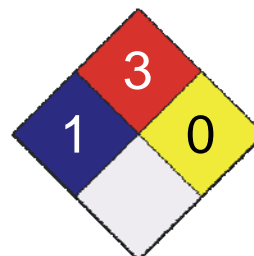


1. Product and Company Identification

Product Name Hygea Shield'n Protect **MSDS0115**
Product use Protective skin barrier
Manufacturer Professional Disposables International, Inc.
 Two Nice-Pak Park
 Orangeburg, NY 10962-1376
 Phone (USA) 1-845-365-1700 (M-F 8am - 5pm)

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	3
Physical Hazard	0
Personal Protection	A



2. Hazards Identification

Emergency overview WARNING
 FLAMMABLE LIQUID AND VAPOR.
 EYE IRRITANT. Skin irritation possible with prolonged exposure.

Potential short term health effects

- Routes of exposure** Eye, Skin contact.
- Eyes** May cause irritation.
- Skin** In case of skin irritation, discontinue use of the product.
- Inhalation** Not a normal route of exposure.
- Ingestion** Not a normal route of exposure.

Target organs Eyes. Skin.

Chronic effects Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

OSHA Regulatory Status This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects Components of this product have been identified as having potential environmental concerns.

3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Isopropyl Alcohol	67-63-0	60 - 80
2-Butenedioic acid (Z)-, monoethyl ester, polymer with methoxyethene	25087-06-3	2.5 - 10
Alcohol	64-17-5	2.5 - 10

4. First Aid Measures

First aid procedures

- Eye contact** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
- Skin contact** In case of skin irritation, discontinue use of product.
- Inhalation** Not a normal route of exposure. If symptoms develop move victim to fresh air.
- Ingestion** Not a normal route of exposure.

Notes to physician Symptoms may be delayed.

General advice Keep out of reach of children. Follow label directions carefully. Avoid contact with eyes.

5. Fire Fighting Measures

Flammable properties	Flammable solid.
Extinguishing media	
Suitable extinguishing media	Dry chemical. Foam. Carbon dioxide.
Unsuitable extinguishing media	Not available
Protection of firefighters	
Specific hazards arising from the chemical	Not available
Protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Hazardous combustion products	May include and are not limited to: Oxides of carbon.
Explosion data	
Sensitivity to mechanical impact	Not available
Sensitivity to static discharge	Not available

6. Accidental Release Measures

Personal precautions	Avoid contact with eyes.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
Methods for containment	Not applicable.
Methods for cleaning up	Pick up towels and discard in trash. Wipe or mop up liquid, if any, and dispose properly.

7. Handling and Storage

Handling	Use good industrial hygiene practices in handling this material.
Storage	Keep out of reach of children. Keep away from heat, sparks, and flame. Keep container tightly closed.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
2-Butenedioic acid (Z)-, monoethyl ester, polymer with methoxyethene	ACGIH-TLV Not established OSHA-PEL Not established
Alcohol	ACGIH-TLV TWA: 1000 ppm STEL: 1000 ppm OSHA-PEL TWA: 1000 ppm
Isopropyl Alcohol	ACGIH-TLV TWA: 200 ppm STEL: 400 ppm OSHA-PEL TWA: 400 ppm
Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye / face protection	Wear gear as deemed necessary. Follow label directions.
Hand protection	Not required.
Skin and body protection	Follow label directions carefully.
Respiratory protection	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

9. Physical and Chemical Properties

Appearance	Clear. Liquid saturated on wipe
Color	Clear colorless to Light yellow liquid
Form	Pre-moistened towelette.
Odor	Alcohol
Odor threshold	Not available
Physical state	Solid
pH	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	80 °F (26.66 °C) (Liquid)
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.835 - 0.824 (Liquid)
Octanol/water coefficient	Not available
Solubility (H2O)	Wipe is not soluble in water
VOC (Weight %)	71% (Liquid)
Viscosity	Pre-moistened towelette
Percent volatile	Not available
Viscosity	Pre-moistened towelette

10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Avoid high temperatures. Do not mix with other chemicals.
Incompatible materials	Strong oxidizing agents. Acids.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Component analysis - LC50

Ingredient(s)	LC50
2-Butenedioic acid (Z)-, monoethyl ester, polymer with methoxyethene	Not available
Alcohol	31623 ppm rat
Isopropyl Alcohol	16970 mg/l/4h rat

Component analysis - Oral LD50

Ingredient(s)	LD50
2-Butenedioic acid (Z)-, monoethyl ester, polymer with methoxyethene	Not available
Alcohol	3450 mg/kg mouse; 7060 mg/kg rat
Isopropyl Alcohol	4396 mg/kg rat

Effects of acute exposure

Eye	May cause irritation.
Skin	In case of skin irritation, discontinue use of the product.

