

# MATERIAL SAFETY DATA SHEET



Date Prepared: 05/28/09

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC(R)	1-800-424-9300; 1-703-527-3887 (Int.)
FOR ALL OTHER EMERGENCIES, CALL	1-800-215-1618
FOR ALL MSDS QUESTIONS & REQUESTS CALL	1-513-793-7766

## DIGIGUARD GLOSS 115

DGG115

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Michelman formulas are confidential and proprietary. All formula components that are hazardous under the OSHA Hazard Communication Standard are listed below.

Chemical Name	CAS #	PERCENT
AMMONIA	7664-41-7	3 - 7

### 3. HAZARDS IDENTIFICATION

HMIS Ratings: Health: 2 Flammability: 0 Reactivity: 0 PPE: H

Routes of Entry: Skin contact, Eye contact, Inhalation, Ingestion

Target Organs: Eyes, Digestive Tract, Larynx, Respiratory Tract

#### Immediate (Acute) Health Effects by Route of Entry:

**Inhalation Irritation:** Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.

**Skin Contact:** Can cause moderate skin irritation and dermatitis. Not likely to cause permanent damage.

**Skin Absorption:** No absorption hazard in normal industrial use.

**Eye Contact:** Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.

**Ingestion Irritation:** Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

#### Long-Term (Chronic) Health Effects:

**Carcinogenicity:** None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

**Reproductive and Developmental Toxicity:** No data.

### 4. FIRST AID

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.

**Eyes:** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation develops or persists.

**Ingestion:** Do not induce vomiting and seek medical attention immediately. Drink two glasses of water or milk to dilute. Provide medical care provider with this MSDS.

### 5. FIRE FIGHTING MEASURES

**Flammability Summary:** Not combustible

Autoignition Temperature:	Not Determined
Lower Explosive Limit (% in air):	Not Determined
Upper Explosive Limit (% in air):	Not Determined

**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do Not direct a stream of water into the hot burning liquid.

**Fire Hazards:** Material will not ignite or burn except when evaporated to dryness.

P-D-T.55, B.10, A.11

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**Fire Fighting Instructions:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

**Special Protection:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.

**Clean-up:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section VIII at a minimum. Dike with suitable absorbent material like granulated clay. Gather and store in a sealed container pending a waste disposal evaluation. Ensure clean-up measures are in compliance with OSHA (29 CFR 1910.120).

## 7. HANDLING AND STORAGE

**Handling:** Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

**Storage:** Store in a cool dry ventilated location. Keep container(s) closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation or other engineering controls are required when handling or using this product to avoid overexposure.

**Respiratory Tract:** Respiratory protection will be required when handling this product.

**Respirator Type(s):** NIOSH approved air purifying respirator with acid gas cartridge and dust/mist filter.

**Eyes:** Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available.

**Skin:** Avoid skin contact by wearing chemically resistant gloves and other protective equipment depending upon conditions of use. Inspect gloves for chemical break-through and replace at regular intervals.

### Chemical Name

Ammonia  
Ammonia  
Ammonia  
None listed.

### Regulation

ACGIH STEL  
ACGIH TWA  
OSHA PEL  
OSHA STEL

### Exposure Limits

35 ppm STEL  
25 ppm TWA  
50 ppm TWA; 35 mg/m3 TWA

## 9. PHYSICAL AND CHEMICAL DATA

<b>Melting Point:</b>	Not Determined	<b>Specific Gravity:</b>	Not Determined
<b>Color:</b>	Not Determined	<b>Bulk Density (lbs/gal):</b>	8.4
<b>Odor:</b>	Not Determined	<b>VOC Percent by Weight:</b>	0.0589
<b>pH:</b>	Not determined	<b>Lbs. VOC per lb. of Product:</b>	0.0006
<b>Vapor Pressure (mmHg):</b>	Not Determined	<b>Melting Point:</b>	Not Determined
<b>Vapor Density:</b>	Not Determined	<b>Solubility in Water:</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined	<b>Octanol/Water Coeff:</b>	Not Determined

### Ammonia Percent by Weight

<u>Chemical Name</u>	<u>CAS RN</u>	<u>%</u>
Ammonia	7664-41-7	5.7353

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to Avoid:** None known.

