1. Identification

Product identifier: Water Additive

Other means of identification:
- Product code: 32-001100, 32-000130, 32-000230

Recommended use: Water additive.

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information

Company name: Honeywell Safety Products USA, Inc
Address: 825 East Highway 151
          Platteville, WI 53818 USA
Telephone: 1-800-873-5242
Contact Person: hsptechsupport@honeywell.com
E-mail: msds@chemtrec.com
Emergency telephone number: +1-703-741-5500 for USA/Canada

2. Hazard(s) Identification

Physical hazards: Not classified.

Health hazards: Serious eye damage/eye irritation Category 1

OSHA defined hazards: Not classified.

Label elements

Signal word: Danger
Hazard statement: Causes serious eye damage.
Precautionary statement:
- Prevention: Wear protective gloves/protective clothing/eye protection/face protection.
- Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
- Storage: Store away from incompatible materials.
- Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise classified (HNOC): None known.
Supplemental information: None.

3. Composition/information on ingredients

Mixtures

Chemical name: Chlorhexidine Gluconate
CAS number: 18472-51-0

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Inhalation: If symptomatic, move to fresh air. Get medical attention if symptoms persist.

Skin contact: Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact

Remove contact lenses, if present and easy to do. Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. Continue to rinse.

Ingestion

Seek medical advice.

Most important symptoms/effects, acute and delayed

Causes serious eye damage. May cause skin irritation.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

General information

In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Fire-fighting measures

Suitable extinguishing media


Unsuitable extinguishing media

No restrictions known.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Self-contained breathing apparatus operated in positive pressure mode and full protective clothing must be worn in case of fire. Cool material exposed to heat with water spray and remove it if no risk is involved. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

General fire hazards

No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Do not get in eyes. Wear appropriate personal protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Should not be released into the environment. Do not allow material to contaminate ground water system.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Flush area with water.

Large Spills: Absorb spill with vermiculite or other inert material. Clean surface thoroughly to remove residual contamination. This material and its container must be disposed of as hazardous waste.

Environmental precautions

Inform appropriate managerial or supervisory personnel of all environmental releases. Do not discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Observe good industrial hygiene practices. Do not get in eyes. Do not taste or swallow. Wear personal protective equipment. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container closed. Store away from incompatible materials. Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Exposure guidelines

No exposure standards allocated.

Appropriate engineering controls

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear approved safety glasses or goggles. Wear face shield if there is risk of splashes.

Skin protection

Wear protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Suitable gloves can be recommended by the glove supplier.
Wear chemical-resistant gloves, footwear and protective clothing appropriate for risk of exposure. Contact glove manufacturer for specific information.

Respiratory protection
Use suitable protective equipment.

Thermal hazards
Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance
Almost colorless to pale yellow liquid.

Physical state
Liquid.

Form
Liquid.

Color
Almost colorless to pale yellow.

Odor
Not assigned.

Odor threshold
Not available.

pH
Not available.

Melting point/freezing point
Not available.

Initial boiling point and boiling range
206.6 °F (97 °C)

Evaporation rate
Same as water.

Flammability (solid, gas)
Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Explosive limit - lower (%)
Not available.

Explosive limit - upper (%)
Not available.

Vapor pressure
Not available.

Vapor density
Not available.

Relative density
1.06

Solubility(ies)

Solubility (water)
Soluble in water.

Partition coefficient (n-octanol/water)
Not available.

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.

10. Stability and reactivity

Reactivity
Stable at normal conditions.

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Contact with incompatible materials. Elevated temperatures.

Incompatible materials
Strong oxidizers, strong acids, and strong bases.

Hazardous decomposition products
No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation
Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin contact
May cause skin irritation.

Eye contact
Causes serious eye damage.
Ingestion
No harmful effects expected in amounts likely to be ingested by accident.

Symptoms related to the physical, chemical and toxicological characteristics
Causes serious eye damage. May cause skin irritation.

Information on toxicological effects

Acute toxicity
Not expected to be acutely toxic.

Skin corrosion/irritation
May cause skin irritation.

Serious eye damage/eye irritation
Causes serious eye damage.

Respiratory or skin sensitization

Respiratory sensitization
Not classified.

