



# SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

## Section 1: Product and Company Identification

Product Name:	<b>KCI Zinc Galv (Aerosol)</b>
Product Identifier:	Zinc Primer
Product Use:	Galvanizing repair
Item Code(s):	RW109-13
SDS Code:	008
Manufacturer:	KCI, Inc.
Physical Address:	3401 Reno Avenue Charlotte, N.C. 28216
Mailing Address:	P.O. Box 26614 Charlotte, N.C. 28221
Business Phone:	704-372-8435
Business Fax:	704-333-5955
E-mail Address:	info@kciincorporated.com
Web Address:	www.kciincorporated.com
Emergency Phone:	CHEMTREC (24-Hour) 1-800-424-9300
Date of Preparation:	May 11, 2015
OSHA Regulatory Status:	Regulated
WHMIS Classification:	B5, D2A

## Section 2: Hazard Identification

### Classification of the Substance or Mixture:

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Reproductive Toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

## Emergency Overview

### DANGER

#### Hazard Statements

H315	Causes skin irritation
H319	Causes serious eye irritation
H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H336	May cause drowsiness or dizziness
H373	May cause damage to organs (Central Nervous System, Eyes, Kidney, Liver, Respiratory System, and Skin) through prolonged or repeated exposure
H304	May be fatal if swallowed and enters airways
H222	Extremely flammable aerosol
H280	Contains gas under pressure; may explode if heated



**Appearance:** Opaque

**Physical State:** Aerosol

**Odor:** Solvent

#### Precautionary Statements - Prevention

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P280	Wear protective gloves/protective clothing/eye protection/face protection
P264	Wash face, hands and any exposed skin thoroughly after handling
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P271	Use only outdoors or in a well-ventilated area
P210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking
P211	Do not spray on an open flame or other ignition source
P251	Pressurized container: Do not pierce or burn, even after use

#### Precautionary Statements - Response

P308 + P313	IF EXPOSED OR CONCERNED: Get medical advice/attention
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	IF EYE IRRITATION PERSISTS: Get medical advice/attention
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor/physician if you feel unwell
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P331	Do NOT induce vomiting

### Precautionary Statements - Storage

P405	Store locked up
P403 + P233	Store in a well-ventilated place. Keep container tightly closed
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

### Precautionary Statements - Disposal

P501	Dispose of contents/container to an approved waste disposal plant
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HAZARDS NOT OTHERWISE CLASSIFIED (HNOC): None

#### OTHER INFORMATION:

- Toxic to aquatic life with long lasting effects
- 0% of the mixture consists of ingredient(s) of unknown toxicity

### Section 3: Composition and Information on Ingredients

Chemical Name	CAS-No	Weight %*
ZINC POWDER	7440-66-6	20-30
ACETONE	67-64-1	20-30
PROPANE/ISOBUTANE/N-BUTANE	68476-86-8	20-30
TOLUENE	108-88-3	1-10
XYLENE	1330-20-7	1-10
BUTYL ACETATE	123-86-4	1-10
ETHYL BENZENE	100-41-4	1-10

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

### Section 4: First Aid Measures

#### First Aid Measures for Different Exposure Routes

**GENERAL ADVICE:** Avoid contact with eyes, skin, and clothing. Avoid breathing, vapors, mist, or gas.

**EYE CONTACT:** Rinse thoroughly with plenty of water for at least 15 minutes. Consult a physician if irritation persists.

**SKIN CONTACT:** Wash off immediately with plenty of water. Get medical attention immediately if symptoms occur.

**INHALATION:** Move to fresh air. Call a physician immediately. If not breathing, give artificial respiration. If breathing has stopped, contact emergency medical services immediately.

**INGESTION:** Do NOT induce vomiting. Call a physician immediately. Never give anything by mouth to an unconscious person. Risk of product entering the lungs on vomiting after ingestion.

#### Most Important Symptoms/Effects, Acute and Delayed

**MAIN SYMPTOMS:** Irritating to skin. Causes eye irritation. Inhalation causing Central Nervous System effects. Ingestion causing lung damage.

#### Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary

**NOTES TO PHYSICIAN:** Treat symptomatically.

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## **Section 5: Fire Fighting Measures**

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SUITABLE EXTINGUISHING MEDIA: Water fog, dry chemical, Carbon dioxide (CO<sub>2</sub>). Cool containers / tanks with water spray.

UNSUITABLE EXTINGUISHING MEDIA: Do not use a solid water stream as it may scatter and spread fire.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: Flammable or extremely flammable aerosol. Container may burst in fire.

