

# SAFETY DATA SHEET

## Rust Encapsulator Matte Black Finish

### SECTION 1 - IDENTIFICATION

**Product Identifier**

Product Number(s) 16060Z  
 Product Name Rust Encapsulator Matte Black Finish - 16060Z

Other Means of Identification None

**Recommended Use and Restrictions on Use**

Recommended Use Rust preventative  
 Restrictions on Use None Identified

24 hr Emergency  
 Phone Number

**800-424-9300**  
 (Chem-Trec)

		SUPPLIER DETAILS	
Name		The Eastwood Company	
Address		263 Shoemaker Road Pottstown PA 19464	
Phone Number		610-323-2200	
Fax Number		610-323-6268	

### SECTION 2 - IDENTIFICATION

**Hazard Classification**

HEALTH HAZARDS				PHYSICAL HAZARDS			
Acute Tox. Oral		Mutagenicity		Unstable Explosive		Refrigerated Liq. Gas	Pyrophoric Solid
Acute Tox. Skin		Carcinogenicity	1B	Explosive		Flammable Liquid	Emits Flammable Gas
Acute Tox. Inhalation		Tox. to Reproduction	2	Flammable Gas		Flammable Solid	Oxidizing Liquid
Skin Irritation	2	STOT SE	3	Aerosol	1	Self-Reactive Sub.	Oxidizing Solid
Eye Irritation	2	STOT RE	2	Oxidizing Gas		Pyrophoric Liquid	Organic Peroxide
Resp. Sensitization		Aspiration Hazard	1	Gas Under Pressure	X	Self-Heating Substance	Corrosive to Metal
Skin Sensitization				<b>ENVIRONMENTAL HAZARDS (GHS Rev 3 Only)</b>			
				Aquatic Acute		Aquatic Chronic	2 Ozone Depleting

**Signal Word**

Danger

**Hazard Pictograms**

**Hazard Statements**

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. Causes skin irritation and serious eye irritation. May cause drowsiness or dizziness. May damage fertility or the unborn child. May cause cancer. May cause damage to organs through prolonged or repeated exposure. Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

**General** Keep out of reach of children.

**Prevention** Obtain special instructions before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breath dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid release to the environment.

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<b>Response</b>	<i>IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN: Wash with plenty of water. IF skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention. Call a POISON CENTER or doctor if you feel unwell. Collect spillage.</i>
<b>Storage</b>	<i>Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.</i>
<b>Disposal</b>	<i>Dispose of contents/container in accordance with local regulations.</i>
<b>Hazards Not Otherwise Classified</b>	<i>None identified.</i>
<b>Unknown Acute Toxicity</b>	<i>18 % by wt</i>

### SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

ID	INGREDIENT	CAS NUMBER	% WT RANGE*
1	Acetone	0000067-64-1	15 - 40
2	Propane	0000074-98-6	10 - 30
3	N-Hexane	0000110-54-3	10 - 30
4	Toluene	0000108-88-3	3 - 7
5	V M & P Naphtha	0064742-89-8	3 - 7
6	Methyl Acetate	0000079-20-9	1 - 5
7	C9-15 Heavy Aromatic Hydrocarbon	0064742-95-6	1 - 5
8	1,2,4-Trimethyl Benzene	0000095-63-6	1 - 5
9	Carbon Black	0001333-86-4	1 - 5
10	Stoddard Solvent	0008052-41-3	1 - 5
11	Xylene	0001330-20-7	0.1 - 1
12	Mesitylene	0000108-67-8	0.1 - 1
13	Cumene	0000098-82-8	0.1 - 1

\* Exact percentages of composition withheld as trade secret

### SECTION 4 - FIRST AID MEASURES

#### Description of First-Aid Measures

<b>General</b>	<i>If exposed or concerned seek medical advice/attention.</i>
<b>Eye Contact</b>	<i>Immediately flush with clear water for at least 15 minutes, including under the eyelids. Consult a doctor.</i>
<b>Skin Contact</b>	<i>Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing.</i>
<b>Ingestion</b>	<i>Do not induce vomiting! Immediately have the victim drink plenty of water. Do not give milk or digestible oils. Keep airways free. Contact a physician. Never give anything by mouth if victim is rapidly losing consciousness, unconscious, or convulsing.</i>
<b>Inhalation</b>	<i>Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.</i>
<b>First-Aid Responder Protection</b>	<i>Wear adequate personal protective equipment based on the nature and severity of the emergency.</i>

