



# Material Safety Data Sheet

Revision Date 23-Mar-2011

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** P60478  
**Product name** BATTERY SEALER HD 12.25 OZ NW  
**Recommended Use** Coating  
**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** May cause the following effects: 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. Cardiac abnormalities. Reproductive system damage. Possible unconsciousness. Death. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**Ingestion** Harmful or fatal if swallowed.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	10-30
Butane	106-97-8	10-30

Carbon Black	1333-86-4	0.1-1
Hexanes	110-54-3	7-13
Isohexane Isomers	107-83-5	1-5
3-Methylpentane	96-14-0	0.5-1.5
2,3-Dimethylbutane	79-29-8	0.5-1.5
Solvent naphtha (petroleum), light aliphatic	64742-89-8	5-10
Toluene	108-88-3	15-40
Calcium Carbonate	471-34-1	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** No data available

### Flammability Limits (% in Air)

**Upper** 9.5  
**Lower** 0.9

### 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

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**Fire and Explosion Hazards**

Containers may vent or burst under extreme or prolonged fire conditions. Keep product and empty container away from heat and sources of ignition. In the event of fire and/or explosion do not breathe fumes. 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. 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**

**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. 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)
Toluene	200 ppm	300 ppm	20 ppm	-
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
Butane	800 ppm	-	1000 ppm	-
Hexanes	1800 mg/m <sup>3</sup> 500 ppm	-	50 ppm	-
Solvent naphtha (petroleum), light aliphatic	-	-	-	-
Isohexane Isomers	-	-	-	-
Calcium Carbonate	-	-	-	-

2,3-Dimethylbutane	-	-	-	-
3-Methylpentane	-	-	-	-
Carbon Black	3.5 mg/m <sup>3</sup>	-	3.5 mg/m <sup>3</sup>	-

**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. 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 glove(s) are recommended to prevent prolonged or repeated contact: Chemical resistant gloves.

**Eye protection**

Avoid contact with eyes. Wear safety glasses with side shields.

**Skin and body protection**

None necessary under normal conditions

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Aerosol
Color	Black
Odor	Solvent
Odor Threshold	No information available
pH	No data available
Specific Gravity	0.74
Vapor pressure	No data available
Density	6.18 lb/gal; 740 g/l
Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	75.87% by weight
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 162
Boiling point/range °F	< 0 - 325
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.

## 11. TOXICOLOGICAL INFORMATION

### Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Toluene</i> 108-88-3	636 mg/kg	12124 mg/kg 8390 mg/kg	12.5 mg/L 26700 ppm
<i>Propane</i> 74-98-6	-	-	658 mg/L
<i>Butane</i> 106-97-8	-	-	658 mg/L
<i>Hexanes</i> 110-54-3	25 g/kg	3000 mg/kg	48000 ppm
<i>Solvent naphtha (petroleum), light aliphatic</i> 64742-89-8	-	3000 mg/kg	-
<i>Isohexane Isomers</i> 107-83-5	-	-	-
<i>Calcium Carbonate</i> 471-34-1	6450 mg/kg	-	-
<i>2,3-Dimethylbutane</i> 79-29-8	-	-	-
<i>3-Methylpentane</i> 96-14-0	-	-	-
<i>Carbon Black</i> 1333-86-4	15400 mg/kg	3 g/kg	-

**Synergistic Products** None known

**Specific Hazards** Hexane has been reported to affect the central nervous system and may damage peripheral nerve tissue.

### Potential health effects

<b>Sensitization</b>	None known
<b>Chronic toxicity</b>	None known
<b>Mutagenic effects</b>	None known
<b>Teratogenic effects</b>	None known
<b>Reproductive toxicity</b>	None known

### Target Organ Effects

Prolonged or repeated occupational overexposure may affect the following: Liver, Urinary system, Cardiovascular system, Brain, Nervous system, Reproductive System.

### Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Toluene	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
Hexanes	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Isohexane Isomers	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2,3-Dimethylbutane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
3-Methylpentane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Carbon Black	Listed	Group 2B	Not Listed	Not Listed	Listed

## 12. ECOLOGICAL INFORMATION

### Toluene

#### Microtox Data

*Photobacterium phosphoreum* EC50=19.7 mg/L (30 min)

#### Water Flea Data

*water flea* hEC50 48 (11.3 mg/L)

*water flea* hEC50 48 (310 mg/L)

*Daphnia magna* hEC50 48 (11.3 mg/L)

*water flea* hEC50 48 (11.3 mg/L)

### Hexanes

#### Water Flea Data

*water flea* hEC50 48 (3.87 mg/L)

### Carbon Black

#### Water Flea Data

*Daphnia magna* hEC50 24 (>5600 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.

Product code **P60478**

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**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**

**US EPA SARA 313**

Chemical Name	US EPA SARA 313 Emission Reporting
Toluene	Listed
Hexanes	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Toluene	Listed	Listed	Developmental
Propane	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Hexanes	Listed	Listed	
Solvent naphtha (petroleum), light aliphatic	Not Listed	Not Listed	Not Listed
Isohexane Isomers	Not Listed	Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed	Not Listed
2,3-Dimethylbutane	Not Listed	Listed	Not Listed
3-Methylpentane	Not Listed	Listed	Not Listed
Carbon Black	Not Listed	Listed	Carcinogen

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Toluene	X	X	-	X
Propane	X	X	-	X
Butane	X	X	-	X
Hexanes	X	X	-	X
Solvent naphtha (petroleum), light aliphatic	X	X	-	X
Isohexane Isomers	X	X	-	X
Calcium Carbonate	X	X	-	X
2,3-Dimethylbutane	X	X	-	X
3-Methylpentane	X	X	-	X
Carbon Black	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 - 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.