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<b>Trade name:</b>	<b>Noalox<sup>®</sup> Anti Oxidant</b>
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**SECTION 1: Identification**

**Product identifier:** Noalox<sup>®</sup> Anti Oxidant.  
**Synonyms:** None available.  
**Product Code Number:** 30-024, 30-026, 30-030, 30-031, 30-032, 30-040.  
**SDS number:** ID019  
**Recommended use:** Anti oxidant.  
**Recommended restrictions:** Uses other than those recommended.

**Manufacturer/Importer/Supplier/Distributor information:**

**Company Name:** IDEAL INDUSTRIES, INC.  
**Company Address:** Becker Place,  
Sycamore, IL 60178  
**Company Telephone:** Office hours (Mon – Fri)  
7AM - 5 PM (CDT)  
(815)895-5181  
**Company Contact Name:** Darryl Docter.  
**Company Contact Email:** IDEAL@IDEALINDUSTRIES.COM  
**Emergency phone number:** 24 HOUR EMERGENCY NUMBER:  
(815)895-5181.

**SECTION 2: Hazard(s) identification**

**Classification of the chemical in accordance with paragraph (d) of §1910.1200:**

***Physical hazards***

Not classified as a physical hazard under GHS criteria.

***Health hazards***

Not classified as a physical hazard under GHS criteria.

***Environmental hazards***

Not classified as a physical hazard under GHS criteria.

**GHS Signal word:** Not applicable.

**GHS Hazard statement(s):** Not applicable.

**GHS Hazard symbol(s):** Not applicable

**GHS Precautionary statement(s):**

- Prevention:** No prevention precautionary statements required.
- Response:** No response precautionary statements required.
- Storage:** No storage precautionary related statements required.
- Disposal:** No disposal precautionary statements required.

**Hazard(s) not otherwise  
Classified (HNOC):**

None known.

**Percentage of ingredient(s) of unknown acute toxicity:**  
Not applicable.

**SECTION 3: Composition/information on ingredients**

**Mixture:**

<b>Chemical name</b>	<b>CAS#</b>	<b>Concentration (weight %)</b>
Zinc Dust	7440-66-6	15 - 20 %
Hydrophillic Fumed Silica	7631-86-9	1 – 5%

Note: The balance of the ingredients are not classified as hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

**SECTION 4: First-aid Measures**

**Description of necessary measures:**

**Inhalation:** If inhaled, move to fresh air. If not breathing, give artificial respiration. Get medical attention if symptoms persist.

**Skin contact:** In case of contact, Wash skin with soap and for at least 15 minutes. Remove contaminated clothing and thoroughly clean before reuse. Get medical attention if symptoms persist.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if symptoms persist.

**Ingestion:** Induce vomiting and consult physician or local poison control center.

**Most important symptoms/effects, acute and delayed:** None expected.

**Indication of immediate medical attention and special treatment needed:** If any symptoms are observed, contact a physician and give them this SDS sheet. If exposed or concerned: Get medical advice/attention.

#### **SECTION 5: Fire-fighting measures**

**Suitable extinguishing media:** Use dry chemical, carbon dioxide or foam.

**Unsuitable extinguishing media:** Do not use water. Water reacts with zinc dust.

**Specific hazards arising from the chemical:** Water or foam may cause a frothing reaction. Combustion products - Carbon monoxide, Carbon dioxide.

**Special protective equipment and precautions for fire-fighters:** For fire involving this material, do not enter any enclosed or confined fire space without proper protective equipment. Use self-contained breathing apparatus with full face shield to protect against the hazardous effects of combustion products and oxygen deficiencies. Keep fire exposed containers cool with water.

#### **SECTION 6: Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:** Stay upwind and away from spill/release. For large spillages, notify persons downwind of the spill/release, isolate immediate hazard area and keep unauthorized personnel out. Wear appropriate protective equipment, including respiratory protection, as conditions warrant (see Section 8). See Sections 2 and 7 for additional information on hazards and precautionary measures.

#### **Methods and material for containment and cleaning up:**

Persons not wearing protective equipment should be excluded from area of spill until cleanup has been completed. Wipe up, shovel or vacuum spilled material. Clean up spills immediately. Use absorbent media. Prevent run-off to sewers, streams or other bodies of water. If run-off occurs, notify proper authorities as required.

#### **SECTION 7: Handling and Storage**

**Precautions for safe handling:** Wash thoroughly after handling. Wear protective gloves/clothing and eye/face protection. Use good personal hygiene practices and wear appropriate personal protective equipment (see section 8).

**Conditions for safe storage, including any incompatibles:** Keep away from children, infants and pets. Keep in dry location. Keep container(s) tightly closed and properly labeled. Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Store in dry conditions at temperatures between 40 - 120 F.