#### Most Important Symptoms and Effects, Both Acute and Delayed

<b>Eye Contact</b>	<i>Liquid contact may cause pain along with moderate eye irritation.</i>
<b>Skin Contact</b>	<i>Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying or flaking of skin. May cause more severe response if confined to skin.</i>
<b>Ingestion</b>	<i>Due to being an aerosol, the product does not lend itself to ingestion. Should ingestion occur, it may cause irritation to membranes of the mouth, throat, and gastrointestinal tract resulting in vomiting and/or cramps. Aspiration of vomit into the lungs may cause inflammation, and possible chemical pneumonitis, bronchopneumonia, or pulmonary edema.</i>
<b>Inhalation</b>	<i>Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract, or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion or death. Irritation of the mucous membranes, coughing, and dyspnea are also possible.</i>

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### Indication of Immediate Medical Attention and Special Treatment

<b>Notes to Physician</b>	<i>Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmia (irregular beating) in persons exposed to high concentrations of n-Hexane. If used, monitor heart activity closely. Stoddard Solvent sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed. Use of sympathomimetic drugs should be avoided. If ingested, the material presents a significant aspiration and chemical pneumonitis hazard. Induction of emesis is not recommended. Consider activated charcoal and/or gastric lavage. If patient is obtunded, protect the airway by cuffed endotracheal intubation or by placement of the body in a Trendelenburg and left later lateral decubitus position.</i>
<b>Specific Treatments/Antidotes</b>	<i>No information available.</i>
<b>Immediate Medical Attention</b>	<i>No information available.</i>

## SECTION 5 - FIRE-FIGHTING MEASURES

### Extinguishing Media

<b>Suitable Extinguishing Media</b>	<i>Water, CO<sub>2</sub>, dry chemical, or universal aqueous film forming foam</i>
<b>Unsuitable Extinguishing Media</b>	<i>Water jet</i>

### Specific Hazards Arising from the Chemical or Mixture

<b>Decomposition Products</b>	<i>Oxides of carbon (CO, CO<sub>2</sub>), smoke, and/or vapors</i>
<b>Hazards from the Product</b>	<i>CONTENTS EXTREMELY FLAMMABLE AND UNDER PRESSURE. In a fire or if heated, a pressure increase will occur which may result in the container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source.</i>

### Advice for Firefighters

<b>Protective Actions</b>	<i>Use water spray to cool fire exposed containers as contents may rupture violently from heat developed pressure.</i>
<b>Protective Equipment</b>	<i>As with any fire wear SCBA pressure-demand, MSHA/NIOSH approved, and full protective gear.</i>

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

<b>For Non-Emergency Personnel</b>	<i>No action should be taken by non-emergency personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.</i>
<b>For Emergency Responders</b>	<i>Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel.</i>

### Environmental Precautions

<b>Precautions</b>	<i>Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.</i>
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### Methods and Materials for Containment and Cleaning Up

<b>Containment Procedures</b>	<i>Product is an aerosol, therefore spills and leaks are unlikely. In case of rupture, released content may be contained with oil/solvent absorbent pads, socks, and/or absorbents. DO NOT use combustible material such as sawdust.</i>
<b>Cleanup Procedures</b>	<i>Spills from aerosol cans are unlikely and are generally of small volume. Large spills are therefore not normally considered a problem. In case of actual rupture, avoid breathing vapors and ventilate area well. Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.</i>
<b>Other Information</b>	<i>Aerosol products represent a limited hazard and will not spill or leak unless ruptured. In case of rupture contents are generally evacuated from the can rapidly. Area should be ventilated immediately and continuous ventilation provided until all fumes and vapors have been removed. Aerosol cans should never be incinerated or burned. See Section 13 for disposal.</i>
<b>Prohibited Materials</b>	<i>Combustible absorbent material such as sawdust, use of equipment that may cause sparking.</i>

