatum	8009-03-8	7-13
Hexane	110-54-3	5-10
Isohexane Isomers	107-83-5	1-5

Distillates, petroleum, solvent-dewaxed heavy naphthenic	64742-63-8	1-5
3-Methylpentane	96-14-0	.5-1.5
2,3-Dimethylbutane	79-29-8	.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. Wash contaminated clothing before re-use.

Ingestion Do Not induce vomiting. Immediate medical attention is required.

Inhalation Move to fresh air. Restore breathing. Keep warm and quiet..

5. FIRE FIGHTING MEASURES

Flash point °C <17.8
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 12.8%
Lower 0.7%

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

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

Special Fire-Fighting Procedures
 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.

Fire and Explosion Hazards
 Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention..

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Sensitivity to shock
No information available.

Sensitivity to static discharge
No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Ensure adequate ventilation.

Methods for cleaning up
Eliminate all sources of ignition. Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling
Keep away from open flames, hot surfaces and sources of ignition. Keep out of reach of children. Vapors may accumulate readily and may ignite explosively. Do not puncture or incinerate. Contents under pressure.

Storage
Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Use approved Bonding and Grounding procedures. Heat from sunlight, radiators stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Do not expose to temperature above 120F..

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Hexane	500 ppm 1800 mg/m ³	-	50 ppm	N/D
Isohexane Isomers	-	-	-	-
3-Methylpentane	-	-	-	-
2,3-Dimethylbutane	-	-	-	-
Paraffinic Solvent	-	-	-	-
Distillates, petroleum, solvent-dewaxed heavy naphthenic Petrolatum	-	-	-	-
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm

Ventilation and Environmental Controls
Local: as necessary. General: adequate. Ventilation and Environmental Controls. Consult OSHA standard 1910.94, 1910.107, 1910.108.

Hygiene measures
Avoid breathing vapors or mists. Avoid contact with skin and eyes. Wash hands after handling the product.

Respiratory protection
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive..

Hand Protection
For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

Eye protection
Safety glasses with side-shields.

Skin and body protection
None necessary under normal conditions

Other Protective Equipment
An eye wash station should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	No information available
Odor	No information available
Odor Threshold	No information available
pH	7.0
Specific Gravity	0.76
Vapor pressure	No data available
Density	6.30 lb/gal
Vapor density	>1 (Air = 1)
Evaporation Rate	>1 (Ether =1)
Water solubility	No data available
VOC Content	25%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	<-18 - 237
Boiling point/range °F	<0 - 460
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	<17.8
Flash point °F	<0

10. STABILITY AND REACTIVITY

Stability
Stable

Conditions to avoid
No information available

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Incompatibility

No information available

Hazardous Decomposition Products

By fire: Carbon monoxide. Carbon dioxide.

Polymerization

Hazardous polymerization does not occur

Target Organ Effects

See Section 2

Carcinogenic effects

See table below

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (Inhalation, rat)
Propane 74-98-6	-	-	658 mg/L
Hexane 110-54-3	-	3000 mg/kg	48000 ppm
Isohexane Isomers 107-83-5	-	-	-
3-Methylpentane 96-14-0	-	-	-
2,3-Dimethylbutane 79-29-8	-	-	-
Paraffinic Solvent 64742-47-8	5000 mg/kg	2000 mg/kg	5.2 mg/L
Distillates, petroleum, solvent-dewaxed heavy naphthenic 64742-63-8	5000 mg/kg	2000 mg/kg	2.18 mg/L
Petrolatum 8009-03-8	-	3600 mg/kg	-
Acetone 67-64-1	-	-	50100 mg/m ³

Synergistic Products None known

Potential health effects

Sensitization None known

Chronic toxicity Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Prolonged or repeated exposure to Hexane may cause damage to nerve tissue of the arms and legs (peripheral neuropathy), resulting in muscular weakness and loss of sensation. This effect may be increased by the presence of Methyl Ethyl Ketone.

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isohexane Isomers	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
Paraffinic Solvent	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Distillates, petroleum, solvent-dewaxed heavy naphthenic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petrolatum	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Acetone

Microtox Data

Photobacterium phosphoreum EC50=14500 mg/L (15 min)

Water Flea Data

Daphnia magna EC5010294 - 17704 mg/L (48 h)

Daphnia magna EC5012600 - 12700 mg/L (48 h)

Distillates, petroleum, solvent-dewaxed heavy naphthenic

Water Flea Data

Daphnia magna EC50>1000 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS

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 incinerate. Depressurize before disposal. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION

DOT

UN1950 Aerosols, flammable, 2.1. Consumer commodity, ORM-D. This product meets the "Limited quantity" exemption

TDG

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14. TRANSPORTATION INFORMATION

UN1950 AEROSOLS, flammable, 2.1 Consumer commodity, ORM-D.
This product meets the "limited quantity" exemption

15. REGULATORY INFORMATION

Chemical Name US EPA SARA 313 Emission Reporting

Hexane Listed

Prepared By

V. Shargorodsky, Regulatory Affairs
Engineer

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.

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane	Listed	Listed	Not Listed
Hexane	Listed	Listed	Not Listed
Isohexane Isomers	Not Listed	Listed	Not Listed
3-Methylpentane	Not Listed	Listed	Not Listed
2,3-Dimethylbutane	Not Listed	Listed	Not Listed
Paraffinic Solvent	Not Listed	Not Listed	Not Listed
Distillates, petroleum, solvent-dewaxed heavy naphthenic	Not Listed	Not Listed	Not Listed
Petrolatum	Not Listed	Not Listed	Not Listed
Acetone	Not Listed	Listed	Not Listed

WARNING: This product contains a chemical(s) known to the state of California to cause cancer and birth defects or other reproductive harm

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane	X	X	-	X
Hexane	X	X	-	X
Isohexane Isomers	X	X	-	X
3-Methylpentane	X	X	-	X
2,3-Dimethylbutane	X	X	-	X
Paraffinic Solvent	X	X	-	X
Distillates, petroleum, solvent-dewaxed heavy naphthenic	X	X	-	X
Petrolatum	X	X	-	X
Acetone	X	X	-	X

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

16. OTHER INFORMATION

HMIS
HMIS

Health - 2*
Flammability - 4
Physical Hazard - 0