"Empty" containers retain residue and may be dangerous. "Empty" drums should be completely drained, properly bunged, and promptly shipped to the supplier or a drum

reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION 8: Exposure controls/personal protection**

**Control Parameters:**

**Occupational exposure limits:**

<b>US OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200): Permissible Exposure Limits</b>		
<b>Substance</b>	<b>PEL-TWA (8 hour)</b>	<b>PEL-STEL (15 min)</b>
Zinc Dust	No data available	No data available
Hydrophillic Fumed Silica	80 mg/m <sup>3</sup> /(% SiO <sub>2</sub> )	No data available

<b>US ACGIH Threshold Limit Values</b>		
<b>Substance</b>	<b>TLV-TWA (8 hour)</b>	<b>TLV-STEL (15 min)</b>
Zinc Dust	No data available	No data available
Hydrophillic Fumed Silica	No data available	No data available

<b>NIOSH Exposure Limits</b>		
<b>Substance</b>	<b>TWA</b>	<b>STEL</b>
Zinc Dust	No data available	No data available
Hydrophillic Fumed Silica	6 mg/m <sup>3</sup>	No data available

**Appropriate engineering controls:** General (mechanical) room ventilation is expected to be adequate. Special local ventilation is recommended to keep dust below exposure limits.

**Individual protection measures, such as personal protective equipment:**

**Eye/face protection:** The use of OSHA compliant safety glasses or splash goggles are recommended.

**Skin and Hand protection:** None normally required. Use neoprene gloves if necessary.

**Respiratory protection:** Where protection from nuisance levels of dusts are desired, use type N95 (US) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH/OSHA.

**Other:** An eye fountain in work area is recommended.

**Thermal hazards:** No data available.

### SECTION 9: Physical and chemical properties

#### Appearance

<b>Physical state:</b>	Paste
<b>Form:</b>	Gray solid paste.
<b>Color:</b>	Gray.
<b>Odor:</b>	Mild odor.
<b>Odor threshold:</b>	No data available
<b>pH:</b>	6.5 – 8.0
<b>Melting point/freezing point:</b>	No data available
<b>Initial boiling point and boiling range:</b>	> 500°F
<b>Flash point:</b>	310°F
<b>Evaporation rate:</b>	No data available
<b>Flammability (solid, gas):</b>	Not applicable
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit – lower (%):</b>	Not applicable
<b>Flammability limit – upper (%):</b>	Not applicable
<b>Explosive limit – lower (%):</b>	Not applicable
<b>Explosive limit – upper (%):</b>	Not applicable
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative Density:</b>	1.04
<b>Solubility(ies):</b>	Moderate.
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Viscosity:</b>	No data available
<b>Other information:</b>	
<b>% Volatile by volume:</b>	None
<b>Percent solids by weight:</b>	~ 100%

### SECTION 10: Stability and Reactivity

<b>Reactivity:</b>	Not chemically reactive.
<b>Chemical stability:</b>	Stable under normal ambient and anticipated conditions of use.
<b>Possibility of hazardous reactions:</b>	Hazardous reactions not anticipated.
<b>Conditions to avoid:</b>	Avoid conditions of moisture or high humidity.
<b>Incompatible materials:</b>	Avoid strong oxidizers, strong acids and water.
<b>Hazardous decomposition Products:</b>	Excessive heat and burning may release oxides of carbon.

### SECTION 11: Toxicological information

**Information on likely routes of exposure:**

**Inhalation:** Not an expected route of entry.  
**Ingestion:** Not an expected route of entry.  
**Skin:** Skin contact is a potential route of entry.  
**Eyes:** Not an expected route of entry.

**Symptoms related to the physical, chemical, and toxicological characteristics:**

None normally expected.

**Delayed and immediate effects and chronic effects from short or long-term exposure:**

Upon prolonged contact, may cause temporary eye discomfort and damage to organs.

**Numerical measures of toxicity:**

**Ingredient Information:**

Substance	Test Type (species)	Value
Zinc Dust	LD <sub>50</sub> Oral (Rat)	No data available
	LD <sub>50</sub> Dermal (Rabbit)	No data available
	LC <sub>50</sub> Inhalation	No data available
Hydrophilic Fumed Silica	LD <sub>50</sub> Oral (Rat)	3160 mg/kg
	LD <sub>50</sub> Intravenous (Rat)	15 mg/kg
	LC <sub>50</sub> Inhalation (Rat)	> 200 gm/m <sup>3</sup> (1H)

**Product Acute Toxicity Estimates:**

Acute Oral Toxicity – no data available  
Acute Dermal Toxicity - no data available  
Acute Inhalation Toxicity - no data available

**Skin corrosion/irritation:**

No information available on the mixture, however none of the components have been classified to cause skin corrosion/irritation (or are below the concentration threshold for classification).

**Serious eye damage/eye irritation:**

No information available on the mixture, however none of the components have been classified to cause eye damage/irritation (or are below the concentration threshold for classification).

**Respiratory sensitization:**

No information available on the mixture, however none of the components have been classified as a respiratory sensitizer (or are below the concentration threshold for classification).

