1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer
MFG Chemical, Inc
1804 Kimberly Park Drive
Dalton, GA 30720

Emergency: CHEMTREC: 800-424-9300
Contact: Regulatory Department
Phone: 706-226-4114
Fax: 706-275-6044
Web: www.mfgchemical.com

Product Name: AATCC HE Liquid Detergent With Brightener
Revision Date: 11/6/2015
SDS Number: M-6421
Common Name: Surfactant Mixture
CAS Number: Mixture
Product Code: M-6421
Product Use: Surfactant

2 HAZARDS IDENTIFICATION

Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):
no GHS classifications indicated

GHS Label elements, including precautionary statements
GHS Signal Word: NONE

no GHS pictograms indicated for this product

GHS Hazard Statements:
no GHS hazards statements indicated

GHS Precautionary Statements:
P102 - Keep out of reach of children.
P233 - Keep container tightly closed.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:
This product does not contain any chemical that is classified as a hazardous substance.

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

Skin Contact: Wash off with soap and plenty of water. Consult a physician.  

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.  

5  FIRE FIGHTING MEASURES  

Flash Point: NA  

Suitable extinguishing media  

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  

6  ACCIDENTAL RELEASE MEASURES  

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.  

Environmental precautions: Do not let product enter drains.  

Methods and materials for containment and cleaning up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.  

7  HANDLING AND STORAGE  

Handling Precautions: Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  

Normal measures for preventive fire protection.  

For precautions see section 2.  

Storage Requirements: Keep container tightly closed in a dry and well-ventilated place.  

8  EXPOSURE CONTROLS/PERSONAL PROTECTION  

Engineering Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.  

Personal Protective Equipment:  

Eye/face protection: Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.  

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. 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: Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate
use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**9 PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear Yellow Liquid</td>
</tr>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Spec Grav./Density:</td>
<td>1.05</td>
</tr>
<tr>
<td>Vapor Pressure:</td>
<td>&lt;1</td>
</tr>
<tr>
<td>pH</td>
<td>9.5</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble</td>
</tr>
<tr>
<td>Vapor Density:</td>
<td>&gt;1</td>
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</table>

**10 STABILITY AND REACTIVITY**

- Chemical Stability: Product is stable under normal conditions.
- Conditions to Avoid: Heat, sparks, and open flames
- Materials to Avoid: None Known

**11 TOXICOLOGICAL INFORMATION**

Information on toxicological effects:

**Acute toxicity**
- no data available
- Inhalation: no data available
- Dermal: no data available
- no data available

**Serious eye damage/eye irritation**
- no data available

**Respiratory or skin sensitisation**
- no data available

**Germ cell mutagenicity**
- no data available

**Carcinogenicity**
- IARC: No component 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 component 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 component 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 component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**
- no data available

**Specific target organ toxicity - single exposure**
Inhalation - May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure**
no data available

**Aspiration hazard**
no data available

12 **ECOLOGICAL INFORMATION**

**Toxicity**
no data available

**Persistence and degradability**
no data available

**Bioaccumulative potential**
no data available

**Mobility in soil**
no data available

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

13 **DISPOSAL CONSIDERATIONS**

All recovered material should be packaged, labeled, transported, disposed or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices.

14 **TRANSPORT INFORMATION**

**DOT (US) -** Not dangerous goods

**IMDG -** Not dangerous goods

**IATA -** Not dangerous goods

15 **REGULATORY INFORMATION**

<table>
<thead>
<tr>
<th>SARA Hazard Class</th>
<th>Fire</th>
<th>Pressure</th>
<th>Reactivity</th>
<th>Acute</th>
<th>Chronic</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
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</tbody>
</table>

**SARA**
This product is not reportable under SARA Title III, Sec 313. This product is reportable as an acute health hazard, eye and skin irritant, under SARA Title III, Sec 311 & 312.

**Clean Air**
This product does not contain nor was it manufactured with any Class I or Class II ozone depleting substances pursuant to Sec 611 of the Clean Air Act Amendments of 1990 (40 CFR 82)

**RCRA**
Refer to EPA or State regulations regarding proper disposal
This product's safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by the company in this respect. Since the use of this product is within the exclusive control of the user, it is the User's obligation to determine the conditions of safe use of this product. Such conditions should comply with all federal regulations concerning the product. All materials in this product are produced in compliance with public law 94-469 (also known as the "toxic substances control act" of 1976).