

# Material Safety Data Sheet

Revision Date 18-Mar-2011

## 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Product code** P17447  
**Product name** INSUL SPRAY ELEC CTG 12  
**Recommended Use** OZNW 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.

**Aggravated Medical Conditions**  
None Known.

**Principal Routes of Exposure**  
Eyes, Skin contact, Inhalation.

### 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: 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	10-30
Butane	106-97-8	7-13
Xylene (mix)	1330-20-7	10-30
Acetone	67-64-1	10-30
Methyl ethyl ketone	78-93-3	10-30
Ethyl 3-Ethoxypropionate	763-69-9	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. Consult a physician.

## 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** 12.8  
**Lower** 1.0

**Suitable extinguishing media**  
Carbon dioxide (CO<sub>2</sub>), 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.

**Specific hazards**  
In the event of fire and/or explosion do not breathe fumes.

**Fire and Explosion Hazards**  
Keep product and empty container away from heat and sources of ignition. Vapors are volatile and heavier than air. They will tend to collect in low lying areas. 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. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

**Sensitivity to shock**  
No information available.

**Sensitivity to static discharge**  
No information available.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**  
Use personal protective equipment.

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**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. 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. Surfaces that are sufficiently hot may ignite product in the absence of sparks or flame. This coating may contain materials classified as nuisance particulates which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust) 3 mg/m<sup>3</sup> (respirable fraction), Osha PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction). 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)
Acetone	1000 ppm 2400 mg/m <sup>3</sup>	-	500 ppm	750 ppm
Xylene (mix)	100 ppm 435 mg/m <sup>3</sup>	-	100 ppm	150 ppm
Propane	1000 ppm 1800 mg/m <sup>3</sup>	-	1000 ppm	-
Methyl ethyl ketone	200 ppm 590 mg/m <sup>3</sup>	-	200 ppm	300 ppm
Butane	800 ppm	-	1000 ppm	-
Ethyl 3-Ethoxypropionate	-	-	-	-

**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**

None required unless sanding or abrading. If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

**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**

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	Colorless
Odor	None
Odor Threshold	No information available
pH	7.0
Specific Gravity	0.75
Vapor pressure	No data available
Density	6.19 lbs/gal; 742 gm/liter
Vapor density	>1 (air=1)
Evaporation Rate	>1 (ether = 1)
Water solubility	No data available
VOC Content	57.50%
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	< -18 - 172
Boiling point/range °F	< 0 - 342
Melting point/range °C	Not Applicable
Melting point/range °F	Not Applicable
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.

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**Polymerization**  
Will not occur.

**11. TOXICOLOGICAL INFORMATION**

**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Acetone 67-64-1	5800 mg/kg	-	-
Xylene (mix) 1330-20-7	4300 mg/kg	1700 mg/kg	47635 mg/L 5000 ppm
Propane 74-98-6	-	-	658 mg/L
Methyl ethyl ketone 78-93-3	2737 mg/kg	6480 mg/kg	-
Butane 106-97-8	-	-	658 mg/L
Ethyl 3-Ethoxypropionate 763-69-9	3200 mg/kg	10 mL/kg	-

**Synergistic Products**                      None known

**Specific Hazards**                              Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

**Potential health effects**

**Sensitization**                                      None known

**Chronic toxicity**                                  Repeated and prolonged exposure to solvents may cause brain and nervous system damage.

**Mutagenic effects**                                None known

**Teratogenic effects**                              None known

**Reproductive toxicity**                         May cause adverse reproductive effects.

**Target Organ Effects**                         Long term exposure to vapor may cause liver damage. Urinary system.

**Carcinogenic effects**                            See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Xylene (mix)	Listed	Not Listed	Not Listed	Not Listed	Not Listed
Propane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Methyl ethyl ketone	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethyl 3-Ethoxypropionate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

**12. ECOLOGICAL INFORMATION**

Acetone

**Microtox Data**  
*Photobacterium phosphoreum* EC50=14500 mg/L (15 min)

**Water Flea Data**  
*water flea* hEC50 48 (0.0039 mg/L)  
*water flea* hEC50 48 (12700 mg/L)  
*Daphnia magna* hEC50 48 (12600 mg/L)  
*water flea* hEC50 48 (0.0039 mg/L)

Xylene (mix)

**Microtox Data**  
*Photobacterium phosphoreum* EC50=0.0084 mg/L (24 h)

**Water Flea Data**  
*water flea* hEC50 48 (3.82 mg/L)  
*Gammarus lacustris* hLC50 48 (0.6 mg/L)  
*water flea* hEC50 48 (3.82 mg/L)

Methyl ethyl ketone

**Microtox Data**  
*Photobacterium phosphoreum* EC50=3403 mg/L (30 min)  
*Photobacterium phosphoreum* EC50=3426 mg/L (5 min)

**Water Flea Data**  
*water flea* hEC50 48 (520 mg/L)  
*Daphnia magna* hEC50 48 (5091 mg/L)

Ethyl 3-Ethoxypropionate

**Water Flea Data**  
*Daphnia magna* hEC50 48 (970 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

**15. REGULATORY INFORMATION**

**US EPA SARA 313**

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Chemical Name	US EPA SARA 313 Emission Reporting
Xylene (mix)	Listed

**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Not Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
Methyl ethyl ketone	Listed	Listed	Not Listed
Butane	Listed	Listed	Not Listed
Ethyl 3-Ethoxypropionate	Not Listed	Not Listed	Not Listed

**International Inventories**

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Xylene (mix)	X	X	-	X
Propane	X	X	-	X
Methyl ethyl ketone	X	X	-	X
Butane	X	X	-	X
Ethyl 3-Ethoxypropionate	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.