



Distributed by:  
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## SAFETY DATA SHEET

Version 1.8  
Revision Date 10/01/2019

### SECTION I. IDENTIFICATION

#### Product identifiers

Product name : WaterSafe 60

Brand : EMS

#### Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Water treatment

#### Details of the supplier of the safety data sheet

Company : Environmental Manufacturing Solutions, LTD  
7705 Progress Circle  
Melbourne, FL 32904  
USA

#### For product information only

Telephone : +1 877-424-6979

Fax : +1 800-510-3861

#### Emergency telephone number

Emergency Phone # : **Chemtrec**  
: +1 800-424-9300 (Within USA)  
: (703) 527-3887 (Outside USA)

### SECTION II. HAZARD IDENTIFICATION

#### GHS Classification of the substance or mixture

Acute Toxicity-Oral: Category 5  
Skin Corrosion/Irritation: Category 3  
Serious Eye Damage/Eye Irritation: Category 2B

#### GHS Label Elements

**Signal Word:** Warning  
**Symbols:** Not Applicable

**Hazard Statements:** May be harmful if swallowed  
May cause mild skin irritation  
May cause eye irritation

Hazards not otherwise classified (HNOC) or not covered by GHS-Not Applicable

**Other Information:** May cause mild skin irritation if not rinsed off with soap and water  
May cause eye irritation if not rinsed out with copious amounts of water

### SECTION III. COMPOSITION/INFORMATION ON INGREDIENTS

CAS# Chemical Formula  
N/A Proprietary/Trade Secret Claimed

#### Substances

No ingredients are hazardous according to OSHA criteria.

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No components need to be disclosed according to the applicable regulations.

**NOTE:**

The identity of this material is a trade secret (29 CFR 1910.1200(i)) and is available to any attending physician, paramedical personnel and/or spill response personnel in the case of an emergency.

There are no additional ingredients present which, within the current knowledge of the manufacturer and in the concentrations applicable, classified as hazardous to the health or environment thus do not require reporting in this section.

#### **SECTION IV. FIRST AID MEASURES**

##### **Description of first aid measures**

##### **General advice**

It is always recommended to consult a physician. Show this safety data sheet to the doctor in attendance.

##### **If Inhaled**

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

##### **In case of skin contact**

Remove any contaminated clothing first. Wash off with soap and plenty of water. If irritation occurs consult a physician.

##### **In case of eye contact**

If wearing contacts, first remove. Flush eyes with water as a precaution. If irritation occurs consult a physician.

##### **If swallowed**

Never give anything by mouth to an unconscious person. Rinse mouth with water. If irritation occurs consult a physician.

##### **Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labeling (see section 2) and/or section 11

##### **Indication of any immediate medical attention and special treatment needed**

No data available

#### **SECTION V. FIREFIGHTING MEASURES**

##### **Extinguishing media**

Product does not support combustion, use extinguishing agent for type of surrounding fire.

##### **Suitable extinguishing media**

Product does not support combustion, use extinguishing agent for type of surrounding fire.

##### **Special hazards arising from the substance or mixture**

No data available

##### **Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary

##### **Further information**

No data available

#### **SECTION VI. ACCIDENTAL RELEASE MEASURES**

##### **Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing any vapors or mist. Ensure adequate ventilation.

Move personnel to safe areas.

For personal protection see section 8

##### **Methods and materials for containment**

Soak up with inert absorbent material and dispose of in accordance with local and state disposal regulations.

Keep in suitable closed containers for proper disposal.

##### **Reference to other sections**

For disposal see section 13

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## SECTION VII. HANDLING AND STORAGE

### Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.  
For precautions see section 2

### Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well ventilated place. Open containers must be carefully closed/resealed and kept upright to prevent leakage. Do not mix with strong oxidizing agents

## SECTION VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

### Exposure controls

#### Appropriate engineering equipment

Handle in accordance with good industrial hygiene and safety practices. Personal protective equipment may be worn for added safety in accordance with the below recommended equipment. Wash hands before all breaks and at the end of the workday.

### Personal protective equipment

#### Eye/face protection

While eye protection is not required, where protection from nuisance levels are desired, use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

#### Skin protection

While skin protection is not required, where protection from nuisance levels are desired, Gloves must be inspected prior to use. Use proper glove removal technique. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

#### Full contact

Material: Nitrile rubber

#### Splash contact

Material: Nitrile rubber

If mixed with other substances, and under conditions which differ from product directions, contact your glove supplier. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

#### Body Protection

While body protection is not required, where protection from nuisance levels are desired, choose body protection in relation to its type, to the concentration and to the specific work-place.

#### Respiratory protection

While Respiratory protection is not required, where protection from nuisance levels are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### Control of environmental exposure

Do not let product enter storm drains.

## SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

- |                   |                   |
|-------------------|-------------------|
| a) Appearance     | Form: Liquid      |
| b) Odor           | Mild to odorless  |
| c) Odor Threshold | No data available |
| d) pH             | No data available |

e) Freeze/melting point	≤ 28 F
f) Boiling point	≥ 225 F
g) Flash point	>85 C (ASTM-56)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper flammability limits	No data available
k) Lower flammability limits	No data available
l) Vapor pressure	No data available
m) Vapor density	No data available
n) Specific gravity	1.12 ± 0.04
o) Water Solubility	100% Soluble
p) Partition coefficient	No data available
q) Auto-ignition temperature	No data available
r) Decomposition temperature	No data available
s) Kinematic viscosity	No data available
t) Explosive properties	No data available
u) Oxidizing properties	No data available

#### Other safety information

No data available

These physical properties are typical values for this product and not specifications. No other data available.

### SECTION X. STABILITY AND REACTIVITY

#### Reactivity

This material is considered to be non-reactive under normal conditions of use.

#### Chemical stability

Stable under recommended storage conditions

#### Possibility of hazardous reactions

No data available

#### Conditions to avoid

No data available

#### Incompatible materials

Strong oxidizing agents

#### Hazardous decomposition products

Other decomposition products -no data available

In the event of fire, see section 5

### SECTION XI. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity

LD50 Oral - rat – 8,650 mg/kg

Respiration: no data available

Inhalation: no data available

Dermal: no data available

##### Skin corrosion/irritation:

no data available

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Serious eye damage/eye irritation:  
no data available

Respiratory or skin sensitization  
no data available

Germ cell mutagenicity  
no data available

Carcinogenicity  
Not listed by ACGIH, IAARC, NTP or CA Prop 65

Reproductive toxicity  
no data available

Specific target organ toxicity - single exposure  
no data available

Specific target organ toxicity - repeated exposure  
no data available

Aspiration hazard  
no data available

Additional Information  
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated by any agency, governmental or otherwise.

## SECTION XII. ECOLOGICAL INFORMATION

Please call the non-emergency telephone number if this information is required.

## SECTION XIII. DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.  
RCRA P-Series: Non listed.  
RCRA U-Series: None listed.

## SECTION XIV. TRANSPORT INFORMATION

**This material is not regulated for transport. This product is not a marine pollutant.**

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods.

US Department of Transportation (DOT)  
Non-Regulated as a Hazardous Material  
Canadian TDG (Transportation of Hazardous Goods)  
Non-Regulated as a Hazardous Material  
Rail  
Non-Regulated as a Hazardous Material

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## **SECTION XV. REGULATORY INFORMATION**

### **US FEDERAL**

#### **TSCA**

All components of this product are listed on the TSCA inventory.

#### **Health & Safety Reporting List**

None of the chemicals are on the Health & Safety Reporting List.

#### **Chemical Test Rules**

None of the chemicals in this product are under a Chemical Test Rule.

#### **TSCA Section 12b**

None of the chemicals are listed under TSCA Section 12b.

#### **TSCA Significant New Use Rule**

None of the chemicals in this material have a SNUR under TSCA.

#### **CERCLA Hazardous Substances and corresponding RQs**

None of the chemicals in this material have an RQ.

#### **SARA Section 302 Extremely Hazardous Substances**

None of the chemicals in this product have a TPQ.

#### **Section 313 Components**

No chemicals are reportable under Section 313.

#### **Section 311/312 Hazards**

No SARA Hazards

#### **Clean Air Act**

This material does not contain any hazardous air pollutants.

This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

#### **Clean Water Act**

None of the chemicals in this product are listed as Hazardous Substances under the CWA.

None of the chemicals in this product are listed as Priority Pollutants under the CWA.

None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

#### **OSHA**

None of the chemicals in this product are considered highly hazardous by OSHA.

#### **STATE**

This chemical is not present on state lists from CA, PA, MN, MA, FL, or NJ.

#### **California Prop 65**

California No Significant Risk Level: None of the chemicals in this product are listed.

#### **European/International Regulations**

European Labeling in Accordance with EC Directives

#### **European Economic Community**

Classification per Directive 67/548/EEC or 1999/45/EC

Not Classified

#### **Risk Phrases**

None allocated

#### **Safety Phrases**

S2 - Keep out of reach of children

S24/25 - Avoid contact with skin and eyes

#### **WGK, Germany (Water danger/protection)**

No data available

#### **Canada - DSL/NDSL**

This product is listed on Canada's DSL List.

#### **Canada - WHMIS**

WHMIS: Not available.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

#### **Canadian Ingredient Disclosure List**

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N/A

## OTHER INFORMATION

### HMIS Rating

Health hazard: 0  
Flammability: 0  
Physical Hazard: 0

### NFPA Rating

Health hazard: 0  
Fire Hazard: 0  
Reactivity Hazard: 0

### Further information

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**End of Safety Data Sheet**