



Material Safety Data Sheet

Revision Date 17-Mar-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code KT13129
Product name Pene Grease VOC
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
Flammable. Irritant.

Aggravated Medical Conditions
None Known.

Principal Routes of Exposure
Inhalation. Eyes. Skin contact.

Potential health effects

Eyes 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 %
Petroleum Oil	Proprietary	10-30
Butane	106-97-8	10-30
Hexane	110-54-3	10-30
Acetone	67-64-1	10-30
Petrolatum	8009-03-8	7-13
Isohexane Isomers	107-83-5	7-13

Propane	74-98-6	5-10
Distillates, petroleum, solvent-dewaxed heavy naphthenic	64742-63-8	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. Contact physician if breathing difficulty develops.

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

Flammability Limits (% in Air)

Upper 12.8
Lower 1.0

Specific Information for Aerosol Products

Flame extension Unknown
Flashback Unknown

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

Special Fire-Fighting Procedures

Avoid breathing of vapors. Avoid skin and eye contact. 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.

Specific hazards

Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes.

Fire and Explosion Hazards

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. Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

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

Keep in a well-ventilated place. 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 (50 degrees C) .

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	-
Butane	800 ppm	-	-	1000 ppm
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Hexane	500 ppm 1800 mg/m ³	-	50 ppm	N/D
Isohexane isomers	-	-	-	-
Petroleum Oil	-	-	-	-
Petrolatum	-	-	-	-

Distillates, petroleum, solvent-dewaxed heavy naphthenic	-	-	-	-
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Ventilation and Environmental Controls

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

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

Wear safety glasses with side shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	No information available
Odor Threshold	No information available
pH	No data available
Specific Gravity	No data available
Vapor pressure	No data available
Vapor density	>Air
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	49.80
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
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.

Reproductive toxicity None known

Target Organ Effects See Section 2

Carcinogenic effects See table below

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
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Acetone	A4	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
Petroleum Oil	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Petrolatum	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

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Propane 74-98-6	-	-	658 mg/L
Butane 106-97-8	-	-	658 g/m ³
Acetone 67-64-1	-	-	50100 mg/m ³
Hexane 110-54-3	-	3000 mg/kg	48000 ppm
Isohexane Isomers 107-83-5	-	-	-
Petroleum Oil Proprietary	-	-	-
Petrolatum 8009-03-8	-	3600 mg/kg	-
Distillates, petroleum, solvent-dewaxed heavy naphthenic 64742-63-8	5000 mg/kg	2000 mg/kg	2.18 mg/L

Synergistic Products None known

Specific Hazards Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage. Hexane has been reported to affect the central nervous system and may damage peripheral nerve tissue. resulting in muscular weakness and loss of sensation.

Potential health effects

Sensitization None known

Chronic toxicity None known

Mutagenic effects None known

Teratogenic effects None known

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)

Aquatic toxicity

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 puncture or incinerate. Depressurize before disposal.

Waste from residues / unused products

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

14. TRANSPORTATION INFORMATION

DOT

Consumer commodity, ORM-D.

TDG

UN1950 AEROSOLS, flammable, 2.1

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Hexane	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Acetone	Not Listed	Listed	Not Listed
Hexane	Listed	Listed	Not Listed
Isohexane Isomers	Not Listed	Listed	Not Listed
Petroleum Oil	Not Listed	Not Listed	Not Listed
Petrolatum	Not Listed	Not Listed	Not Listed
Distillates, petroleum, solvent-dewaxed heavy naphthenic	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane	X	X	-	X
Butane	X	X	-	X
Acetone	X	X	-	X
Hexane	X	X	-	X
Isohexane Isomers	X	X	-	X
Petroleum Oil	-	-	-	-
Petrolatum	X	X	-	X
Distillates, petroleum, solvent-dewaxed heavy naphthenic	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

Health - 2
Flammability - 4
Physical Hazard - 0

Prepared By

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 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.