### **Explosion Data**

SENSITIVITY TO MECHANICAL IMPACT: none.

SENSITIVITY TO STATIC DISCHARGE: Yes.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use shielding to protect fire-fighters from bursting containers.

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## **Section 6: Accidental Release Measures**

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### **Personal Precautions, Protective Equipment and Emergency Procedures**

PERSONAL PRECAUTIONS: Use with adequate ventilation to keep the exposure levels below the OELS.

### **Environmental Precautions**

ENVIRONMENTAL PRECAUTIONS: Report spills as required by local and federal regulations.

### **Methods and Materials for Containment and Cleaning Up**

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEANING UP: Contain liquid and collect with an inert, non-combustible material.

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## **Section 7: Handling and Storage**

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### **Precautions for Safe Handling**

ADVICE ON SAFE HANDLING: Avoid contact with eyes. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Do not stick pin or any other sharp object into opening on top of can. Avoid skin contact. Use with adequate ventilation. Keep container away from heat, flames, and all other sources of ignition. Keep can away from all sources of electricity such as electric motors and batteries. Do not spray on hot surfaces.

### **Conditions for Safe Storage, Including Any Incompatibilities**

TECHNICAL MEASURES/STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool and well-ventilated place.

INCOMPATIBLE PRODUCTS: Store away from strong oxidizers and acids.

AEROSOL LEVEL: 2

## Section 8: Exposure Controls / Personal Protection

### Control Parameters

#### EXPOSURE GUIDELINES

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ACETONE 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m <sup>3</sup> (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> (vacated) STEL: 2400 mg/m <sup>3</sup> The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m <sup>3</sup>
PROPANE/ISOBUTANE/ N-BUTANE 68476-86-8	74-98-6: TWA: 1000 ppm 106-97-8: STEL: 1000 ppm 75-28-5: STEL: 1000 ppm	74-98-6:TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup> 106-97-8: (vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	74-98-6:IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> 106-97-8:TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup> 75-28-5:TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
TOLUENE 108-88-3	TWA: 20 ppm	TWA: 200 ppm (vacated) TWA: 100 ppm (vacated) TWA: 375 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 560 mg/m <sup>3</sup> Ceiling: 300 ppm	IDLH: 500 ppm TWA: 100 ppm TWA: 375 mg/m <sup>3</sup> STEL: 150 ppm STEL: 560 mg/m <sup>3</sup>
XYLENE 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m <sup>3</sup>	-
BUTYL ACETATE 123-86-4	STEL: 200 ppm TWA: 150 ppm	TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m <sup>3</sup> (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m <sup>3</sup>	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m <sup>3</sup> STEL: 200 ppm STEL: 950 mg/m <sup>3</sup>
ETHYL BENZENE 100-41-4	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m <sup>3</sup> (vacated) STEL: 125 ppm (vacated) STEL: 545 mg/m <sup>3</sup>	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>

**ACGIH:** (American Conference of Governmental Industrial Hygienists)

**OSHA:** (Occupational Safety & Health Administration)

**NIOSH IDLH:** Immediately Dangerous to Life or Health

**OTHER EXPOSURE GUIDELINES:** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

## Exposure Controls

ENGINEERING MEASURES: Use adequate ventilation to keep the exposure levels below the OELs.

## Individual Protection Measures, Such as Personal Protective Equipment

EYE/FACE PROTECTION: Safety glasses with side-shields.

SKIN AND BODY PROTECTION: Chemical resistant apron. Protective gloves.

RESPIRATORY PROTECTION: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

HYGIENE MEASURES: Handle in accordance with good industrial hygiene and safety practice.

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## Section 9: Physical and Chemical Properties

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<u>PHYSICAL STATE</u> :	Aerosol
<u>APPEARANCE</u> :	Opaque
<u>COLOR</u> :	Gray
<u>ODOR</u> :	Solvent
<u>ODOR THRESHOLD</u> :	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Methods</u>
pH:	No information available	not applicable
<u>MELTING/FREEZING POINT</u> :	No information available	
<u>BOILING POINT/BOILING RANGE</u> :	No information available	
<u>FLASH POINT</u> :	-96.4 °C / -141 °F	Based on propellant
<u>EVAPORATION RATE</u> :	No information available	
<u>FLAMMABILITY (SOLID, GAS)</u> :	No information available	
<u>FLAMMABILITY LIMITS IN AIR</u> :		
Upper Flammability Limit	No information available	
Lower Flammability Limit	No information available	
<u>VAPOR PRESSURE</u> :	No information available	
<u>VAPOR DENSITY</u> :	No information available	
<u>SPECIFIC GRAVITY</u> :	1.301	
<u>WATER SOLUBILITY</u> :	Practically insoluble	
<u>PARTITION COEFFICIENT</u> : n-octanol/water	No information available	
<u>AUTOIGNITION TEMPERATURE</u> :	No information available	Not applicable
<u>DECOMPOSITION TEMPERATURE</u> :	No information available	
<u>VISCOSITY</u> :	No information available	
<u>EXPLOSIVE PROPERTIES</u> :	No information available	

