

**SAFETY DATA SHEET**

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

**Product Name: RED INSULATING VARNISH**

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product Type: Coating  
Product Name: **Red Insulating Varnish**  
Part Number(s): **10-9002-A**

Emergency Contact: **Chemtrec**  
Phone: **(800) 424-9300**

**SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification**

Flammable liquids : Category 3

Skin irritation : Category 2

Eye irritation : Category 2A

Skin sensitisation : Category 1

Carcinogenicity : Category 2

Reproductive toxicity : Category 2

Specific target organ toxicity - single exposure : Category 3 (Central nervous system)

Specific target organ toxicity - repeated exposure : Category 2 (Kidney, Liver)

**GHS Label element**

Hazard pictograms : 

Signal word : Warning

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### SECTION 2. HAZARDS IDENTIFICATION

- Hazard statements : H226 Flammable liquid and vapour.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.  
H351 Suspected of causing cancer.  
H361 Suspected of damaging fertility or the unborn child.  
H373 May cause damage to organs (Kidney, Liver) through prolonged or repeated exposure.
- Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P280 Wear protective gloves/ eye protection/ face protection.
- Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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**Product Name: RED INSULATING VARNISH****SECTION 2. HAZARDS IDENTIFICATION (CONTINUED)**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
**Storage:**  
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical nature : Modified Alkyd Resin Solution

**Hazardous components**

Component	CAS-No.	Concentration (%)
Xylene	1330-20-7	>= 42 - < 43
Ethylbenzene	100-41-4	>= 5 - < 6
2-Butanone oxime	96-29-7	>= 0.1 - < 1

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#### **SECTION 4. FIRST AID MEASURES**

- General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.
- If inhaled : Consult a physician after significant exposure.  
If unconscious place in recovery position and seek medical advice.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

#### **SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

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#### **SECTION 5. FIREFIGHTING MEASURES (CONTINUED)**

- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up :  
  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Avoid formation of aerosol.  
 Do not breathe vapours/dust.  
 Avoid exposure - obtain special instructions before use.  
 Avoid contact with skin and eyes.  
 For personal protection see section 8.  
 Smoking, eating and drinking should be prohibited in the application area.  
 Take precautionary measures against static discharges.  
 Provide sufficient air exchange and/or exhaust in work rooms.  
 Open drum carefully as content may be under pressure.  
 Dispose of rinse water in accordance with local and national regulations.  
 Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Conditions for safe storage :  
 No smoking.  
 Keep container tightly closed in a dry and well-ventilated place.  
 Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
 Observe label precautions.  
 Electrical installations / working materials must comply with the technological safety standards.

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Xylene	1330-20-7	TWA	100 ppm 435 mg/m3	OSHA Z-1
		STEL	150 ppm 655 mg/m3	OSHA P0
		TWA	100 ppm 435 mg/m3	OSHA P0

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Xylene		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
Ethylbenzene	100-41-4	TWA	20 ppm	ACGIH
		TWA	100 ppm 435 mg/m3	OSHA Z-1
		TWA	100 ppm 435 mg/m3	OSHA P0
		STEL	125 ppm	OSHA P0
			545 mg/m3	
2-Butanone oxime	96-29-7	TWA	10 ppm	US WEEL

#### Personal protective equipment

- Respiratory protection : In the case of vapour formation use a respirator with an approved filter.
- Hand protection  
 Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
 Tightly fitting safety goggles  
 Wear face-shield and protective suit for abnormal processing problems.
- Skin and body protection : impervious clothing  
 Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.  
 When using do not smoke.  
 Wash hands before breaks and at the end of workday.

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#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: liquid	Thermal decomposition	: No data available
Odour Threshold	: No data available	Viscosity	
pH	: No data available	Viscosity, dynamic	: No data available
Melting point/freezing point	: No data available	Viscosity, kinematic	: Greater than 22 mm <sup>2</sup> /s (104 °F (40 °C))
Initial boiling point and boiling range	: No data available		
Flash point	: 75.2 °F (24.0 °C) Method: ASTM D 93		
Evaporation rate	: No data available		
Upper explosion limit	: No data available		
Lower explosion limit	: No data available		
Vapour pressure	: No data available		
Relative vapour density	: No data available		
Relative Density/Specific Gravity	: No data available		
Density	: 1.06 g/cm <sup>3</sup> (68 °F (20 °C))		
Flammability (solid, gas)	: No data available		
Solubility(ies)			
Water solubility	: No data available		
Solubility in other solvents	: No data available		
Partition coefficient: n-octanol/water	: No data available		
ignition temperature	: No data available		



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#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: No decomposition if stored and applied as directed.
Possibility of hazardous reactions	: No decomposition if stored and applied as directed.
	Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.

#### SECTION 11. TOXICOLOGICAL INFORMATION

##### Information on likely routes of exposure

##### Acute toxicity

##### Product:

Acute oral toxicity	: Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : 23.02 mg/l Exposure time: 4 h Test atmosphere: vapor Method: Calculation method
Acute dermal toxicity	: Acute toxicity estimate : 4,036 mg/kg Method: Calculation method

##### Components:

<b>1330-20-7 Xylene:</b>	:	LD50 (Rat): 4,300 mg/kg Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral) GLP: no
Acute oral toxicity		
Acute inhalation toxicity	: LC50 (Rat): 5000 ppm Exposure time: 4 h	
Acute dermal toxicity	: LD50 (Rabbit): 1,700 mg/kg	LD50 (Rabbit): > 4,200 mg/kg GLP: No information available.
<b>100-41-4 Ethylbenzene:</b>		
Acute oral toxicity	: LD50 (Rat): 3,500 mg/kg	
Acute dermal toxicity	: LD50 (Rabbit): 5,510 mg/kg	

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### Product Name: RED INSULATING VARNISH

#### SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)

##### 96-29-7 2-Butanone oxime:

Acute oral toxicity : LD50 (Rat): 2,500 mg/kg  
Acute inhalation toxicity : LC50 (Rat): 1350 ppm  
Acute dermal toxicity : LD50 (Rabbit): 920 mg/kg

##### Skin corrosion/irritation

###### Product:

Remarks: May cause skin irritation and/or dermatitis.