Skin sensitization
Not a skin sensitizer.

Germ cell mutagenicity
Not classified.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity
Not listed.

NTP Report on Carcinogens
Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

Reproductive toxicity
Not classified.

Specific target organ toxicity - single exposure
Not classified.

Specific target organ toxicity - repeated exposure
Not classified.

Aspiration hazard
Not classified.

Chronic effects
Not classified.

12. Ecological information

Ecotoxicity
Very toxic to aquatic life with long lasting effects.

Persistence and degradability
No data available.

Bioaccumulative potential
The product is not expected to bioaccumulate.

Mobility in soil
The product is soluble in water.

Other adverse effects
No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions
Dispose in accordance with all applicable regulations. Do not allow runoff to sewer, waterway or ground.

Hazardous waste code
Waste codes should be assigned by the user based on the application for which the product was used.

Waste from residues / unused products
Dispose of in accordance with local regulations.

Contaminated packaging
Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
UN number
UN3082
UN proper shipping name
Environmentally hazardous substances, liquid, n.o.s. (Chlorhexidine Gluconate)
Transport hazard class(es)
Class
9
Subsidiary risk
-
Label(s)
9
Packing group
III
### Environmental hazards
- **Marine pollutant:** Yes
- **Special precautions for user:** Read safety instructions, SDS and emergency procedures before handling.
- **Special provisions:** 8, 146, 335, IB3, T4, TP1, TP29
- **Packaging exceptions:** 155
- **Packaging non bulk:** 203
- **Packaging bulk:** 241

### IATA
- **UN number:** UN3082
- **UN proper shipping name:** Environmentally hazardous substance, liquid, n.o.s. (Chlorhexidine Gluconate)
- **Transport hazard class(es):**
  - **Class:** 9
  - **Subsidiary risk:** -
  - **Label(s):** 9
- **Packing group:** III
- **Environmental hazards:** Yes
- **ERG Code:** 9L
- **Special precautions for user:** Read safety instructions, SDS and emergency procedures before handling.

### IMDG
- **UN number:** UN3082
- **UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
- **Transport hazard class(es):**
  - **Class:** 9
  - **Subsidiary risk:** -
  - **Packing group:** III
- **Environmental hazards:** Yes
- **EmS:** F-A, S-F
- **Special precautions for user:** Read safety instructions, SDS and emergency procedures before handling.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

### 15. Regulatory information
- **US federal regulations:**
  - This product is hazardous according to OSHA 29 CFR 1910.1200.
  - All components are on the U.S. EPA TSCA Inventory List.
  - **TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.
  - **CERCLA Hazardous Substance List (40 CFR 302.4):** Not listed.
- **Superfund Amendments and Reauthorization Act of 1986 (SARA):**
  - **Hazard categories:**
    - Immediate Hazard - Yes
    - Delayed Hazard - No
    - Fire Hazard - No
    - Pressure Hazard - No
    - Reactivity Hazard - No
  - **SARA 302 Extremely hazardous substance:** Not listed.
  - **SARA 311/312 Hazardous chemical:** Yes
  - **SARA 313 (TRI reporting):** Not regulated.
- **Other federal regulations:**
  - **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations
WARNING: This product contains a chemical known to the State of California to cause cancer.

US. Massachusetts RTK - Substance List
Not regulated.

US. New Jersey Worker and Community Right-to-Know Act
Not listed.

US. Pennsylvania Worker and Community Right-to-Know Law
Not listed.

US. Rhode Island RTK
Not regulated.

US. California Proposition 65
US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance
p-chloro aniline (CAS 106-47-8)

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
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</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
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<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
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<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates this product complies with the inventory requirements administered by the governing country(s).
A “No” indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 15-September-2015
Revision date -
Version # 01
Further information
The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

List of abbreviations

References
ACGIH
EPA: Acquire database
NLM: Hazardous Substances Data Base
US. IARC Monographs on Occupational Exposures to Chemical Agents
National Toxicology Program (NTP) Report on Carcinogens
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices
ESIS (European chemical Substances Information System)
HSDB® - Hazardous Substances Data Bank
IARC Monographs. Overall Evaluation of Carcinogenicity

Disclaimer
This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.