

SAFETY DATA SHEET

Product Name: **METALGUARD A80**

SDS No.: 802
Issue Date: 03/07/2016
Version No: 7

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

Product Name: METALGUARD A80
All Organic, Heavy-duty extended life antifreeze additive package

Company Name: WEBA Technology Corp.
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Madison, WI 53704 USA

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(24 Hours/Day, 7 Days/Week)

SECTION 2: HAZARDOUS IDENTIFICATION

OSHA Hazards: Irritant

Target Organs: None

Signal Words: Warning

Pictograms:



GHS Classification:

| | |
|-----------------|-------------|
| Skin irritation | Category 2 |
| Eye irritation | Category 2A |

GHS Label Elements, including precautionary statements:

Hazard Statements:

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|-----------|---------------------------------|
| H315+H320 | Causes skin and eye irritation. |
|-----------|---------------------------------|

Precautionary Statements:

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| P264 | Wash hands thoroughly after handling. |
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| P280 | Wear protective gloves/eye protection/face protection. |
| P302+P352 | IF ON SKIN: Wash with plenty of water. |
| P332+P313 | If skin irritation occurs: Get medical advice/attention. |
| P362+P364 | Take off contaminated clothing and wash it before reuse. |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |

Potential Health Effects

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| Eyes | Causes eye irritation. |
| Inhalation | May be harmful if inhaled. May cause respiratory tract irritation. |
| Skin | May be harmful if absorbed through skin. May cause skin irritation. |
| Ingestion | May be harmful if swallowed. |

NFPA Ratings

| | |
|-----------------|-----|
| Health | 2 |
| Flammability | 0 |
| Reactivity | 0 |
| Specific hazard | N/A |

HMIS Ratings

| | |
|------------|---|
| Health | 2 |
| Fire | 0 |
| Reactivity | 0 |
| Personal | C |

0 =minimal 1= slight 2=moderate 3= serious 4= severe

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Component | Weight % | CAS # | EINECS# / ELINCS# |
|------------------------------|----------|------------|-------------------|
| Salts of Succinic Acid | 10-25 | 110-15-6 | 203-740-4 |
| Dodecanedioic Acid | 10-15 | 693-23-2 | 211-746-3 |
| Sebacic Acid | 5-15 | 111-20-6 | 203-845-5 |
| Sodium Tolyltriazole | 3-10 | 64665-57-2 | 265-004-9 |
| Deionized Water | 30-50 | 7732-18-5 | 231-791-2 |
| Dye (may be with or without) | <1 | N/A | N/A |

The exact percentage of composition has been withheld as trade secrets of WEBA Technology. This is acceptable in accordance with Paragraph (i) of 29 CFR §1910.1200.

SECTION 4: FIRST-AID MEASURES

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| Eyes | Rinse with plenty of water for at least 15 minutes and seek medical attention. |
| Inhalation | Move casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention. |
| Skin | Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention. |
| Ingestion | Do Not Induce Vomiting! Never give anything by mouth to a person. If conscious, wash out mouth with water. Get medical attention immediately. |

SECTION 5: FIRE-FIGHTING MEASURES

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| Suitable (and unsuitable) extinguishing media | Product is not flammable. Use water, fog, foam, carbon dioxide or dry chemical on fires involving this product. Use appropriate media for adjacent fire. Cool unopened containers with water. |
| Special protective equipment and precautions for firefighters | Do not release runoff from fire control methods to sewers or waterways. Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode. Full protective equipment including self-contained breathing apparatus should be used during a fire. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Seek medical attention. |
| Specific hazards arising from the chemical | Closed containers may rupture or explode due to steam pressure build-up when exposed to extreme heat. Water may be used to cool closed containers. May emit toxic fumes under fire conditions. (See also Stability and Reactivity section). |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | See section 8 for recommendations on the use of personal protective equipment. |
| Environmental precautions | Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements. |
| Methods and materials for containment and cleaning up | Absorb spill with noncombustible absorbent material, then place in a suitable container for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations. |

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling:

See section 8 for recommendations on the use of personal protective equipment. Use with adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of aerosols.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry well ventilated area. Store only in containers that are resistant to alkaline solutions. Keep away from incompatible materials (see section 10 for incompatibilities).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure controls: Contains no substances with occupational exposure limit values.

