



**Section 1: Information**

<b>Product Name</b>	<b>Ox-Gard Anti-Oxidant Compound</b>
<b>Product Code(s)</b>	<b>OX-100B</b>
<b>Recommended Usage</b>	<b>Lubricants, Greases and Release Products, Sealant</b>
<b>Manufacturer/Distributor</b>	<b>ECM Industries, LLC. (dba Gardner Bender)</b>
<b>Address</b>	16250 W Woods Edge Rd New Berlin, WI 53151
<b>Website</b>	www.ecmindustries.com
<b>Telephone Number</b>	1-800-624-4320
<b>EMERGENCY Telephone Number</b>	Chemtrec: (24/7) 800-424-9300 Or International 703-527-3887

**Section 2: Hazard Identification**

<b>Classification of the substance or mixture</b>	This chemical is not considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200).			
<b>GHS Label Elements</b>				
<b>Signal Word</b>	None			
<b>Hazard Statement</b>	The product contains no substances which at their given concentration are considered to be hazardous to health			
<b>Precautionary Statements</b>				
<b>Prevention</b>	None			
<b>Response</b>	None			
<b>Storage</b>	None			
<b>Disposal</b>	None			
<b>Hazards Not Otherwise Classified</b>	Not Applicable			
<b>Other Information</b>	Very toxic to aquatic life with long lasting effects; 6.7% of the mixture consists of ingredient(s) of unknown toxicity.			
<b>NFPA</b>	Health Hazard: 1	Flammability: 1	Instability: 0	Physical & Chemical Hazard: -
<b>HMIS</b>	Health Hazard: 1	Flammability: 1	Physical Hazard: 0	Personal Protection: X

**Section 3 - Composition/Information on Ingredients**

<b>Substance / Mixture</b>		<b>Mixture</b>	
<b>Chemical Name</b>	<b>CAS Number</b>	<b>Weight %</b>	<b>Trade Secret</b>
Zinc (powder)	7440-66-6	10 - 15	*
Talc	14807-96-6	5 - 10	*
Graphite	7782-42-5	1 - 5	*

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

#### Section 4: First-Aid Measures

Descriptions of First Aid Measures	
<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Consult a physician.
<b>Skin</b>	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
<b>Eye</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician.
<b>Ingestion</b>	Clean mouth with water and afterwards drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if necessary
<b>Protection of First-aiders</b>	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
Most Important Symptoms/Effects (Acute & Delayed) Potential Health Effects	
<b>Most Important Symptoms/Effects</b>	No information available.
Indication of Immediate Medical Attention & Special Treatment Needed, If Necessary	
<b>Note To Physician</b>	Treat symptomatically.

#### Section 5: Fire-Fighting Measures

Extinguishing Media	
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Unsuitable Extinguishing Media</b>	Dousing metallic fires with water may generate hydrogen gas, an extremely dangerous explosion hazard, particularly if fire is in a confined environment (i.e., building, cargo hold, etc.)

Special hazards arising from the substance or mixture	
<b>Specific Hazards Arising from the Chemical</b>	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>Explosion Data: Sensitivity to Mechanical Impact</b>	None
<b>Explosion Data: Sensitivity to Static Discharge</b>	None
<b>Protective Equipment and Precautions for Firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
<b>Personnel Precautions</b>	Use personal protective equipment. Keep people away from and upwind of spill/leak.
<b>Environmental Precautions</b>	Do not allow material to contaminate ground water system. Prevent further leakage or spillage if safe to do so. Avoid release to the environment. See Section 12 for additional Ecological Information.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Small spillage: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Large spillage: Dike far ahead of liquid spill for later disposal. Take up mechanically and collect in suitable container for disposal.

### Section 7 - Handling and Storage

Conditions for safe storage, including any incompatibilities	
<b>Precautions for safe handling</b>	Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Remove and wash contaminated clothing before re-use. Do not breathe vapors or spray mist. Do not eat, drink or smoke when using this product. Wash thoroughly after handling.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.
<b>Incompatible Products</b>	Acids. Oxidizing agents.

