



**Safety Data Sheet**  
 prepared to UN GHS Revision 3

## 1. Identification of the Substance/Mixture and the Company/Undertaking

- 1.1 Product Identifier** 0229B1NL
- Product Name:** ZINC FILLER TYPE II (fka SPECIAL ZINC FILLER) **Revision Date:** 07/17/2015
- 1.2 Relevant identified uses of the substance or mixture and uses advised against** Component of multicomponent industrial coatings - Industrial use. **Supersedes Date:** 05/30/2015
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer:** Carboline Company  
 2150 Schuetz Road  
 St. Louis, MO USA 63146
- Regulatory / Technical Information:  
 Contact Carboline Technical Services at  
 1-800-848-4645
- Datasheet Produced by:** Schlereth, Ken - ehs@stoncor.com
- 1.4 Emergency telephone number:** CHEMTREC 1-800-424-9300 (Inside US)  
 CHEMTREC +1 703 5273887 (Outside US)  
 HEALTH - Pittsburgh Poison Control 1-412-681-6669

## 2. Hazard Identification

- 2.1 Classification of the substance or mixture**
- Hazardous to the aquatic environment, Acute, category 1  
 Hazardous to the aquatic environment, Chronic, category 1
- 2.2 Label elements**

### Symbol(s) of Product



### Signal Word

Warning

### Named Chemicals on Label

**GHS HAZARD STATEMENTS**

Hazardous to the aquatic environment, Acute, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, Chronic, category 1	H410	Very toxic to aquatic life with long lasting effects.

**GHS PRECAUTION PHRASES**

P273	Avoid release to the environment.
P391	Collect spillage.

**2.3 Other hazards**

Not applicable

**Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**3. Composition/Information On Ingredients****3.2 Mixtures****Hazardous Ingredients**

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>%</u>
7440-66-6	ZINC (DUST OR FUME)	75-100
1314-13-2	ZINC OXIDE	1.0-2.5

<u>CAS-No.</u>	<u>GHS Symbols</u>	<u>GHS Hazard Statements</u>	<u>M-Factors</u>
7440-66-6	GHS09	H400-410	0
1314-13-2	GHS09	H400-410	0

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.**4. First-aid Measures****4.1 Description of First Aid Measures****AFTER INHALATION:** Give oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.**AFTER SKIN CONTACT:** Wash off with warm water and soap.**AFTER EYE CONTACT:** Flush eyes with water as a precaution. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.**AFTER INGESTION:** Do NOT induce vomiting. Obtain medical attention. Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.**4.2 Most important symptoms and effects, both acute and delayed**

This product has been tested and shown to fall well below the level of gas emission when exposed to water (49CFR Part 173 E, 4) and is, therefore, not a regulated product and is not defined as dangerous when wet. Product is packaged in steel or plastic water tight containers.

**4.3 Indication of any immediate medical attention and special treatment needed**

No Information

**5. Fire-fighting Measures****5.1 Extinguishing Media:**

Carbon Dioxide, Dry Chemical, Foam, Water Fog

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** No Information**5.2 Special hazards arising from the substance or mixture**

No Information

**5.3 Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus.

**6. Accidental Release Measures****6.1 Personal precautions, protective equipment and emergency procedures**

In the case of dust or aerosol formation use respirator with an approved filter.

**6.2 Environmental precautions**

No Information

**6.3 Methods and material for containment and cleaning up**

No Information

**6.4 Reference to other sections**

No Information

**7. Handling and Storage****7.1 Precautions for safe handling**

**INSTRUCTIONS FOR SAFE HANDLING :** Keep containers dry and tightly closed to avoid moisture absorption and contamination. Do not smoke. Avoid dust formation. Protect from moisture. Avoid breathing vapors, mist or gas.

**PROTECTION AND HYGIENE MEASURES :** Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust. Avoid contact with the skin and the eyes.

**7.2 Conditions for safe storage, including any incompatibilities**

**CONDITIONS TO AVOID:** Keep from any possible contact with water.

**STORAGE CONDITIONS:** Keep container closed when not in use. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

**7.3 Specific end use(s)**

No Information

**8. Exposure Controls/Personal Protection****8.1 Control parameters****Ingredients with Occupational Exposure Limits (US)**

<u>Name</u>	<u>%</u>	<u>ACGIH TLV- TWA</u>	<u>ACGIH TLV- STEL</u>	<u>OSHA PEL- TWA</u>	<u>OSHA PEL- CEILING</u>	<u>OEL Note</u>
ZINC (DUST OR FUME)	75-100	N/E	N/E	5.0 MG/M3	N/E	
ZINC OXIDE	1.0-2.5	2 MGM3	10 MGM3	5 MGM3	N/E	

**FURTHER INFORMATION:** No Information

**8.2 Exposure controls****Personal Protection**

**RESPIRATORY PROTECTION:** Dust safety masks are recommended when the dust concentration is more than 10 mg/m3. Respirator must be worn if exposed to dust. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

**EYE PROTECTION:** Safety glasses with side-shields.

**HAND PROTECTION:** Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Impervious gloves Request information on glove permeation properties from the glove supplier.