### Other Information

<u>VOC CONTENT (%)</u> :	43.87
<u>MIR VALUE</u> :	1.16
<u>MIR COATING CATEGORY</u> :	PCP - Primers

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## Section 10: Stability and Reactivity

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REACTIVITY: No data available.

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing.

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.

INCOMPATIBLE MATERIALS: Store away from strong oxidizers and acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides.

## Section 11: Toxicological Information

### Information on Likely Routes of Exposure

**PRODUCT INFORMATION:** Product does not present an acute toxicity hazard based on known information

**INHALATION:** Exposure to high vapor concentrations may cause nervous systems effects such as headache, nausea, and dizziness.

**EYE CONTACT:** Irritating to eyes.

**SKIN CONTACT:** Irritating to skin. Prolonged skin contact may defat the skin and produce dermatitis.

**INGESTION:** Not acutely toxic. Aspiration into the lungs during swallowing may cause serious lung damage which may be fatal.

### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
ACETONE 67-64-1	= 5800 mg/kg	20,000 mg/kg (Rabbit)	= 50100 mg/m <sup>3</sup> ( Rat ) 8 h
TOLUENE 108-88-3	= 2600 mg/kg ( Rat )	= 12000 mg/kg ( Rabbit )	= 12.5 mg/L ( Rat ) 4 h
XYLENE 1330-20-7	= 3500 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h
BUTYL ACETATE 123-86-4	= 14000 mg/kg ( Rat )	> 17600 mg/kg ( Rabbit )	= 390 ppm ( Rat ) 4 h
ETHYL BENZENE 100-41-4	-	= 15400 mg/kg ( Rabbit )	-

### Information on Toxicological Effects

**SYMPTOMS:** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to respiratory system. Irritating to skin. May cause irritation to eyes. May be harmful or fatal if ingested.

### Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

**SKIN CORROSION/IRRITATION:** Irritating to skin.

**EYE DAMAGE/IRRITATION:** Irritating to eyes.

**SENSITIZATION:** No information available.

**GERM CELL MUTAGENICITY:** No information available.

**CARCINOGENICITY:** The table below indicates whether each agency has evaluated a listed ingredient as a carcinogen. There are no known carcinogenic chemicals in this product.

Chemical Name	ACGIH	IARC	NTP	OSHA
TOLUENE 108-88-3	-	Group 3	-	-
XYLENE 1330-20-7	-	Group 3	-	-
ETHYL BENZENE 100-41-4	A3	Group 2B	-	-

**ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

**IARC: (International Agency for Research on Cancer)**

Group 2B - Possibly Carcinogenic to Humans

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**OSHA: (Occupational Safety & Health Administration)**

X - Present

**REPRODUCTIVE TOXICITY:** Contains ingredients that are suspected reproductive hazards.

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (SINGLE EXPOSURE):** May cause drowsiness and dizziness.

**SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY (REPEATED EXPOSURE):** May cause damage to organs through prolonged or repeated exposure.

**CHRONIC TOXICITY:** Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Chronic hydrocarbon abuse has been associated with irregular heart rhythms and potential cardiac arrest. Prolonged skin contact may defat the skin and produce dermatitis.