### Section 8 - Exposure Controls/Personal Protection

Control parameters			
Exposure Guidelines			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Talc (14807-96-6)	TWA: 2 mg/m <sup>3</sup>	(vacated) TWA: 2 mg/m <sup>3</sup>	IDLH: 1000 mg/m <sup>3</sup> contains no asbestos and <1% quartz TWA: 2 mg/m <sup>3</sup>

Graphite (7782-42-5)	TWA: 15 mg/m <sup>3</sup> total dust synthetic TWA: 5 mg/m <sup>3</sup> total dust synthetic (vacated) TWA: 2.5 mg/m <sup>3</sup> respirable dust natural (vacated) TWA: 10 mg/m <sup>3</sup> total dust synthetic (vacated) TWA: 5 mg/m <sup>3</sup> respirable fraction synthetic TWA: 15 mppcf natural	IDLH: 1250 mg/m <sup>3</sup> TWA: 2.5 mg/m <sup>3</sup> respirable dust
<b>Appropriate Engineering Controls</b>	Showers Eyewash stations Ventilation systems	
<b>Individual Protection</b>		
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.	
<b>Skin &amp; Body Protections</b>	Impervious clothing. Nitrile gloves.	
<b>Respiratory Protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. In case of insufficient ventilation wear suitable respiratory equipment.	

## Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties			
<b>Appearance (physical state, color)</b>	Semi Solid; Gray	<b>Flash Point</b>	>221 C
<b>Odor</b>	Petroleum Like	<b>Vapor Density</b>	N/A
<b>Odor Threshold</b>	N/A	<b>Specific Gravity</b>	1.37
<b>pH</b>	Neutral	<b>Relative Density</b>	
<b>Melting Point/Freezing Point</b>	>138 C / 280.4 F N/A	<b>Solubility in Water</b>	Negligible
<b>Volatiles by Wt. (%):</b>	N/A	<b>Partition coefficient: n-octanol/water</b>	N/A
<b>Flammability (solid, gas)</b>	N/A	<b>Auto-ignition temperature</b>	N/A
<b>Evaporation Rate</b>	N/A	<b>Decomposition temperature</b>	N/A
<b>Viscosity</b>	N/A		

### Section 10: Stability and Reactivity

<b>Reactivity</b>	No data available.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	Mixture reacts slowly with water resulting in evolution of hydrogen
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	Incompatible products.
<b>Incompatible Materials</b>	Acids. Oxidizing agents.
<b>Hazardous Decomposition Products</b>	None known based on information supplied.

### Section 11 - Toxicological Information

Information on Toxicological Effects	
<b>Acute Toxicity</b>	6.7% of the mixture consists of ingredient(s) of unknown toxicity.
<b>LD50 Oral</b>	5575 mg/kg; Acute toxicity estimate
Information on The Likely Routes of Exposure	
<b>Ingestion</b>	Not an expected route of exposure. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Potential Chronic Health Effects	
<b>Carcinogenicity</b>	Contains no ingredients above reportable quantities listed as a carcinogen.
<b>Mutagenicity</b>	No information available.
<b>Teratogenicity</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Fertility Effects</b>	No information available.

### Section 12 - Ecological Information

Chemical Name	Toxicity to Algae	Toxicity to Fish	Daphnia Magna (Water Flea)
Zinc (powder) 7440-66-6	EC50 72 h: 0.09 - 0.125 mg/L static (Pseudokirchneriella subcapitata) EC50 96 h: 0.11 - 0.271 mg/L static (Pseudokirchneriella subcapitata)	LC50 96 h: 0.211-0.269 mg/L semi-static (Pimephales promelas) LC50 96 h: 2.16-3.05 mg/L flow-through (Pimephales promelas) LC50 96 h: = 0.24 mg/L flow-through (Oncorhynchus mykiss) LC50 96 h: = 0.41 mg/L static (Oncorhynchus mykiss) LC50 96 h: = 0.45 mg/L semi-static (Cyprinus carpio) LC50 96 h: = 0.59 mg/L semi-static (Oncorhynchus mykiss)	EC50 48 h: 0.139 - 0.908 mg/L Static (Daphnia magna)

		LC50 96 h: = 2.66 mg/L static (Pimephales promelas) LC50 96 h: = 3.5 mg/L static (Lepomis macrochirus) LC50 96 h: = 30 mg/L (Cyprinus carpio) LC50 96 h: = 7.8 mg/L static (Cyprinus carpio)	
Talc 14807-96-6		LC50 96 h: > 100 g/L semi-static (Brachydanio rerio)	
<b>Persistence and Degradability</b>		No information available.	
<b>Bioaccumulative Potential</b>		No information available.	
<b>Other Adverse Effects</b>		No information available.	

### Section 13 - Disposal Considerations

<b>Waste Disposal Methods</b>	Dispose of in accordance with federal, state, and local regulations
<b>Contaminated Packaging</b>	Do not re-use empty containers.

