POWER PRODUCTS LLC

Section 1: Information

Product Name	**Ox-Gard Anti-oxidant Compound 4 oz; 1/Cd 12Cds/Master**
Product Code(s)	**OX-400N**
Recommended Usage	**Lubricants, Greases and Release Products, Sealant**
Manufacturer/Distributor	**Power Products LLC (dba Gardner Bender)**
Address	N85 W12545 Westbrook Crossing Menomonee Falls, WI 53051
Website	www.powerprodllc.com
Telephone Number	1-800-624-4320
EMERGENCY Telephone Number	Chemtrec: (24/7) 800-424-9300 Or International 703-527-3887

Section 2: Hazard Identification

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

Section 3 – Composition/Information on Ingredients

Substance / Mixture		Mixture	
Chemical Name	**CAS Number**	**Weight %**	**Trade Secret**
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	
General Advice	Show this safety data sheet to the doctor in attendance.
Inhalation	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.
Skin	Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use.
Eye	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.
Ingestion	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
Protection of First-aiders	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	
Most Important Symptoms/Effects	No information available.
Indication of Immediate Medical Attention & Special Treatment Needed, If Necessary	
Note To Physician	Treat symptomatically.

Section 5: Fire-Fighting Measures

Extinguishing Media	
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media	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	
Specific Hazards Arising from the Chemical	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Explosion Data: Sensitivity to Mechanical Impact	None
Explosion Data: Sensitivity to Static Discharge	None
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.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	
Personnel Precautions	Use personal protective equipment. Keep people away from and upwind of spill/leak.
Environmental Precautions	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.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	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	
Precautions for safe handling	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.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children.
Incompatible Products	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/m3	(vacated) TWA: 2 mg/m3	IDLH: 1000 mg/m3 contains no asbestos and <1% quartz TWA: 2 mg/m3

Graphite (7782-42-5)		TWA: 15 mg/m3 total dust synthetic TWA: 5 mg/m3 total dust synthetic (vacated) TWA: 2.5 mg/m3 respirable dust natural (vacated) TWA: 10 mg/m3 total dust synthetic (vacated) TWA: 5 mg/m3 respirable fraction synthetic TWA: 15 mppcf natural	IDLH: 1250 mg/m3 TWA: 2.5 mg/m3 respirable dust
Appropriate Engineering Controls		Showers Eyewash stations Ventilation systems	
Individual Protection			
Hygiene Measures		Handle in accordance with good industrial hygiene and safety practice.	
Eye/Face Protection		Safety glasses with side-shields.	
Skin & Body Protections		Impervious clothing. Nitrile gloves.	
Respiratory Protection		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			
Appearance (physical state, color)	Semi Solid; Gray	**Flash Point**	>221 C
Odor	Petroleum Like	**Vapor Density**	N/A
Odor Threshold	N/A	**Specific Gravity**	1.37
pH	Neutral	**Relative Density**	
Melting Point/ Freezing Point	>138 C / 280.4 F N/A	**Solubility in Water**	Negligible
Volatiles by Wt. (%):	N/A	**Partition coefficient: n-octanol/water**	N/A
Flammability (solid, gas)	N/A	**Auto-ignition temperature**	N/A
Evaporation Rate	N/A	**Decomposition temperature**	N/A
Viscosity	N/A		

Section 10: Stability and Reactivity

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

Section 11 - Toxicological Information

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

Section 13 - Disposal Considerations

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

Section 14 - Transport Information

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

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

Limited Quantity	5 L

Section 15 - Regulatory Information

U.S. Federal Regulations			
SARA 313			
Chemical Name	**CAS – No**	**Weight %**	**Threshold Value %**
Zinc (Powder)	7440-66-6	10 – 15	1.0

SARA 311/312 Hazard Categories	
Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act		
Chemical Name	**Toxic Pollutants**	**Priority Pollutants**
Zinc (Powder)	X	X

CERCLA		
Chemical Name	**Hazardous Substances RQs**	**RQ**
Zinc (Powder)	1000 Lb.	RQ 454 kg final RQ RQ 1000 lb final RQ

California Proposition 65	This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations (X" designates that the ingredients are listed)

Chemical Name	**New Jersey**	**Massachusetts**	**Pennsylvania**	**Illinois**	**Rhode Island**
Zinc (Powder)	X	X	X		X
Graphite	X	X	X		X
Talc	X	X	X		X
Calcium Oxide	X	X	X		X

EPA Pesticide Registration Number	Not applicable

Section 16 - Other Information

Last Revision Date:	**07/02/2015**
Preparation Date:	**07/07/2015**
Disclaimer/Statement of Liability:	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.

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