

1. Product and Company Identification

Material name Water Additive
Version # 01
Issue date 06-November-2013
Revision date -
Supersedes date -
Product code 32-001100, 32-000130, 32-000230
Product use Water additive.
Manufacturer information
Company name: Sperian Eye & Face Protection Inc. (a Honeywell Company)
Address: 825 East Highway 151
 Platteville, WI 53818 USA
Telephone: 1-800-543-4842
E-mail: Not available.
Emergency phone number: 1-800-430-5490

2. Hazards Identification

Physical state Liquid.
Appearance Almost colorless to pale yellow liquid.
Emergency overview DANGER!
 Causes eye burns. May cause skin irritation.
OSHA regulatory status This product is hazardous according to OSHA 29 CFR 1910.1200.
Potential health effects
Routes of exposure Eyes. Skin. Ingestion.
Eyes Causes eye burns.
Skin May cause skin irritation.
Inhalation Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Ingestion No harmful effects expected in amounts likely to be ingested by accident.
Target organs Eyes. Skin.
Signs and symptoms Causes eye burns. May cause skin irritation.
Potential environmental effects Harmful to aquatic life with long lasting effects.

3. Composition / Information on Ingredients

Components	CAS #	Percent
Chlorhexidine	55-56-1	5

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

4. First Aid Measures

First aid procedures
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.
Skin contact Wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Inhalation If symptomatic, move to fresh air. Get medical attention if symptoms persist.
Ingestion Seek medical advice.
Notes to physician Treat symptomatically.

5. Fire Fighting Measures

Flammable properties	No unusual fire or explosion hazards noted.
Extinguishing media	
Suitable extinguishing media	Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	No restrictions known.
Protection of firefighters	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
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.
Hazardous combustion products	Carbon oxides.

6. Accidental Release Measures

Personal precautions	Wear appropriate personal protective equipment (See Section 8).
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Methods for cleaning up	Stop leak if you can do so safely. Absorb spill with appropriate sand, clay or other inert sorbent material, then place in appropriate waste container. Large Spills: Flush area with water. Treat runoff per applicable environmental regulations pertaining to drains, water courses and ground water, diking if required.

7. Handling and Storage

Handling	Observe good industrial hygiene practices. Avoid inhalation of vapors and contact with skin and eyes. Do not taste or swallow. Wear personal protective equipment. Wash thoroughly after handling.
Storage	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).
Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Provide easy access to water supply and eye wash facilities.
Personal protective equipment	
Eye / face protection	Wear approved safety glasses or goggles. Wear face shield if there is risk of splashes.
Skin protection	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.
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 & 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.
Vapor pressure	Not available.

Vapor density	Not available.
Boiling point	206.6 °F (97 °C)
Melting point/Freezing point	Not available.
Solubility (water)	Soluble in water.
Specific gravity	1.06
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Auto-ignition temperature	Not available.
Evaporation rate	Same as water.

10. Chemical Stability & Reactivity Information

Chemical stability	Material is stable under normal conditions.
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.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Chlorhexidine (CAS 55-56-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	> 2000 mg/kg
<i>Oral</i>		
LD50	Mouse	2500 mg/kg
	Rat	1180 mg/kg

Sensitization	Not a skin or respiratory sensitizer.
Acute effects	May cause discomfort if swallowed.
Local effects	Causes serious eye damage. May cause skin irritation.
Chronic effects	Not classified.
Carcinogenicity	Not classified.
Symptoms and target organs	Causes serious eye damage. May cause skin irritation.

12. Ecological Information

Ecotoxicity	Harmful to aquatic life with long lasting effects.
Environmental effects	The product may cause risk of hazardous effects to the environment.
Persistence and degradability	No data available.
Bioaccumulation / Accumulation	The product is not expected to bioaccumulate.
Partition coefficient	
Chlorhexidine (CAS 55-56-1)	0.08, at pH 5
Mobility in environmental media	The product is soluble in water.

13. Disposal Considerations

Waste codes	Waste codes should be assigned by the user based on the application for which the product was used.
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Disposal instructions	Dispose in accordance with all applicable regulations. Do not allow runoff to sewer, waterway or ground.
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

Not regulated as a hazardous material by DOT.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

TDG

Not regulated as dangerous goods.

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.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity (lbs) (40 CFR 302.4)

None

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

Section 302 extremely hazardous substance (40 CFR 355, Appendix A) No

SARA 311/312 Hazardous chemical Yes

Drug Enforcement Administration (DEA) (21 CFR 1308.11-15) Not controlled

WHMIS status Controlled

WHMIS classification E - Corrosive

WHMIS labeling



Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

Country(s) or region	Inventory name	On inventory (yes/no)*
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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).

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

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

p-chloro aniline (CAS 106-47-8) Listed.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance

p-chloro aniline (CAS 106-47-8) Listed: October 1, 1994 Carcinogenic.

US. Massachusetts RTK - Substance List

Not regulated.

US. New Jersey Worker and Community Right-to-Know Act

Not regulated.

US. Pennsylvania RTK - Hazardous Substances

Not regulated.

Mexico regulations This safety data sheet was prepared in accordance with the Official Mexican Standard (NOM-018-STPS-2000).

16. Other Information

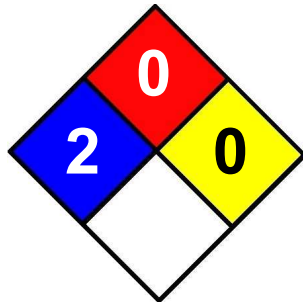
Further information

HMIS® is a registered trade and service mark of the NPCA.
I - Safety Glasses, Gloves, Dust, Vapor Respirator

HMIS® ratings

Health: 2
Flammability: 0
Physical hazard: 0

NFPA Ratings



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.