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### SECTION 7 - HANDLING AND STORAGE

#### Precautions for Safe Handling

##### General Handling Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid prolonged or repeated skin contact. Avoid breathing of vapors. Do not incinerate (burn) containers. Always replace overcap when not in use. Avoid use around open flames or other sources of ignition. Exposure to heat or prolonged exposure to sun may cause can to burst. Use only with adequate ventilation, opening doors or windows to achieve cross-ventilation. Wash hands after use.

##### Hygiene Recommendations

Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

#### Conditions for Safe Storage Including Any Incompatibilities

##### Storage Requirements

Storage of individual cans should be done in an area below 50 °C (122 °F), and away from heat sources. Ensure can is in a secure place to prevent knocking over and accidental rupture. For storage of pallet quantities, compliance with NFPA 30B (Manufacture and Storage of Aerosol Products) is recommended. This product is classified as a Level 3 Aerosol.

##### Incompatibilities

Segregate storage away from materials indicated in Section 10

### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Control Parameters

##### Occupational Exposure Limits

ID	PEL	OSHA		NIOSH				ACGIH		AIHA WEEL	
		STEL	CEILING	REL	STEL	CEILING	TLV	STEL	CEILING		
1	1000 ppm	–	–	2500 ppm	250 ppm	–	–	500 ppm	750 ppm	–	–
2	1000 ppm	–	–	2100 ppm	1000 ppm	–	–	1000 ppm	–	–	–
3	500 ppm	–	–	1100 ppm	50 ppm	–	–	50 ppm	–	–	–
4	200 ppm	–	300 ppm	500 ppm	100 ppm	150 ppm	–	50 ppm	–	–	–
6	200 ppm	–	–	3100 ppm	200 ppm	250 ppm	–	200 ppm	250 ppm	–	–
8	25 ppm	–	–	–	25 ppm	–	–	25 ppm	–	–	–
9	3.5 mg/m <sup>3</sup>	–	–	1750 mg/m <sup>3</sup>	3.5 mg/m <sup>3</sup>	–	–	3 mg/m <sup>3</sup>	–	–	–
10	500 ppm	–	–	20000 mg/m <sup>3</sup>	350 mg/m <sup>3</sup>	–	1800 mg/m <sup>3</sup>	100 ppm	–	–	–
11	100 ppm	–	–	900 ppm	100 ppm	150 ppm	–	100 ppm	150 ppm	–	–
12	25 ppm	–	–	–	25 ppm	–	–	25 ppm	–	–	–
13	50 ppm	–	–	900 ppm	50 ppm	–	–	50 ppm	–	–	–

#### Biological Exposure Indices

ID	DETERMINANT	SAMPLING TIME	BEI	NOTATION
1	Acetone in urine	End of shift	50 mg/L	Ns
3	2,5-Hexanedion in urine	End of shift at end of workweek	0.4 mg/L	–
4	o-Cresol in urine	End of shift	0.5 mg/L	B
11	Methylhippuric acids in urine	End of shift	1.5 g/g creatinine	–

**Other Control Parameters** Not Available

#### Appropriate Engineering Control

##### Engineering Measures

Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

#### Individual Protection Measures

##### Hygiene Considerations

Avoid breathing vapors and contact with the skin and eyes. Always replace overcap when not in use. Keep out the reach of children. Wash hands after use.

##### Thermal Protection

This product does not present a thermal hazard.

