



# Material Safety Data Sheet

Revision Date 08-Jul-2013

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** KT13431  
**Product name** Super Bond  
**Recommended Use** Adhesive

**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**  
Irritant. Flammable.

### Aggravated Medical Conditions

Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product.

### Principal Routes of Exposure

Skin. Inhalation. Ingestion. Eyes.

### Potential health effects

**Eyes** Contact with eyes may cause irritation. Corrosive to the eyes and may cause severe damage including blindness.

**Skin** Skin Irritation. Repeated or prolonged exposure may cause: Corrosive to soft tissues.

**Inhalation** May cause irritation of respiratory tract. May cause irritation to the mucous membranes. Coughing. Dizziness. Nausea. Central nervous system effects.

**Ingestion** Toxic if swallowed. Nausea. Diarrhea. Unconsciousness.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Heptanes	142-82-5	85-95
Benzenamine, N,N,4-trimethyl-	99-97-8	1-10
Hexane	110-54-3	0.1-0.5
Octane	111-65-9	0.1-0.5

## 4. FIRST AID MEASURES

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.

**Skin contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Remove and wash contaminated clothing before re-use. Seek medical attention if irritation persists.

**Ingestion** Do Not induce vomiting. Consult a physician.

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

## 5. FIRE FIGHTING MEASURES

**Flash point °C** -40  
**Flash point °F** 25  
**Method** Tag Closed Cup

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

**Flammability Limits (% in Air)**  
**Upper** 6.7  
**Lower** 1.1

**Suitable extinguishing media**  
Dry chemical powder. Foam. Carbon dioxide.

### 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 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.

## 6. ACCIDENTAL RELEASE MEASURES

**6. ACCIDENTAL RELEASE MEASURES****Methods for cleaning up**

Eliminate all sources of ignition. Absorb with fire resistant absorbent. Dispose of absorbent in accordance with local, state and federal regulations.

**7. HANDLING AND STORAGE****Handling**

Use only in area provided with appropriate exhaust ventilation. Avoid contact with skin and eyes. Keep away from open flames, hot surfaces and sources of ignition. Keep container closed when not in use.

**Storage**

Keep tightly closed in a dry and cool place. Keep out of the reach of children. Store at temperatures between 40 degrees F and 90 degrees F. Keep away from food, beverages, and feed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Heptanes	500 ppm 2000 mg/m <sup>3</sup>	-	400 ppm	500 ppm
Hexane	500 ppm 1800 mg/m <sup>3</sup>	-	50 ppm	N/D
Octane	500 ppm 2350 mg/m <sup>3</sup>	-	300 ppm	-
Benzenamine, N,N,4-trimethyl-	-	-	-	-

**Ventilation and Environmental Controls**

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area. Mechanical: as necessary.

**Hygiene measures**

Remove and wash contaminated clothing before re-use. Wash hands after handling the product.

**Respiratory protection**

Use NIOSH approved respirator if TLV limit is exceeded.

**Hand Protection**

Rubber gloves.

**Eye protection**

Safety glasses with side-shields.

**Skin and body protection**

None necessary under normal conditions

**Other Protective Equipment**

A rubber apron.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Form</b>	Liquid
<b>Color</b>	Clear
<b>Odor</b>	Mild Hydrocarbon-like

**Odor Threshold**

No information available

**pH**

No data available

**Specific Gravity**

0.69

**Vapor pressure**

1.60 @ 100°FmmHg

**Vapor density**

3.5 (air=1)

**Evaporation Rate**

No data available

**Water solubility**

Negligible

**Partition Coefficient (n-octanol/water)**

No data available

**Boiling point/range °C**

99

**Boiling point/range °F**

210

**Melting point/range °C**

No data available

**Melting point/range °F**

No data available

**Flash point °C**

-40

**Flash point °F**

25

**10. STABILITY AND REACTIVITY****Stability**

Stable.

**Conditions to avoid**

Heat, flames and sparks.

**Incompatibility**

Oxidizers. Strong acids. Caustics. Halogens.

**Hazardous Decomposition Products**

Carbon dioxide. Carbon monoxide. Hydrocarbons.

**Polymerization**

Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION****Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Heptanes 142-82-5	-	3000 mg/kg	103 g/m <sup>3</sup>
Hexane 110-54-3	-	3000 mg/kg	48000 ppm
Octane 111-65-9	-	-	118 g/m <sup>3</sup>
Benzenamine, N,N,4-trimethyl- 99-97-8	-	-	1400 mg/m <sup>3</sup>

**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. See Section 2 .

<b>Mutagenic effects</b>	None known
<b>Teratogenic effects</b>	None known
<b>Reproductive toxicity</b>	None known
<b>Target Organ Effects</b>	See Section 2
<b>Carcinogenic effects</b>	See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Heptanes	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Hexane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Octane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Benzenamine, N,N,4-trimethyl-	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

### Heptanes

#### Water Flea Data

*Daphnia magna* EC50>10 mg/L (24 h)

### Hexane

#### Water Flea Data

*Daphnia magna* EC50>1000 mg/L (24 h)

### Octane

#### Microtox Data

*Photobacterium phosphoreum* EC50=890 mg/L (30 min)

#### Water Flea Data

water flea EC50=0.38 mg/L (48 h)

## 13. DISPOSAL CONSIDERATIONS

### Waste from residues / unused products

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

## 14. TRANSPORTATION INFORMATION

### DOT

UN1206 Heptanes (Heptanes/n-Hexane), Class 3, PG II  
 Exception: (Flammable Liquids PG II not more than 1.0L) Consumer Commodity ORM-D

### TDG

UN1206 HEPTANES, Class 3, PG II

## 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
Heptanes	Listed	Listed	Not Listed
Hexane	Listed	Listed	Not Listed
Octane	Listed	Listed	Not Listed
Benzenamine, N,N,4-trimethyl-	Not Listed	Not Listed	Not Listed

## International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Heptanes	X	X	-	X
Hexane	X	X	-	X
Octane	X	X	-	X
Benzenamine, N,N,4-trimethyl-	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

## NFPA

Health - 2  
 Flammability - 3  
 Reactivity - 0

## HMIS

Health - 2  
 Flammability - 3  
 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.