### Section 14 - Transport Information

<b>DOT</b>	Not regulated	
<b>TDG</b>		
<b>UN-Number</b>	UN3082	
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.	
<b>Hazard Class</b>	9	
<b>Packing Group</b>	III	
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III	
<b>MEX</b>		
<b>UN-Number</b>	UN3082	
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.	
<b>Hazard Class</b>	9	
<b>Packing Group</b>	III	
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III	
<b>ICAO</b>		
<b>UN-Number</b>	UN3082	
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.	
<b>Hazard Class</b>	9	
<b>Packing Group</b>	III	
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s., 9, III	

<b>IATA</b>	
<b>UN-Number</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III
<b>IMDG/IMP</b>	
<b>UN-Number</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>EmS No.</b>	F-A, S-F
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III
<b>RID</b>	
<b>UN-Number</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M6
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III
<b>ADR</b>	
<b>UN-Number</b>	UN3082
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M6
<b>Tunnel Restriction Code</b>	(E)
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III
<b>ADR/RID Labels</b>	0
<b>ADN</b>	
<b>Proper Shipping Name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Hazard Class</b>	9
<b>Packing Group</b>	III
<b>Classification Code</b>	M6
<b>Special Provisions</b>	274, 335, 601
<b>Description</b>	UN3082, Environmentally hazardous substance, liquid, n.o.s. (Zinc (powder)), 9, III

<b>Limited Quantity</b>	5 L
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**Section 15 - Regulatory Information**

<b>U.S. Federal Regulations</b>					
<b>SARA 313</b>					
<b>Chemical Name</b>	<b>CAS - No</b>	<b>Weight %</b>		<b>Threshold Value %</b>	
Zinc (Powder)	7440-66-6	10 - 15		1.0	
<b>SARA 311/312 Hazard Categories</b>					
<b>Acute Health Hazard</b>			No		
<b>Chronic Health Hazard</b>			No		
<b>Fire Hazard</b>			No		
<b>Sudden Release of Pressure Hazard</b>			No		
<b>Reactive Hazard</b>			No		
<b>Clean Water Act</b>					
<b>Chemical Name</b>	<b>Toxic Pollutants</b>		<b>Priority Pollutants</b>		
Zinc (Powder)	X		X		
<b>CERCLA</b>					
<b>Chemical Name</b>	<b>Hazardous Substances RQs</b>		<b>RQ</b>		
Zinc (Powder)	1000 Lb.		RQ 454 kg final RQ RQ 1000 lb final RQ		
<b>California Proposition 65</b>		This product does not contain any Proposition 65 chemicals.			
<b>U.S. State Right-to-Know Regulations (X" designates that the ingredients are listed)</b>					
<b>Chemical Name</b>	<b>New Jersey</b>	<b>Massachusetts</b>	<b>Pennsylvania</b>	<b>Illinois</b>	<b>Rhode Island</b>
Zinc (Powder)	X	X	X		X
Graphite	X	X	X		X
Talc	X	X	X		X
Calcium Oxide	X	X	X		X
<b>EPA Pesticide Registration Number</b>		Not applicable			





## Section 16 - Other Information

<b>Last Revision Date:</b>	<b>07/02/2015</b>
<b>Preparation Date:</b>	<b>07/07/2015</b>
<b>Disclaimer/Statement of Liability:</b>	The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

<b>Key to abbreviations</b>			
<b>ACGIH</b>	American Conference of Governmental Industrial Hygiene	<b>TWA</b>	Time-Weighted Averages are based on 8h/day, 40h/week exposures
<b>NIOSH</b>	National Institute of Occupational Safety and Health	<b>STEL</b>	Short Term Exposure Limits are based on 15-minute exposures
<b>OSHA</b>	Occupational Safety and Health Administration	<b>STEV</b>	Short Term Exposure Value
<b>MSHA</b>	Mine Safety and Health Administration	<b>TWAEV</b>	Time Weighted Average Exposure Values
<b>MARPOL 73/78</b>	International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, as amended.	<b>IBC Code</b>	International Bulk Chemical Code
<b>IMDG</b>	International Maritime Dangerous Goods	<b>CEPA</b>	<i>Canadian Environmental Protection Act</i>
<b>WHMIS</b>	Workplace Hazardous Materials Information System	<b>CERCLA</b>	Comprehensive Environmental Response, Compensation, and Liability Act
<b>SARA</b>	Superfund Amendments and Reauthorization Act	<b>TPQs</b>	Threshold Planning Quantities
<b>EPCRA RQ</b>	Emergency Planning & Community Right-to-Know Act Reportable Quantities	<b>PBT</b>	Persistent Bioaccumulative Toxic
<b>N/A</b>	Not Applicable	<b>NDA</b>	Not Data Available