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<b>Respiratory Protection</b>	An approved respirator with organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If respirators are needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
<b>Skin Protection</b>	For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.
<b>Eye/Face Protection</b>	Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.
<b>Other Protective Equipment</b>	Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### Physical Properties

<b>Boiling Point</b>	> 55.0 °C (131.0 °F)	<b>Melting / Freezing Point</b>	>-95.3 °C (-139.6 °F)
<b>Flash Point, Liquid</b>	> -21.7 °C (-7.0 °F)	<b>Flash Point, Propellant</b>	-104.4 °C (-156.0 °F)
<b>Explosive Limits</b>	0.70% - 16.00%	<b>Autoignition Temperature, Liquid</b>	225.0 °C (437.0 °F)
<b>Flammability</b>	Extremely Flammable Aerosol	<b>Relative Density (H<sub>2</sub>O = 1)</b>	0.748 g/cc
<b>Molecular Weight</b>	Not Available	<b>Weight</b>	6.241 lbs/gal
<b>Vapor Pressure</b>	108.00 psig	<b>pH</b>	Not Available
<b>Vapor Density</b>	4.200 g/cc Maximum	<b>Evaporation Rate</b>	Not Available
<b>Form</b>	Pressurized Product	<b>Partition Coefficient</b>	Not Available
<b>Viscosity</b>	Not Available	<b>Refractive Index</b>	Not Available
<b>Odor Threshold</b>	Not Available	<b>Heat of Combustion (ΔH<sub>c</sub>)</b>	Not Available
<b>Odor</b>	Paint-like	<b>Water Solubility</b>	Not Available
<b>Appearance / Color</b>	Black Coating	<b>Decomposition Temperature</b>	Not Available

### Air Quality Properties

<b>Percent Volatile</b>	81% Wt (88% Vol) Max	<b>VOC Regulatory</b>	4.413 lbs/gal (528.828 g/L)
<b>Percent VOC</b>	53% Wt (62% Vol) Max	<b>VOC Actual</b>	3.294 lbs/gal (394.695 g/L)
<b>Percent HAP</b>	20% Wt (21% Vol) Max	<b>HAP Content</b>	1.248 lbs/gal (149.544 g/L)
<b>Solids/Non Volatile Content</b>	20% Wt (13% Vol) Max	<b>Maximum Incremental Reactivity</b>	1.229 g O <sub>3</sub> /g
<b>Global Warming Potential</b>	0.929		

## SECTION 10 - STABILITY AND REACTIVITY

**Reactivity** No specific test data related to reactivity is available for this product or its ingredients.

**Chemical Stability** This product is stable.

**Hazardous Reactions** Under normal conditions of storage and use, hazardous reactions are not expected to occur.

**Conditions to Avoid** Keep away from heat, sparks, flame, and red hot metal.

**Material Incompatibility** Acids, Activated Carbon, Alkalis, Chlorine, Chlorine Dioxide, Chlorosulfuric Acid, Dichlorohydrantion, Dinitrogen Tetroxide And Pentoxide, Fluorine, Halogens, Hexachloromelamine, Hydrogen Peroxide, Isoprene, Nitrates, Nitric Acid, Nitrogen Tetroxide, Potassium Chlorate, Potassium Tert-Butoxide, Silver Perchlorate, Strong Acids, Strong Oxidizing Agents, Strong Reducing Agents, Sulfur Dichloride, Sulfuric Acid, Tetranitromethane, Trichloromelamine, Uranium Hexafluoride

**Decomposition Productions** Oxides of Carbon, Acetic Acid, Formaldehyde fumes, Hydrogen Peroxide, Methanol may be formed depending on fire conditions.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Acute Toxicity Estimates (mixture)

<b>Oral LD<sub>50</sub></b>	3858 mg/kg
<b>Dermal LD<sub>50</sub></b>	5798 mg/kg
<b>Inhalation LC<sub>50</sub></b>	59 mg/L 4-hour

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### Acute Toxicity on Ingredients