Personal Protection

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| Eyes | Wear chemical safety glasses or goggles, and face shield if splashing is likely to |
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| | occur. |
| Inhalation | Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator. |
| Skin | Wear nitrile or rubber gloves, and full body covering. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. |
| Other | Not Available |

Other Recommendations

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. Avoid contact with skin, eyes and clothing. Do not take internally. Clean up spills immediately. Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|---|--------------------------------|
| Appearance (physical state, color, etc.) | Clear, light yellow liquid. |
| Odor | Light chemical odor. |
| Odor threshold | Not Available |
| pH | 8.8-9.8 |
| Melting point/freezing point | Not Available |
| Initial boiling point and boiling range | >100 °C (>212 °F) |
| Flash point | Not Flammable |
| Evaporation rate | <1 (butyl acetate = 1) |
| Flammability (solid, gas) | Not Flammable |
| Upper/lower flammability or explosive limit | Not Explosive |
| Vapor pressure | 10 mmHg at 20 °C (68 °F) |
| Vapor density | >2.0 (air = 1) |
| Specific gravity | 1.157-1.167 at 21.1 °C (70 °F) |
| Solubility (ies) | Completely soluble in water. |
| Partition coefficient: n-octanol/water | Not Available |
| Auto-ignition temperature | Not Available |
| Decomposition temperature | Not Available |
| Percent volatile by Volume | NIL |

SECTION 10: STABILITY AND REACTIVITY

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|------------------------------------|---|
| Chemical Stability | Stable. |
| Possibility of Hazardous Reactions | Will not occur. |
| Conditions to Avoid | Storage below 10 °C (50 °F) or above 65.5 °C (150 °F) |
| Incompatible Materials | Strong acids, oxidizers. |
| Hazardous Decomposition Products | May emit toxic fumes upon decomposition. |

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

| | |
|-------------|---------------|
| Skin | Not Available |
| Eyes | Not Available |
| Respiratory | Not Available |
| Ingestion | Not Available |

Carcinogenicity

| | |
|-------|--|
| IARC | No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. |
| ACGIH | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. |
| NTP | No components of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. |
| OSHA | No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. |

Signs & Symptoms of Exposure

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|-------------|--|
| Skin | Causes moderate skin irritation. |
| Eyes | Causes severe eye irritation and possible eye burns. |
| Respiratory | Causes respiratory tract irritation, shortness of breath and an asthma-like condition. |
| Ingestion | Nausea, headache, weakness, gastrointestinal tract irritation. |

| | |
|--------------------------------|---------------|
| Chronic Toxicity | Not Available |
| Teratogenicity | Not Available |
| Mutagenicity | Not Available |
| Embryotoxicity | Not Available |
| Specific Target Organ Toxicity | Not Available |
| Reproductive Toxicity | Not Available |
| Respiratory/Skin Sensitization | Not Available |

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

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|----------------------|---------------|
| Aquatic Vertebrate | Not Available |
| Aquatic Invertebrate | Not Available |
| Terrestrial | Not Available |

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|-------------------------------|----------------|
| Persistence and Degradability | Biodegradable. |
| Bioaccumulative Potential | Not Available |
| Mobility in Soil | Not Available |
| PBT and vPvB Assessment | Not Available |
| Other Adverse Effects | Not Available |

SECTION 13: DISPOSAL CONSIDERATIONS

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|----------------------------------|---|
| Waste Product or Residues | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product or residue. |
| Product Containers | Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary before disposing of waste product container. |

The information offered in section 13 is for the product as shipped. Use and/or alterations to the product may significantly change the characteristics of the material and alter the waste classification and proper disposal methods.

SECTION 14: TRANSPORTATION INFORMATION

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|------------------|---------------------|
| US DOT | Not Dangerous Goods |
| TDG | Not Dangerous Goods |
| IMDG | Not Dangerous Goods |
| Marine Pollutant | No |
| IATA/ICAO | Not Dangerous Goods |

SECTION 15: REGULATORY INFORMATION

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|---------------------------|---|
| TSCA Inventory Status | All ingredients are listed on the TSCA inventory. |
| DSCL (EEC) | All ingredients are listed on the DSCL inventory. |
| California Proposition 65 | Not Listed |
| SARA 302 | Not Listed |
| SARA 304 | Not Listed |
| SARA 311 | Acute Health Hazard |
| SARA 312 | Acute Health Hazard |
| SARA 313 | Not Listed |
| WHMIS Canada | Not Listed |

SECTION 16: OTHER INFORMATION

THIS Safety Data Sheet COVERS ALL OF THE FOLLOWING PRODUCTS:

METALGUARD A80-SSD (NO DYE)

483600

| Revision | Date |
|-----------------------|------------|
| Revision 1, Version 3 | 09/03/2013 |
| Revision 2, Version 4 | 03/02/2015 |
| Revision 3, Version 5 | 04/20/2015 |
| Revision 4, Version 6 | 10/28/2015 |
| Revision 5, Version 7 | 03/07/2016 |

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