



Material Safety Data Sheet

Revision Date 29-Apr-2010

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code KT13619
Product name Citrus Degreaser
Recommended Use Degreaser
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 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. 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	3-7
Butane	106-97-8	1-5
D-Limonene	5989-27-5	10-30
Tripropylene Glycol Methyl Ether	25498-49-1	5-10

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 Not Applicable
Flammability Limits (% in Air)
Upper 9.5
Lower 0.7

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.

Fire and Explosion Hazards

Keep product and empty container away from heat and sources of ignition. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. Water spray may be ineffective. If water is used, fog nozzles are preferable.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**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. 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. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
D-Limonene	-	-	-	-
Tripropylene Glycol Methyl Ether	-	-	-	-
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm	-
Butane	800 ppm	-	1000 ppm	-

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. Avoid contact with skin, eyes and clothing.

Respiratory protection

Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator. Wear a NIOSH approved organic vapor/particulate respirator.

Hand Protection

Gloves are not required in normal use. 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

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol
Color	Colorless
Odor	Solvent
Odor Threshold	No information available
pH	12.5
Specific Gravity	0.89
Vapor pressure	No data available
Density	7.43 lbs/gal
Vapor density	>Air
Evaporation Rate	> 1 (ether = 1)
Water solubility	No data available
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 242
Boiling point/range °F	< 0 - 467
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 known.

Hazardous Decomposition Products

Carbon dioxide. Carbon monoxide.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>D-Limonene</i> 5989-27-5	4400 mg/kg	2000 mg/kg	-
<i>Tripropylene Glycol Methyl Ether</i> 25498-49-1	3184 mg/kg	15440 mg/kg	-
<i>Propane</i> 74-98-6	-	-	658 mg/L
<i>Butane</i> 106-97-8	-	-	658 mg/L

Synergistic Products

None known

Specific Hazards Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.

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 See Section 2

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
D-Limonene	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Tripropylene Glycol Methyl Ether	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Tripropylene Glycol Methyl Ether

Water Flea Data*Daphnia magna* hEC50 48 (>10 mg/L)**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**

UN1950 Aerosols, flammable, 2.1

Exception: (Compressed Gas not more than 1.0L) Consumer Commodity ORM-D

TDG

UN1950 AEROSOLS, flammable, 2.1

IMDG/IMO

UN1950 Aerosols, flammable, 2.1

IATA

UN1950 Aerosols, flammable, 2.1

MEX

UN1950 Aerosols, flammable, containing substances in Class 6.1, 2.1 (6.1)

15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
D-Limonene	Not Listed	Not Listed	Not Listed
Tripropylene Glycol Methyl Ether	Not Listed	Not Listed	Not Listed
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
D-Limonene	X	X	-	X
Tripropylene Glycol Methyl Ether	X	X	-	X
Propane	X	X	-	X
Butane	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**

Health - 2
Flammability - 2
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.