ID	ORAL LD50		DERMAL LD50		INHALATION LC50		
	VALUE	SPECIES	VALUE	SPECIES	VALUE	TIME	SPECIES
1	5800 mg/kg	rat	20000 mg/kg	rabbit	76 mg/m3	4h	rat
2	-	-	-	-	658 mg/L	4h	rat
3	32290 mg/kg	rat	3295 mg/kg	rabbit	73680 ppm	4h	rat
4	636 mg/kg	rat	>12000 mg/kg	rabbit	49 mg/m3	4h	rat
5	>8000 mg/kg	rat	>4000 mg/kg	rat	3400 ppm	4h	rat
6	>5000 mg/kg	rat	>5000 mg/kg	rat	>16000 ppm	4h	rat
7	8400 mg/kg	rat	4000 mg/kg	rabbit	>14.4 mg/L	6h	rat
8	5000 mg/kg	rat	>3160 mg/kg	rabbit	18000 mg/m3	4h	rat
9	>15400 mg/kg	rat	>3000 mg/kg	rabbit	6750 mg/m3	4h	rat
10	>5000 mg/kg	rat	>3000 mg/kg	rabbit	>5500 mg/m3	4h	rat
11	4300 mg/kg	rat	4500 mg/kg	rabbit	6700 mg/L	4h	rat
12	5000 mg/kg	rat	-	-	24000 mg/m3	4h	rat
13	5000 mg/kg	rat	>3160 mg/kg	rabbit	39 mg/L	4h	rat

### Health Hazard Classification

<b>Skin Corrosion / Irritation</b>	Category 2
<b>Eye Damage / Irritation</b>	Category 2
<b>Respiratory Irritation</b>	Classification criteria not met
<b>Respiratory / Skin Sensitization</b>	Classification criteria not met
<b>Germ Cell Mutagenicity</b>	Classification criteria not met
<b>Reproductive Toxicity</b>	Category 2
<b>STOT - Single Exposure</b>	Category 3
<b>STOT - Repeated Exposure</b>	Category 2
<b>Aspiration Hazard</b>	Category 1

### Carcinogen Data

ID	Calif Prop-65	OSHA	NIOSH	ACGIH	NTP	IARC
9	Yes	-	App A & C	A3	-	2B
13	Yes	-	-	-	Group 2	-

### Information on the Likely Routes of Exposure

**Routes of Exposure** Skin contact, skin absorption, eye contact, inhalation

### Information on Physical, Chemical and Toxicological Effects

**Symptoms of Exposure** Abdominal Cramps, Asphyxia, Bronchitis, Central Nervous System Depression, Chemical Pneumonitis, Chest Tightness, Coma, Confusion, Cough, Dermatitis, Dizziness, Drowsiness, Excitation, Optic Nerve Atrophy, Peripheral Neuropathy, Skin Irritation, Staggering Gait, Throat Irritation, Upper Respiratory System Irritation, Vomiting

### Delayed and Immediate Effects and also Chronic Effects from Short and Long-Term Exposure

**Delayed Effects** No known delayed effects.

**Immediate Effects** No known immediate effects.

**Chronic Effects** Reports have associated repeated and prolonged occupational overexposure to solvents with irreversible brain and nervous system damage (sometimes referred to as "Solvent or Painter's Syndrome"). Intentional misuse by concentrating and inhaling this product may be harmful or fatal. Reports of chronic poisoning from Toluene describe anemia, decreased blood cell count and bone marrow hypoplasia. Liver and kidney damage may occur. Exposure may affect a developing fetus. n-Hexane is toxic to the peripheral nerves, characterized by numbness, tingling, or pain in the extremities, progressively worsening of neuromuscular motor coordination (polyneuritis or polyneuropathy), and even partial paralysis. Stoddard Solvent when ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

**Medical Conditions Aggravated** May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

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### Target Organs

Bladder, Blood, Central Nervous System, Eyes, Gastrointestinal Tract, Kidneys, Liver, Peripheral Nervous System, Respiratory System, Skin