###### Components:

##### 1330-20-7 Xylene:

Species: Rabbit  
Result: Moderate skin irritation

##### 100-41-4 Ethylbenzene:

Species: Rabbit  
Result: Moderate skin irritation

##### 96-29-7 2-Butanone oxime:

Species: Rabbit  
Result: Moderate skin irritation

##### Serious eye damage/eye irritation

###### Product:

Remarks: May cause irreversible eye damage.

###### Components:

##### 1330-20-7 Xylene:

Species: Rabbit  
Result: Eye irritation

##### 100-41-4 Ethylbenzene:

Species: Rabbit  
Result: Moderate eye irritation

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**Product Name: RED INSULATING VARNISH****SECTION 11. TOXICOLOGICAL INFORMATION (CONTINUED)****96-29-7 2-Butanone oxime:**Species: Rabbit  
Result: Corrosive to eyes**Respiratory or skin sensitisation****Product:**

Remarks: Causes sensitisation.

**Carcinogenicity****IARC**

Group 2B: Possibly carcinogenic to humans

Ethylbenzene

100-41-4

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Further information****Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

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#### SECTION 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

No data available

**Product:**

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

**Persistence and degradability**

No data available

**Remarks**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

Additional ecological information : No data available

**Other adverse effects**

No data available

#### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

- Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.
- Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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### SECTION 14. TRANSPORT INFORMATION

#### International Regulation

##### IATA-DGR

UN/ID No. : UN 1263  
 Proper shipping name : Paint  
 Class : 3  
 Packing group : III  
 Labels : Flammable liquid  
 Packing instruction (cargo aircraft) : 366  
 Packing instruction (passenger aircraft) : 355

##### IMDG-Code

UN number : UN 1263  
 Proper shipping name : PAINT  
 Class : 3  
 Packing group : III  
 Labels : 3  
 EmS Code : F-E, S-E  
 Marine pollutant : no

#### National Regulations

##### 49 CFR

UN/ID/NA number : UN 1263  
 Proper shipping name : Paint  
 Class : 3  
 Packing group : III  
 Labels : Flammable liquid  
 Marine pollutant : no  
 ERG Code : 128

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

### SECTION 15. REGULATORY INFORMATION

#### EPCRA - Emergency Planning and Community Right-to-Know Act US. EPA CERCLA Hazardous Substances (40 CFR 302)

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
Xylene	1330-20-7	100	237

#### SARA 304 Emergency Release Notification

This material does not contain any components with a section 304 EHS RQ.

#### US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

This material does not contain any components with a SARA 302 RQ.

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**Product Name: RED INSULATING VARNISH****SECTION 15. REGULATORY INFORMATION (CONTINUED)**

**SARA 311/312 Hazards** Per the June 13, 2016 Federal Register notice, EPA harmonized the EPCRA 311/312 hazard categories with the 2012 OSHA hazard communication standard for classifying and labeling of chemicals (i.e. GHS). Please refer to Section 2 of the SDS to identify the appropriate hazard categories for reporting purposes.

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Xylene	1330-20-7	42.1 %
Ethylbenzene	100-41-4	5.6 %

**Clean Air Act**

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

Xylene	1330-20-7	42.1 %
Ethylbenzene	100-41-4	5.6 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMII Intermediate or Final VOC's (40 CFR 60.489):

Xylene	1330-20-7	42.1 %
Ethylbenzene	100-41-4	5.6 %

Non-volatile (Wt) : Refer to the product technical data sheet for VOC information.

**US State Regulations****Massachusetts Right To Know**

Xylene	1330-20-7
Ethylbenzene	100-41-4
Crystalline silica	14808-60-7

**Pennsylvania Right To Know**

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**Product Name: RED INSULATING VARNISH****SECTION 15. REGULATORY INFORMATION (CONTINUED)****Pennsylvania Right To Know**

Xylene	1330-20-7	Cobalt compounds	27253-31-2
Modified Alkyd Resin	Not Assigned		
Iron oxide	1332-37-2	Fatty acids, C9-13-neo-, cobalt salts	68955-83-9
Ethylbenzene	100-41-4		
Toluene	108-88-3		

**New Jersey Right To Know**

Xylene	1330-20-7
Modified Alkyd Resin	Not Assigned
Iron oxide	1332-37-2
Ethylbenzene	100-41-4
Iron(III) oxide	1317-61-9

**New Jersey Trade Secret** : NOT APPLICABLE**Registry Number for the  
product (NJ TSRN)****California Prop 65**

 **WARNING:** This product can expose you to chemicals including Ethyl benzene, Crystalline silica, which is/are known to the State of California to cause cancer, and Toluene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**The components of this product are reported in the following inventories:**

TSCA	: We certify that all of the components of this product are either listed on the TSCA Inventory or are not subject to the notification requirements per 40 CFR 720 30(h).
Section 4 / 12(b)	: Not applicable
DSL	: We certify that all of the components of this product are listed on the DSL.

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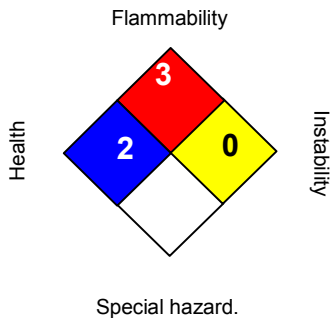
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### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>2*</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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