

Product Name: **METALGUARD H60**

SDS No.: 5050

Issue Date: 8/15/2013

Version No.: 7

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

Product Name: METALGUARD H60
Food Grade heat transfer fluid additive package

Company Name: WEBA Technology Corp.
1213 N. Sherman Ave #351
Madison, WI 53704 USA



For More Information Call: Tel: 608-819-8806
Fax: 608-237-2054
msds@webacorp.com
SDS on-line: www.webacorp.com

Nonfood Compounds
Program Listed HTX-1
Registration # 147644

In Case of Emergency Call: CHEMTREC - 800-424-9300 or 703-527-3887 (24 Hours/Day,
7 Days/Week)

SECTION 2: HAZARDOUS IDENTIFICATION

OSHA Hazards: Irritant

Target Organs: None

Signal Words: Warning

Pictograms: None

GHS Classification:

Acute toxicity, Oral	Category 5
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GHS Label Elements, including precautionary statements:

Hazard Statements:

H303	May be harmful if swallowed.
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Precautionary Statements:

H312	Call a POISON CENTER/doctor/physician if you feel unwell.
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Potential Health Effects

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

NFPA Ratings

Health	1
Flammability	0
Reactivity	0
Specific hazard	N/A

HMIS Ratings

Health	1
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#	Formula	Molecular Weight
Dipotassium Phosphate, Food Grade	<70	7758-11-4	N/A	K ₂ HPO ₄	174.2 g/mol
Deionized Water	Balance	7732-18-5	231-791-2	H ₂ O	18.00 g/mol

SECTION 4: FIRST-AID MEASURES

Eyes	Rinse with plenty of water for at least 15 minutes and seek medical attention if necessary.
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 if necessary.
Skin	Flush with plenty of water for at least 15 minutes while removing contaminated clothing and wash using soap. Get medical attention if necessary.
Ingestion	Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention if necessary.

**All treatments should be based on observed signs and symptoms in the patient. Ingestion of large quantities of phosphate salts (>1g for an adult) may cause an osmotic catharsis resulting in diarrhea and probable abdominal cramps. Larger doses, such as 4-8g, will almost certain cause these effects in everyone. Doses >10g hypothetically may cause systematic toxicity. The following treatments should be considered for the specific group(s) of phosphate salts found in this product:*

- All phosphate salts, except calcium salts, have a hypothetical risk of hypocalcemia; calcium levels should be monitored.*
- Ammonium salts have a hypothetical risk of ammonia toxicity. In addition to calcium levels, ammonia and phosphate levels should be monitored.*
- Potassium salts have a hypothetical risk of hyperkalemia which can cause cardiac arrhythmia. In addition to calcium levels, potassium and phosphate levels should be monitored. Also, consider continuous EKG monitoring to detect hyperkalemia.*
- Sodium salts have a hypothetical risk of hypernatremia. In addition, to calcium levels, sodium and phosphate levels should be monitored.*

SECTION 5: FIRE-FIGHTING MEASURES

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 (oxides of phosphorus and potassium) under fire conditions. (See also Stability and Reactivity section).

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

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.

TWA: Time Weighted Average over 8 hours of work.

TLV: Threshold Limit Value over 8 hours of work.
 REL: Recommended Exposure Limit
 PEL: Permissible Exposure Limit
 STEL: Short Term Exposure Limit during x minutes.
 IDLH: Immediately Dangerous to Life or Health
 WEEL: Workplace Environmental Exposure Levels
 CEIL: Ceiling

Personal Protection

Eyes	Wear chemical safety glasses or goggles, and face shield if splashing is likely to occur.
Inhalation	Provide local exhaust, preferably mechanical. If exposure levels are excessive, use an approved respirator.
Skin	Wear nitrile or rubber gloves, and apron or lab coat. 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

Appearance (physical state, color, etc.)	Clear liquid.
Odor	Odorless.
Odor threshold	Not Available
pH	9.0-10.0
Melting point/freezing point	Not Available
Initial boiling point and boiling range	>100 °C (>212 °F)
Flash point	Not Flammable
Evaporation rate	Not Available
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	1.27-1.33 at 21 °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

Chemical Stability	Stable.
Possibility of Hazardous Reactions	Will not occur.
Conditions to Avoid	Storage below 15.5 °C (60 °F) or above 65.5 °C (150 °F)
Incompatible Materials	Strong acids, oxidizers.
Hazardous Decomposition Products	Oxides of phosphorus and potassium.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Skin	LD50 Dermal - rabbit - >5000 mg/kg
Eyes	Not Available
Respiratory	Not Available
Ingestion	LD50 Oral - rat - >4810 mg/kg

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

Skin	May cause irritation.
Eyes	Eye burns, watering eyes, redness, significant irritation.
Respiratory	Depending on the concentration and duration of exposure, may cause respiratory tract irritation, a burning sensation, shortness of breath.
Ingestion	Irritation, abdominal cramps, nausea, vomiting, diarrhea.

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

Aquatic Vertebrate	Not Available
Aquatic Invertebrate	Not Available
Terrestrial	Not Available

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

Waste 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 residues.
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

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

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 H60 (NO DYE)

474100

Revision	Date
Revision 1, Version 7	09/03/2013

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