## SECTION 12 - ECOLOGICAL INFORMATION

### Acute Aquatic Toxicity

ID	TYPE	FISH			INVERTEBRATES			AQUATIC PLANTS			MICROORGANISMS		
		VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	TYPE	VALUE	PERIOD	
1	LC50	5549 mg/L	96h	EC50	6100 mg/L	48h	IC5	530 mg/L	8d	EC5	1700 mg/L	16h	
3	LC50	2.5 mg/L	96h	EC50	2.1 mg/L	48h	EC50	1079 mg/L	96h	-	-	-	
4	LC50	13 mg/L	96h	EC50	11.5 mg/L	48h	EC50	>250 mg/L	24h	EC0	29 mg/L	16h	
6	LC50	399 mg/L	96h	EC50	1027 mg/L	48h	EC50	>120 mg/L	72h	EC50	6100 mg/L	30m	
7	LC50	320 mg/L	48h	EC50	170 mg/L	24h	EC50	56 mg/L	72h	-	-	-	
8	LC50	9.22 mg/L	96h	EC50	6.14 mg/L	48h	-	-	-	-	-	-	
9	NOEC	1000 mg/L	96h	EC50	>5600 mg/L	24h	-	-	-	EC0	400 mg/L	3h	
11	LC50	26.7 mg/L	96h	LC50	14 mg/L	24h	-	-	-	-	-	-	
12	LC50	12.5 mg/L	96h	EC50	6 mg/L	48h	-	-	-	-	-	-	
13	LC50	4.7 mg/L	96h	EC50	13.7 mg/L	24h	EC50	26 mg/L	72h	EC10	211 mg/L	24h	

### Ecological Data

ID	PERSISTENCE	PERSISTENCE AND DEGRADABILITY		ThOD	BIOACCUMULATIVE POTENTIAL		MOBILITY Koc
		BOD	COD		Pow / Kow	BCF	
1	90.9% / 28 days	1.85 mg/g / 5d	1.92 mg/L	2.21 mg/L	-0.24 log Pow	0.69 BCF	1.26 log Koc
2	-	-	-	-	2.36 log Pow	1.47 log BCF	2.36 log Koc
3	-	-	-	3530 mg/g	3.9 log Pow	2.73 log BCF	2.17 log Koc
4	86% / 20 days	2.15 mg/g	2.52 mg/g	3.13 mg/g	2.65 Pow	1.57 log BCF	2.15 log Koc
5	95% / 28 days	-	-	-	2.1 log Pow	-	-
6	-	-	1511.8 mg/g	1510 mg/g	0.18 log Pow	-	0.68 log Koc
7	-	190 mg/L	440 mg/g	-	2.1 log Pow	-	-
8	-	-	-	-	3.714 log Pow	2.12 log BCF	3.4 log Koc
9	-	5 mg/L	-	-	1.09 log Pow	0.599 log BCF	1.99 log Koc
10	-	-	-	-	3.16 log Kow	-	-
11	-	0.64 mg/L	-	2410 mg/g	3.271 log Pow	2.2557 log BCF	3.156 log Koc
12	-	-	-	-	3.83 log Pow	2.68 log BCF	3.46 log Koc
13	-	-	-	-	3.66 log Pow	2.49 log BCF	3.33 log Koc

### Other Adverse Effects

No additional information available.

## SECTION 13 - DISPOSAL CONSIDERATIONS

### Waste Disposal

Characteristics and waste stream classification can change with product use and location. It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.

### Waste Disposal of Packaging

An aerosol container that does not contain a significant amount of liquid would meet the definition of scrap metal (40 CFR 261.1(c)(6)), and would be exempt from RCRA regulation under 40 CFR 261.6(a)(3)(iv) if it is to be recycled. If containers are to be disposed of (not recycled) it must be managed under all applicable RCRA and state regulations.

### Landfill Precautions

Not available

### Incineration Precautions

**\*\* DO NOT INCINERATE \*\* CONTENTS UNDER PRESSURE \*\***

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### SECTION 14 - TRANSPORTATION INFORMATION

**Transportation Information**

**UN Number**  
**Proper Shipping Name**  
**Hazard Class(es)**  
**Packaging Group**  
**Marine Pollutant**  
**Hazard Label(s)**

