



Material Safety Data Sheet

Revision Date 23-Dec-2013

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code KT14372
Product name VOC Brake Parts Cleaner
Recommended Use Cleaner / Solvent

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. Contents under pressure.

Aggravated Medical Conditions
None Known

Principal Routes of Exposure
Eyes. Skin. Inhalation. Ingestion.

Potential health effects

Eyes Contact with eyes may cause irritation.

Skin Prolonged skin contact may cause skin irritation. Prolonged skin contact may defat the skin and produce dermatitis. Potentially harmful skin absorption.

Inhalation Irritating to respiratory system. Extreme overexposure may cause. Dizziness. Nausea.

Ingestion May cause the following effects. Headache. Nausea. Vomiting. Weakness.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Heptanes	142-82-5	30-60
Acetone	67-64-1	30-60
Benzene	71-43-2	<.01

4. FIRST AID MEASURES

Eye contact Flush with plenty of water for at least 15 minutes. Seek medical attention IMMEDIATELY.

Skin contact Wash off immediately with plenty of water.

Ingestion Give large amounts of milk or water. Do Not induce vomiting. Call a physician immediately.

Inhalation Remove to fresh air. Contact physician if breathing difficulty develops.

5. FIRE FIGHTING MEASURES

Flash point °C -18
Flash point °F -0.4
Method Tag Closed Cup

Autoignition temperature °C 204-465
Autoignition temperature °F 399-869

Flammability Limits (% in Air)

Upper 12.8
Lower 2.6

Suitable extinguishing media

Water. Carbon dioxide. 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

Fire and Explosion Hazards

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. Soak up with inert absorbent material. Avoid using sparking tools. Ventilate area to maintain exposure below permissible exposure limits. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs.

Product code **KT14372**Product name **VOC Brake
Parts Cleaner****7. HANDLING AND STORAGE****Handling**

Keep away from open flames, hot surfaces and sources of ignition.

Storage

Keep containers tightly closed in a cool, well-ventilated place. 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)
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Heptanes	500 ppm 2000 mg/m ³	-	400 ppm	500 ppm
Benzene	10 ppm 1 ppm	25 ppm	0.5 ppm	2.5 ppm

Ventilation and Environmental Controls

Provide local exhaust ventilation. Mechanical: as necessary.

Hygiene measures

General industrial hygiene practice.

Respiratory protection

Wear a NIOSH approved air purifying organic cartridge respirator.

Hand Protection

Chemical resistant gloves. 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.

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	Clear Colorless
Odor	Hydrocarbon-like
Odor Threshold	No information available
pH	Not Applicable
Specific Gravity	0.77-0.81
Vapor pressure	Not Applicable
Vapor density	>1 (Air = 1)
Evaporation Rate	> 1
Water solubility	Partly soluble
VOC Content	<45%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	55-100

Boiling point/range °F	131-212
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	-18
Flash point °F	-0.4

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

Avoid heat, sparks, and other sources of ignition.

Incompatibility

Strong oxidizing agents.

Hazardous Decomposition Products

Fumes. smoke. 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)
Acetone 67-64-1	-	-	50100 mg/m ³
Heptanes 142-82-5	-	3000 mg/kg	103 g/m ³
Benzene 71-43-2	-	-	13050 - 14380 ppm

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

See Section 2 .

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

See Section 2

Other adverse effects

This product contains trace amounts of benzene which presents a carcinogenic risk to humans based upon the evaluation of the IARC WORKING GROUP . Possible risk of harm to the unborn fetus .

Product code **KT14372**Product name **VOC Brake
Parts Cleaner****Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	A4	Not Listed	Not Listed	Not Listed	Not Listed
Heptanes	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Benzene	A1	Group 1	Known Human Carcinogen	Not Listed	Listed

Benzene	Not Listed	Listed	Carcinogen Developmental Male Reproductive
---------	------------	--------	--

Chemical Name	Type
Benzene - 71-43-2	Male Reproductive

12. ECOLOGICAL INFORMATIONAcetone**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)Benzene**Water Flea Data***Daphnia magna* EC508.76 - 15.6 mg/L (48 h)*Daphnia magna* EC50=10 mg/L (48 h)**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Heptanes	X	X	-	X
Benzene	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**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Do not puncture or incinerate. Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

UN1950 Aerosols, flammable, 2.1. Consumer commodity, ORM-D.

TDG

UN1950 AEROSOLS, flammable, 2.1 Consumer commodity, ORM-D.

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Benzene	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	Listed	Not Listed
Heptanes	Listed	Listed	Not Listed

HMIS**Health - 1****Flammability - 4****Physical Hazard - 0****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.