**Chemical Incompatibility:** Strong oxidizing agents Acids

**Hazardous Decomposition Products:** Carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

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<b>Toxicology Summary:</b>	No additional toxicology information available.
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<b>Chemical Name</b>	<b>LD50/LC50, NIOSH Selected Values</b>
No data available	

## 12. ECOLOGICAL INFORMATION

**Overview (for ingredients):** Components of this product are hazardous to wildlife and aquatic life.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Description for Spent Product:</b>	This product is not a hazardous waste as that term is defined in the Resource Conservation and Recovery Act (RCRA), 40 CFR 261, "Identification and Listing of Hazardous Waste."
<b>Disposal Methods:</b>	Dispose of in compliance with federal, state and local regulations.

### EPA Waste Codes for Components:

NONE	
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**Components subject to EPA Land Disposal Restrictions:**

## 14. TRANSPORTATION INFORMATION

<b>Rail/Road:</b>	Quantities of more than 2,000 pounds fill weight in a single container must be shipped as a dangerous good. NOT REGULATED IN TOTES, DRUMS OR PAILS WHEN SHIPPED VIA GROUND. REGULATED IN TANKERS WHEN SHIPPED VIA GROUND. ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS AMMONIA) CLASS 9, UN 3082, PG III RQ
<b>IATA:</b>	Not regulated in Gallon containers and smaller. AVIATION REGULATED LIQUID, N.O.S. (CONTAINS AMMONIA), CLASS 9, UN3334

Please refer to the Bill of Lading for the most up to date shipping information for this container size and mode of transport.

## 15. REGULATORY INFORMATION

### NATIONAL CHEMICAL INVENTORY INFORMATION

Components of this product are listed on the following inventories (U=Unknown; Y=Yes; N=No)

<b>TSCA Status</b>	(United States)	Y	<b>KECI Status</b>	(Korea)	U
<b>ACOINS/AICS Status</b>	(Australia)	U	<b>PICCS Status</b>	(Philippines)	U
<b>EC(EINECS) Status</b>	(Europe)	Y	<b>CHINA Status</b>	(China)	Y
<b>DSL Status</b>	(Canada)	Y	<b>NOTS Status</b>		U
<b>MITI Status</b>	(Japan)	Y			

<b>Chemical Name</b>	<b>Regulation</b>	<b>CAS RN</b>	<b>%</b>
Ammonia	SARA 313 Reportable	7664-41-7	5.7353
Ammonia	Extremely Hazardous Substances	7664-41-7	5.7353

No listed components in this product. Prop 65 Carcinogens (Metals)  
There are no California - Proposition 65 - Prop 65 Carcinogens  
Carcinogens in this product.

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## CERTIFICATIONS

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### **CONEG (HEAVY METALS)**

Based on information provided by our suppliers, the raw materials used in the manufacture of this product contain no toxic heavy metals in concentrations greater than trace levels including lead, mercury, cadmium and hexavalent chromium which are not present in concentrations at or greater than 100 ppm as specified in the CONEG model legislation for Toxics in Packaging.

### **NATURAL RUBBER INFORMATION**

This product is not manufactured with, nor does it contain, natural rubber as defined in 21 CFR 801.437(b).

### **ORGANO TINS INFORMATION**

This product is not manufactured with, nor does it contain, organo-tin compounds.

### **2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN (CAS# 19408-74-3) INFORMATION**

This product is not manufactured with, nor does it contain, 2,3,7,8-tetrachlorodibenzo-p-dioxin.

## 16. ADDITIONAL INFORMATION

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### **USER'S RESPONSIBILITY**

The information provided in the attached Material Safety Data Sheet pertains to the product as supplied by Michelman, Inc. While the descriptions, data and information contained herein are presented in good faith and believed to be accurate, it is provided for your guidance only. The responsibility to provide a safe working place remains with the user. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all applicable federal, state and local laws and regulations.

Print Date: 05/29/09

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