**TARGET ORGAN EFFECTS:** Central nervous system, Eyes, Kidney, Liver, Respiratory system, Skin.

**ASPIRATION HAZARD:** May be fatal if swallowed and enters airways.

### Numerical Measures of Toxicity - Product Information

**UNKNOWN ACUTE TOXICITY:** 0% of the mixture consists of ingredient(s) of unknown toxicity

**The following values are calculated based on chapter 3.1 of the GHS document :**

**ATEmix (oral):** 920 mg/kg

**ATEmix (dermal):** 2501 mg/kg

**ATEmix (inhalation-gas):** 93360 mg/l

**ATEmix (inhalation-dust/mist):** 21.8 mg/l

**ATEmix (inhalation-vapor):** 106 mg/l

## Section 12: Ecological Information

### Ecotoxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
ZINC POWDER 7440-66-6	0.11 - 0.271 mg/L EC50 Pseudokirchneriella subcapitata 96h static 0.09 - 0.125 mg/L EC50 Pseudokirchneriella subcapitata 72h static	0.211 - 0.269 mg/L LC50 Pimephales promelas 96h semi-static 2.16 - 3.05 mg/L LC50 Pimephales promelas 96h flow-through 0.24 mg/L LC50 Oncorhynchus mykiss 96h flow-through 0.41 mg/L LC50 Oncorhynchus mykiss 96h static 0.45 mg/L LC50 Cyprinus carpio 96h semi-static 0.59 mg/L LC50 Oncorhynchus mykiss 96h semi-static 2.66 mg/L LC50 Pimephales promelas 96h static 3.5 mg/L LC50 Lepomis macrochirus 96h static 30 mg/L LC50 Cyprinus carpio 96h 7.8 mg/L LC50 Cyprinus carpio 96h static	-	0.139 - 0.908 mg/L EC50 Daphnia magna 48h Static
ACETONE 67-64-1	-	4.74 - 6.33 mL/L LC50 Oncorhynchus mykiss 96h 6210 - 8120 mg/L LC50 Pimephales promelas 96h static 8300 mg/L LC50 Lepomis macrochirus 96h	-	10294 - 17704 mg/L EC50 Daphnia magna 48h Static 12600 - 12700 mg/L EC50 Daphnia magna 48
PROPANE/ISOBUTANE/ N-BUTANE 68476-86-8	-	-	-	-



<p>TOLUENE 108-88-3</p>	<p>433 mg/L EC50 Pseudokirchneriella subcapitata 96h 12.5 mg/L EC50 Pseudokirchneriella subcapitata 72h static</p>	<p>11.0 - 15.0 mg/L LC50 Lepomis macrochirus 96h static 14.1 - 17.16 mg/L LC50 Oncorhynchus mykiss 96h static 15.22 - 19.05 mg/L LC50 Pimephales promelas 96h flow-through 5.89 - 7.81 mg/L LC50 Oncorhynchus mykiss 96h flow-through 50.87 - 70.34 mg/L LC50 Poecilia reticulata 96h static 12.6 mg/L LC50 Pimephales promelas 96h static 28.2 mg/L LC50 Poecilia reticulata 96h semi-static 5.8 mg/L LC50 Oncorhynchus mykiss 96h semi-static 54 mg/L LC50 Oryzias latipes 96h static</p>	<p>-</p>	<p>5.46 - 9.83 mg/L EC50 Daphnia magna 48h Static 11.5 mg/L EC50 Daphnia magna 48h</p>
<p>XYLENE 1330-20-7</p>	<p>-</p>	<p>13.1 - 16.5 mg/L LC50 Lepomis macrochirus 96h flow-through 13.5 - 17.3 mg/L LC50 Oncorhynchus mykiss 96h 2.661 - 4.093 mg/L LC50 Oncorhynchus mykiss 96h static 23.53 - 29.97 mg/L LC50 Pimephales promelas 96h static 30.26 - 40.75 mg/L LC50 Poecilia reticulata 96h static 7.711 - 9.591 mg/L LC50 Lepomis macrochirus 96h static 13.4 mg/L LC50 Pimephales promelas 96h flow-through 19 mg/L LC50 Lepomis macrochirus 96h 780 mg/L LC50 Cyprinus carpio 96h semi-static 780 mg/L LC50 Cyprinus carpio 96h</p>	<p>-</p>	<p>0.6 mg/L LC50 Gammarus lacustris 48h 3.82 mg/L EC50 water flea 48h</p>
<p>BUTYL ACETATE 123-86-4</p>	<p>674.7 mg/L EC50 Desmodesmus subspicatus 72h</p>	<p>17 - 19 mg/L LC50 Pimephales promelas 96h flow-through 100 mg/L LC50 Lepomis macrochirus 96h static</p>	<p>-</p>	<p>-</p>
<p>ETHYL BENZENE 100-41-4</p>	<p>4.6 mg/L EC50 Pseudokirchneriella subcapitata 72h 438 mg/L EC50 Pseudokirchneriella subcapitata 96h 2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72h static 1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96h static</p>	<p>11.0 - 18.0 mg/L LC50 Oncorhynchus mykiss 96h static 7.55 - 11 mg/L LC50 Pimephales promelas 96h flow-through 9.1 - 15.6 mg/L LC50 Pimephales promelas 96h static 32 mg/L LC50 Lepomis macrochirus 96h static 4.2 mg/L LC50 Oncorhynchus mykiss 96h semi-static 9.6 mg/L LC50 Poecilia reticulata 96h static</p>	<p>-</p>	<p>1.8 - 2.4 mg/L EC50 Daphnia magna 48h</p>