**OTHER PROTECTIVE EQUIPMENT:** Ensure that eyewash stations and safety showers are close to the workstation location. Lightweight protective clothing

**ENGINEERING CONTROLS:** Maintain air concentrations below occupational exposure standards.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Blue - Grey Powder
<b>Physical State</b>	Solid
<b>Odor</b>	Odorless
<b>Odor threshold</b>	N/D
<b>pH</b>	N/A
<b>Melting point / freezing point (°C)</b>	N/A
<b>Boiling point/range (°C)</b>	N/D - .
<b>Flash Point, (°C)</b>	999
<b>Evaporation rate</b>	N/A
<b>Flammability (solid, gas)</b>	Not determined
<b>Upper/lower flammability or explosive limits</b>	N/D - N/D
<b>Vapour Pressure, mmHg</b>	N/A
<b>Vapour density</b>	N/A
<b>Relative density</b>	Not determined
<b>Solubility in / Miscibility with water</b>	N/D
<b>Partition coefficient: n-octanol/water</b>	Not determined
<b>Auto-ignition temperature (°C)</b>	Not determined
<b>Decomposition temperature (°C)</b>	Not determined
<b>Viscosity</b>	Unknown
<b>Explosive properties</b>	Not determined
<b>Oxidising properties</b>	Not determined

### 9.2 Other information

<b>VOC Content g/l:</b>	
<b>Specific Gravity (g/cm<sup>3</sup>)</b>	7.109

## 10. Stability and Reactivity

### 10.1 Reactivity

No Information

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Keep from any possible contact with water.

### 10.5 Incompatible materials

Keep away from oxidising agents and strongly acid or alkaline materials. Strong oxidizing agents.

**10.6 Hazardous decomposition products**

Preparation reacts slowly with water resulting in evolution of hydrogen.

**11. Toxicological Information****11.1 Information on toxicological effects****Acute Toxicity:**

Oral LD50: N/D

Inhalation LC50: N/D

Irritation: Unknown

Corrosivity: Unknown

Sensitization: Unknown

Repeated dose toxicity: Unknown

Carcinogenicity: Unknown

Mutagenicity: Unknown

Toxicity for reproduction: Unknown

**If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.**

Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
7440-66-6	ZINC (DUST OR FUME)	>2000 mg/kg, oral, rat		>5.4 mg/L, / 4Hr ,rat, inh
1314-13-2	ZINC OXIDE	15000 mg/kg, oral, rat		Not Available

**Additional Information:**

This product has been tested and shown to fall well below the level of gas emission when exposed to water (49CFR Part 173 E, 4) and is, therefore, not a regulated product and is not defined as dangerous when wet. Product is packaged in steel or plastic water tight containers.

**12. Ecological Information****12.1 Toxicity:**

EC50 48hr (Daphnia): Unknown

IC50 72hr (Algae): Unknown

LC50 96hr (fish): Unknown

**12.2 Persistence and degradability:** Unknown**12.3 Bioaccumulative potential:** Unknown**12.4 Mobility in soil:** Unknown

**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/vPvB in accordance with Annex XIII.

**12.6 Other adverse effects:** Unknown

<u>CAS-No.</u>	<u>Chemical Name</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
7440-66-6	ZINC (DUST OR FUME)	No information	No information	No information
1314-13-2	ZINC OXIDE	No information	No information	No information

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** Dispose of in accordance with local regulations.

## 14. Transport Information

<b>14.1 UN number</b>	None
<b>14.2 UN proper shipping name</b>	Not Regualted
<b>Technical name</b>	N/A
<b>14.3 Transport hazard class(es)</b>	None
<b>Subsidiary shipping hazard</b>	N/A
<b>14.4 Packing group</b>	N/A
<b>14.5 Environmental hazards</b>	
<b>14.6 Special precautions for user</b>	Unknown
<b>EmS-No.:</b>	N/A
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code</b>	Unknown

## 15. Regulatory Information

**15.1 Safety, health and environmental regulations/legislation for the substance or mixture:**

### U.S. Federal Regulations: As follows -

#### CERCLA - Sara Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Chronic Health Hazard

#### Sara Section 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

<u>Chemical Name</u>	<u>CAS-No.</u>
ZINC (DUST OR FUME)	7440-66-6
ZINC OXIDE	1314-13-2

#### Toxic Substances Control Act:

All components of this product are either listed on the TSCA Inventory or are exempt.

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA 12(b) components exist in this product.

**U.S. State Regulations: As follows -****New Jersey Right-to-Know:**

The following materials are non-hazardous, but are among the top five components in this product.

No NJ Right-To-Know components exist in this product.

**Pennsylvania Right-To-Know**

The following non-hazardous ingredients are present in the product at greater than 3%.

No PA Right-To-Know components exist in this product.

**California Proposition 65:**

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

<u>Chemical Name</u>	<u>CAS-No.</u>
CADMIUM	7440-43-9

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

<u>Chemical Name</u>	<u>CAS-No.</u>
CADMIUM	7440-43-9

**International Regulations: As follows -****\* Canadian DSL:**

No Information

**15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

**16. Other Information****Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Reasons for revision**

No Information

No Information

