

Material Safety Data Sheet

109 Zinc Galvanizing (Aerosol)

Section 1: Product Information

Supplier's Name

TECHNIWELD

Manufacturer's Name

KCI, Inc.

Address

2300 Winston Park Dr
Oakville, ON L6H 7T7

Address

3710 N. Davidson Street
Charlotte, N.C. 28205

Telephone Number

(905) 829-8780
1-800-268-4833

Telephone Number

Chemtrec (24 Hour)
1-800-424-9300

Trade Name

Chemical Family

N/A

Chemical Formula:

N/A

Product Use

Paint for rust proofing metal

Section 2: Hazardous Ingredients

Ingredient	Approx. Concentration %	CAS Number	OSHA PEL mg/m3	ACGIH-TLV mg/m3	LC50	LD50
*Toluene	1-10	108-88-3	200	50	N/A	N/A
*Acetone	10-20	67-64-1	1000	750	N/A	N/A
*Diacetone Alcohol	1-10	123-42-2	50	50	N/A	N/A
*Aliphatic Distillates	1-10	8052-41-3	100	100	N/A	N/A
*Xylene	1-10	1330-20-7	100	100	N/A	N/A
*Propane, Isobutane, N-Butane	20-30	74-98-6	1000	1000	N/A	N/A
Zinc Compounds	30-40	7440-66-6	100	100	N/A	N/A

Section 3: Physical Data

Physical State: Liquid	Boiling Point: -40 °F to 383°F
Odour and Appearance: Gray. Solvent odour	Freezing Point: N/A
Odour Threshold (PPM): N/A	Solubility in Water (20°C): None
Specific Gravity: 1.0	% Volatile (by Volume): N/A
Vapour Pressure:(mmHg) 63	PH: N/A
Vapour Density (Air =1): 4.0	Coefficient of Water/Oil Distribution: N/A
Evaporation Rate: <1	

Section 4: Fire or Explosion Hazard

Flammable: **YES**
Means of Extinction: **Water fog, CO2 or dry chemical**
Special Firefighting Procedures: **Aerosol cans may rupture when heated.**
Unusual Fire and Explosion hazards: **Heated cans may burst.**
Flashpoint: **-142°F/TCC**
Upper Explosion Limit (% by volume): **9.5**
Lower Explosion Limit (% by Volume): **1.80**
Auto ignition Temperature: N/A
Hazardous Combustion Products: N/A
Explosion data-sensitivity to mechanical impact: N/A
Explosion data-sensitivity to static discharge: N/A

Section 5: Reactivity Data

Chemical Stability: **Yes**
Incompatibility to other substances: **Yes**
If so, which ones? **Avoid strong oxidizers. Not compatible with active metals.**
Reactivity under what conditions? N/A
Hazardous decomposition products: **In fire, will decompose H2O, CO2, and halogen acids and phosgene.**

Section 6: Toxicological Properties

Route of Entry:
Skin **Yes**
Eye Contact: No
Inhalation Acute: **Yes**
Inhalation Chronic **Yes**
Ingestion: **Yes**

Effects of acute exposure to material:

May cause dizziness or narcosis in high vapor concentrations. Will cause defatting of the skin. Long-term exposure may cause lung, liver or kidney damage. The solvents listed have been reported to affect the central nervous system.

Effects of over-exposure: Eyes-Can cause severe irritation, tearing or blurred vision.

Skin- Prolonged or repeated contact can cause moderate irritation, defatting, dermatitis.

Breathing- Excessive inhalation of vapors can cause some nasal, respiratory irritation, dizziness weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation. Swallowing-may result in gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis that can be fatal.

Effects of chronic exposure to the material:

Over exposure has been found to cause anemia and kidney damage in laboratory animals.

Also, reports have associated permanent brain damage with any repeated and prolonged over exposure to solvents among persons engaged in the painting trade.

Signs and Symptoms of Exposure: May cause irritation to skin and eyes. Ingestion-vomiting.

Exposure Limits	*	Reproductive Toxicity	*
Irritancy of Material	Skin, eyes	Teratogenicity	N/A
Sensitization to Material	N/A	Mutagenicity	*
Carcinogen	Presently not on any list	Toxicologically synergistic products	N/A

- See additional information

Section 7: Preventive Measures

Personal Protective Equipment:

***Cover goggles**

***Self contained breathing apparatus if TLV limit is exceeded.**

*** Long sleeves and long pants**

*** Protective gloves not required if spraying**

Do not smoke while using. Wash hands after use.

Engineering Controls:

Local exhaust

Leak or spill procedure:

Add absorbent, sweep up and discard. Dispose of absorbent as hazardous material.

Handling procedures and equipment:

Keep away from heat, sparks and open flame. Do not smoke while using.

Wash hands after use.

Waste Disposal:

Material resulting from clean up may be hazardous and subject to local, provincial and federal regulations.

Storage Requirements:

Store at temperatures below 49°C (120°F)

Special shipping Information: N/A

Section 8: First Aid Measures

Eyes: Flush with water for 15 minutes.

Skin: Wash with soap and water

Ingestion: Drink water. **NEVER INDUCE VOMITING.**

Inhalation: Remove to fresh air. Call physician.

Section 9: Preparation Information

Prepared by: Techniweld
(905) 829-8780
1-800-268-4833

Date Prepared: January 1, 2015

Additional Information:

Statement for Zinc Galvanizing (Aerosol)

The acceptable ceiling concentration for toluene is 300 ppm. Acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift is 500 ppm for 10 minutes for toluene.

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Super Fund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name is sold. This statement must remain part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

California Proposition 65 Information Warning: **THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.**

Acetone CAS#67-46-1
Zinc CAS#7440-66-6
Isobutane CAS#75-28-5
Butane CAS#106-97-8

HNIS Rating	NFPA Rating	4-Severe Hazard
Health-1	Health-2	3-Serious Hazard
Flammability-4	Flammability-4	2-Moderate Hazard
Reactivity-0	Reactivity-0	1-Slight Hazard
Other-0	Other-0	0-Minimal Hazard

Disclaimer of Expressed or Implied Warranties:

The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.