**PERSISTENCE AND DEGRADABILITY:** No information available.

**BIOACCUMULATION:** No information available.

Chemical Name	log Pow
ACETONE 67-64-1	-0.24
PROPANE/ISOBUTANE/N-BUTANE 68476-86-8	2.8
TOLUENE 108-88-3	2.65
XYLENE 1330-20-7	3.15
BUTYL ACETATE 123-86-4	1.81
ETHYL BENZENE 100-41-4	3.118

**OTHER ADVERSE EFFECTS:** No information available

### Section 13: Disposal Considerations

#### Waste Treatment

**WASTE DISPOSAL METHODS:** Dispose of in accordance with federal, state, and local regulations.

**CONTAMINATED PACKAGING:** Do not re-use empty containers.

### Section 14: Transportation Information

**DOT GROUND:** CONSUMER COMMODITY ORM-D  
or LIMITED QUANTITY

**IATA:** UN1950, AEROSOLS, FLAMMABLE, 2.1, LTD. QTY.

**IMDG:** UN1950, AEROSOLS, 2.1, LTD. QTY.

### Section 15: Regulatory Information

#### INTERNATIONAL INVENTORIES

Chemical Name	TSCA	DSL/NDSL	EINECS/ ELINCS	ENCS	IECSC	KECL	PICCS	AICS
ZINC POWDER	X	X	X	Not listed	X	X	X	X
ACETONE	X	X	X	X	X	X	X	X
PROPANE/ISOBUTANE/ N-BUTANE	X	X	X	Not listed	X	X	X	X
TOLUENE	X	X	X	X	X	X	X	X
XYLENE	X	X	X	X	X	X	X	X
BUTYL ACETATE	X	X	X	X	X	X	X	X
ETHYL BENZENE	X	X	X	X	X	X	X	X

#### Legend:

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## U.S. FEDERAL REGULATIONS

### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %*	SARA 313 - Threshold Values %
ZINC POWDER 7440-66-6	7440-66-6	20-30	1.0
TOLUENE 108-88-3	108-88-3	1-10	1.0
XYLENE 1330-20-7	1330-20-7	1-10	1.0
ETHYL BENZENE 100-41-4	100-41-4	1-10	0.1

### SARA 311/312 Hazard Categories

ACUTE HEALTH HAZARD: Yes

CHRONIC HEALTH HAZARD: Yes

FIRE HAZARD: Yes

SUDDEN RELEASE OF PRESSURE HAZARD: Yes

REACTIVE HAZARD: No

### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Chemical Name	CWA Reportable Quantities	CWA Toxic Pollutants	CWA Priority Pollutants	CWA Hazardous Substances
ZINC POWDER 7440-66-6		X	X	
TOLUENE 108-88-3	1000 lb	X	X	X
XYLENE 1330-20-7	100 lb			X
BUTYL ACETATE 123-86-4	5000 lb			X
ETHYL BENZENE 100-41-4	1000 lb	X	X	X

## CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302): This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
ZINC POWDER 7440-66-6	1000 lb		RQ 454 kg final RQ RQ 1000 lb final RQ
ACETONE 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
TOLUENE 108-88-3	1000 lb 1 lb		RQ 1000 lb final RQ RQ 454 kg final RQ RQ 1 lb final RQ RQ 0.454 kg final RQ
XYLENE 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ
BUTYL ACETATE 123-86-4	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
ETHYL BENZENE 100-41-4	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ

## U.S. State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals:

Chemical Name	California Prop. 65
TOLUENE 108-88-3	Developmental Female Reproductive
ETHYL BENZENE 100-41-4	Carcinogen

## U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ZINC POWDER 7440-66-6	X	X	X
ACETONE 67-64-1	X	X	X
TOLUENE 108-88-3	X	X	X
XYLENE 1330-20-7	X	X	X
BUTYL ACETATE 123-86-4	X	X	X
ETHYL BENZENE 100-41-4	X	X	X

**EPA PESTICIDE REGISTRATION NUMBER:** Not applicable

## Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

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## Section 16: Other Information

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<b>NFPA:</b>	Health Hazard   2	Flammability   4	Instability   0	Physical and Chemical Hazards   -
<b>HMIS:</b>	Health Hazard   2	Flammability   4	Physical Hazard   1	Personal Protection   B

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This SDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. KCI provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of KCI. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made.