<b>Skin sensitization:</b>	No information available on the mixture, however none of the components have been classified as a skin sensitizer (or are below the concentration threshold for classification).
<b>Germ cell mutagenicity:</b>	No information available on the mixture, however none of the components have been classified for germ cell mutagenicity (or are below the concentration threshold for classification).
<b>Carcinogenicity:</b>	No information available on the mixture, however none of the components are listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA.
<b>Reproductive toxicity:</b>	No information available on the mixture, however none of the components have been classified for reproductive toxicity (or are below the concentration threshold for classification).
<b>Specific target organ toxicity- Single exposure:</b>	No information available on the mixture, however none of the components have been classified for STOT SE (or are below the concentration threshold for classification).
<b>Specific target organ toxicity- Repeat exposure:</b>	No information available on the mixture, however Hydrophilic Fumed Silica has been classified for STOT RE and may cause damage to organs over prolonged periods.
<b>Aspiration hazard:</b>	No information available on the mixture, however none of the components have been classified for aspiration hazard (or are below the concentration threshold for classification).
<b>Further information:</b>	No data available.

## **SECTION 12: Ecological information**

### **Ecotoxicity:**

**Product data:** No data available

**Ingredient Information:**

Substance	Test Type	Species	Value
Zinc Dust	LC <sub>50</sub>	Fish	No data available
	LC <sub>50</sub>	Aquatic crustacea	No data available
	EC <sub>50</sub>	Algae	No data available
Hydrophilic Fumed Silica	LC <sub>50</sub>	Fish	No data available
	LC <sub>50</sub>	Aquatic crustacea	No data available
	EC <sub>50</sub>	Algae	No data available

**Persistence and Degradability:** No data available

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other adverse effects:** No data available.

**SECTION 13: Disposal considerations**

**Disposal instructions:**

Contact a licensed professional waste disposal service to dispose of this material.

The generator of a waste is always responsible for making proper hazardous waste determinations and needs to consider state and local requirements in addition to federal regulations.

See Sections 7 and 8 for information on handling, storage and personal protection and Section 9 for physical/chemical properties. It is possible that the material as produced contains constituents which are not required to be listed in the SDS but could affect the hazardous waste determination. Additionally, use which results in chemical or physical change of this material could subject it to regulation as a hazardous waste.

**SECTION 14: Transport Information**

**US Department of Transportation Classification (49CFR)**

Identification number	UN 3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (contains Zinc dust)
Class / Division	9
Packing group	III
Poison Inhalation Hazard	No

**IMDG**

Identification number	UN 3077
Proper shipping name	Environmentally hazardous substance, solid, n.o.s. (contains Zinc dust)



Class / Division 9  
Packing group III

**IATA (Country variations may apply)**

Identification number UN 3077  
Proper shipping name Environmentally hazardous substance, solid, n.o.s.  
(contains Zinc dust)  
Class / Division 9  
Packing group III

**SECTION 15: Regulatory Information**

**Safety, health and environmental regulations specific for the product.**

**USA:**

**United States Federal Regulations:** This SDS complies with the OSHA, 29 CFR 1910.1200. The product is hazardous under OSHA.

**Toxic Substances Control Act (TSCA)** – All substances in this product are listed, as required, on the TSCA inventory.

**SARA Superfund and Reauthorization Act of 1986 Title III sections 302, 311,312 and 313:**

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

**CERCLA Hazardous Substance List, 40 CFR 302.4:**

None listed.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None listed.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3):** None listed.

**SARA Title III**

**Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A):** None listed.

**Section 311/312 (40 CFR 370):**

**Acute Health Hazard:** Yes

**Chronic Health Hazard:** Yes

**Fire Hazard:** No

**Pressure Hazard:** No

**Reactivity Hazard:** No

**Section 313 Toxic Release Inventory (40 CFR 372):**

This product contains the following materials that are subject to the reporting requirements of Section 313 of EPCRA: Zinc powder (stabilized).

**STATE REGULATIONS:**

This SDS contains specific health and safety data is applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

**California Proposition 65 (California Safe Drinking Water and Toxic Enforcement Act of 1986):** No components are listed on Prop 65.

**Massachusetts Right to Know:** Zinc powder (stabilized) and Silicon dioxide are listed on the Massachusetts Right to Know List.

**New Jersey Right to Know:** Zinc powder (stabilized) and Silicon dioxide are listed on the New Jersey Right to Know list.

**Pennsylvania Right to Know:** Zinc powder (stabilized) and Silicon dioxide are listed on the Pennsylvania Right to Know List.

**Canada WHMIS Hazard Class:** D2B – Very Toxic Material

**SECTION 16: Other information, including date of preparation or last revision.**

Revision Date: July 05, 2016

To the best of our knowledge, the information contained herein is accurate. However IDEAL INDUSTRIES INC. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.