**Ground Transportation (DOT)**

UN1950  
 Aerosols, Limited Quantity  
 2.1  
 —  
 No



**Air Transportation (IATA)**

UN1950  
 Aerosols, Flammable, Limited Quantity  
 2.1  
 —  
 No



**Ocean Transportation (IMDG)**

UN1950  
 Aerosols, Limited Quantity  
 2.1  
 —  
 No



### SECTION 15 - REGULATORY INFORMATION

**Federal Regulations**

ID	TSCA	SARA 302	RCRA	CERCLA	SARA 313	FIRE	REACTIVITY	SARA 311/312		PRESSURE	CLEAN AIR ACT		CLEAN
	LISTED	EHS TPQ						ACUTE	CHRONIC		HAP	SOCMI	WATER ACT
1	Yes	—	U002	5000	—	Yes	—	Yes	—	—	—	—	—
2	Yes	—	—	—	—	Yes	—	—	—	—	—	—	—
3	Yes	—	—	5000	14%	Yes	—	Yes	Yes	—	Yes	Yes	—
4	Yes	—	U220	1000	5%	Yes	—	Yes	Yes	—	Yes	Yes	1000 (PP)
5	Yes	—	—	—	—	—	—	Yes	—	—	—	—	—
6	Yes	—	—	—	—	Yes	—	Yes	—	—	—	—	—
7	Yes	—	—	—	—	—	—	Yes	—	—	—	—	—
8	Yes	—	—	—	2%	Yes	—	Yes	—	—	—	—	—
9	Yes	—	—	—	—	—	—	—	—	—	—	—	—
10	Yes	—	—	—	—	—	—	Yes	—	—	—	—	—
11	Yes	—	U239	100	1%	Yes	—	Yes	—	—	Yes	Yes	100
12	Yes	—	—	—	—	Yes	—	Yes	—	—	—	—	—
13	Yes	—	U055	5000	>1%	Yes	—	Yes	—	—	Yes	Yes	—

**State Regulations**

ID	CA	DE	MA	ME	MN	NJ	NY	PA	WA	WI	WV					
	P-65	RQ	RTK CODES	TYPE								RQ	RTK	AIR	WATER	RTK
1	—	5000	2,4,5,6 F8 F9	—	20000	AON	—	—	—	5000	1	—	Yes-E	750 ppm	—	—
2	—	F 1000 **	2,4,5,6	—	—	AP	—	—	Yes	—	—	—	Yes	1000 ppm	—	—
3	—	5000	2,4,5,6	—	2000	ANO	Yes	—	Yes	1	1	—	Yes	50 ppm	A	—
4	DF	1000	2,4,5,6 F7 F8 F9	—	2000	ANO	Yes	Yes	Yes	1000	1	—	Yes-E	100 ppm	A	—
6	—	—	2,4,5,6	—	—	AO	—	—	—	—	—	—	Yes	200 ppm	—	—
8	—	100	F7 F9	—	1000	—	—	—	Yes	—	—	—	Yes-E	—	—	—
9	C	—	2,4 F5	—	—	ANOR	—	—	—	—	—	—	Yes	3.5 mg/m3	A	—
10	—	—	2,4	—	—	ANO	—	—	—	—	—	—	Yes	100ppm	A	—
11	—	100	2,4 F8 F9	—	2000	ANO	Yes	—	Yes	1000	1	—	Yes-E	100 ppm	A	—
12	—	—	F7	—	—	—	—	—	—	—	—	—	—	—	—	—
13	C	5000	2,4,5 F7 F8 F9	—	2000	AO	Yes	—	Yes	5000	1	—	Yes-E	50 ppm	A	—

# SAFETY DATA SHEET

Part No. 16060Z Aerosol

October 28, 2015

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## Rust Encapsulator Matte Black Finish

### SECTION 16 - OTHER INFORMATION

#### SDS Revision History

*Revision 3, 08/31/2004, General update.*

*Revision 4, 05/03/2013, Updated to GHS Version 4 Format.*

*Revision 5, 08/11/2015, Amended to GHS Version 3 Format.*

*Revision 6, 10/28/2015, General update*

#### SDS Compliance

*This SDS complies with the below listed regulations only. For SDS that comply with other countries, please contact our Regulatory Department.*

*OSHA Hazard Communication Standard (HCS 2012) 29 CFR 1910.1200*

*Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Revision 3*

#### Disclaimer of Liability

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