Inhalation	Not a normal route of exposure.
Ingestion	Not a normal route of exposure.
Sensitization	Non-hazardous by OSHA criteria.
Chronic effects	Non-hazardous by OSHA criteria.
Carcinogenicity	See below.

ACGIH - Threshold Limit Values - Carcinogens

Alcohol	64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Isopropyl Alcohol	67-63-0	A4 - Not Classifiable as a Human Carcinogen

IARC - Group 3 (Not Classifiable)

Isopropyl Alcohol	67-63-0	Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977]
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Mutagenicity	Non-hazardous by OSHA criteria.
Reproductive effects	Non-hazardous by OSHA criteria.
Teratogenicity	Non-hazardous by OSHA criteria.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity	See below
Ecotoxicity - Freshwater Algae - Acute Toxicity Data	
Isopropyl Alcohol	67-63-0 96 Hr EC50 <i>Desmodesmus subspicatus</i> : >1000 mg/L; 72 Hr EC50 <i>Desmodesmus subspicatus</i> : >1000 mg/L
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	
Alcohol	64-17-5 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 12.0 - 16.0 mL/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : >100 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 13400 - 15100 mg/L [flow-through]
Isopropyl Alcohol	67-63-0 96 Hr LC50 <i>Pimephales promelas</i> : 9640 mg/L [flow-through]; 96 Hr LC50 <i>Pimephales promelas</i> : 11130 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : >1400000 µg/L
Ecotoxicity - Water Flea - Acute Toxicity Data	
Alcohol	64-17-5 48 Hr LC50 <i>Daphnia magna</i> : 9268 - 14221 mg/L; 24 Hr EC50 <i>Daphnia magna</i> : 10800 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 2 mg/L [Static]
Isopropyl Alcohol	67-63-0 48 Hr EC50 <i>Daphnia magna</i> : 13299 mg/L
Persistence / degradability	Not available
Bioaccumulation / accumulation	Not available
Mobility in environmental media	Not available
Environmental effects	Not available
Aquatic toxicity	Not available
Partition coefficient	Not available
Chemical fate information	Not available

13. Disposal Considerations

Disposal instructions	Review federal, state and local government requirements prior to disposal. Dispose in accordance with all applicable regulations.
Waste from residues / unused products	Not available
Contaminated packaging	Not available

14. Transport Information

U.S. Department of Transportation (DOT)	Not regulated as dangerous goods.
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15. Regulatory Information

Occupational Safety and Health Administration (OSHA)	
29 CFR 1910.1200 hazardous chemical	Yes

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

U.S. - CERCLA/SARA - Section 313 - Emission Reporting

Isopropyl Alcohol	67-63-0	1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Immediate Hazard - Yes
	Delayed Hazard - No
	Fire Hazard - Yes
	Pressure Hazard - No
	Reactivity Hazard - No

Section 302 extremely hazardous substance	No
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Section 311 hazardous chemical	Yes
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Clean Air Act (CAA)	Not available
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Clean Water Act (CWA)	Not available
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State regulations	See below
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U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances

Isopropyl Alcohol	67-63-0	Present
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U.S. - Massachusetts - Right To Know List

Alcohol	64-17-5	Teratogen
Isopropyl Alcohol	67-63-0	Present

U.S. - Minnesota - Hazardous Substance List

Alcohol	64-17-5	Present
Isopropyl Alcohol	67-63-0	Present

U.S. - New Jersey - Right to Know Hazardous Substance List

Alcohol	64-17-5	sn 0844
Isopropyl Alcohol	67-63-0	sn 1076

U.S. - Pennsylvania - RTK (Right to Know) List

Alcohol	64-17-5	Present
Isopropyl Alcohol	67-63-0	Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Alcohol	64-17-5	Toxic; Flammable
Isopropyl Alcohol	67-63-0	Toxic; Flammable

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

Issue date

01-Sep-2011

Effective date

01-Sep-2011

Prepared by

Dell Tech Laboratories Ltd. (519) 858-5021

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.