

# Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Trade Name:** Hurriclean 8012D  
**Manufacture/Supplier:** Midbrook, Inc.  
**Address:** 2080 Brooklyn Road  
Jackson, MI 49203  
United States of America  
**Phone Numbers:** Phone - 517-787-3481  
Fax -517-787-2349  
**Emergency Phone Numbers:** USA Chemtrec 800-424-9300  
International Chemtrec 703-527-3887  
**Date:** 10/13/2010

## 2. COMPOSITION/HAZARDOUS INFORMATION

INGREDIENT	WT%	TLV/PEL*	CAS#
Alkanolamine	1-5		78-96-6
Potassium Hydroxide Solution	1-10		1310-58-3

## 3. HAZARD IDENTIFICATION

### Primary Routes of Entry

**Skin:** Tests on similar materials indicate that irritation and corrosive effects are expected to occur with short term exposure.  
**Eyes:** Tests on similar materials suggests that corrosive irritation may occur on contact.  
**Ingestion:** Tests on similar materials indicate corrosive effects are expected.  
**Inhalation:** Tests on similar materials indicate corrosive effects are expected.

## 4. FIRST AID MEASURES

**First Aid – Eye** Wash out eye with plenty of water for at least 15 minutes. Obtain medical attention if soreness or redness persists.  
**First Aid – Skin** Remove product soaked clothing. Wash skin with soap and water. Launder soaked clothing before reuse. If skin irritation or rash develops obtain medical assistance.  
**First Aid – Ingestion** Do not induce vomiting. Obtain medical attention.  
**First Aid – Inhalation** Move to fresh air and provide oxygen if necessary. Obtain emergency medical attention.

## 5. FIRE FIGHTING MEASURES

**Flammable properties:** Flash Point: **none°F (ASTM D-56)**  
Flammable limits in air: **N/A**  
Auto ignition temperature: **N/A**  
**Extinguishing Media** Use foam, dry chemical or carbon dioxide.  
**Special fire fighting measure:** This product may give rise to hazardous fumes in a fire. Use self contained breathing apparatus. Use foam or dry chemical to extinguish fire. Water may be used only to keep surrounding containers cool. Residues of this material may support combustion.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Material can create slippery conditions underfoot.
<b>Spillages</b>	Transfer into suitable containers for recovery or disposal.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty containers can contain explosive vapors.
<b>Storage</b>	Storage temperature should be controlled to between 1 and 40°C.
<b>Work Practices</b>	Wash thoroughly after handling. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

<b>Engineering Control Measures</b>	Use adequate ventilation.
<b>Hand protection</b>	Use a good quality barrier cream or rubber gloves.
<b>Eye Protection</b>	Glasses or goggles. Have eye wash available.
<b>Body Protection</b>	Chemical apron if splashing is likely.
<b>Respiratory Protection</b>	Not required if adequate ventilation. Use NIOSH approved respirator in confined areas.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Clear Liquid
<b>Color</b>	Lt. Yellow
<b>Odor</b>	Characteristic
<b>Boiling Point</b>	>212°F
<b>Vapor Pressure</b>	N/A°F
<b>% Volatile by Volume</b>	70-80% as water
<b>Vapor Density(air=1)</b>	>1
<b>Reactivity in Water</b>	Non-reactive
<b>Solubility in Water</b>	Soluble
<b>Evaporation Rate (water=1)</b>	1
<b>Specific Gravity</b>	1.035
<b>pH @10:1</b>	11.5

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Sources of ignition.
<b>Materials to Avoid</b>	Strong oxidizing agents or reducing agents.
<b>Decomposition Products</b>	Oxides of Carbon, Hydrogen and Nitrogen.
<b>Hazardous Polymerization</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>Acute Toxicity</b>	Low order of acute toxicity.
<b>Eye Effects</b>	Corrosive on contact.
<b>Skin Effects</b>	May cause mild irritation with prolonged and repeat contact.
<b>Acute Oral Effects</b>	Corrosive oral toxicity.
<b>Acute Inhalation Effects</b>	Corrosive toxicity expected on inhalation.

This product is not listed as a carcinogenic or a potential carcinogen by the National Toxicology Program, by I.A.R.C. monographs or by OSHA.

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12. ECOLOGICAL INFORMATION

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No data available.

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13. DISPOSAL

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<b>Product Disposal</b>	Dispose of in accordance with all applicable local and national regulations. If used RCRA criteria must be determined. Product may be amenable to sewer if neutralized to adjust pH; if not permitted use a certified disposal service.
<b>Container Disposal</b>	No specific measures necessary.

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14. TRANSPORTATION INFORMATION

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<b>Shipping Name</b>	Detergents, Soaps.
<b>Shipping Class</b>	55
<b>D.O.T. Identification</b>	N/A
<b>D.O.T. Shipping Label</b>	Not regulated by D.O.T.

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15. REGULATORY INFORMATION

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**U.S. Federal Regulatory Information:**

SARA 302 Threshold Planning Quantity: N/A

SARA 304 Reportable Quantity: N/A

SARA 311 Categories:

Acute Health Effects:	Corrosive
Chronic Health Effects:	None
Fire Hazard:	No
Sudden Release of Pressure Hazard:	No
Reactivity Hazard:	No

**EPA/TSCA Inventory:** The components of this product are listed on the EPA/TSCA inventory of chemicals.

**EPA Hazard Classification Code:** Not applicable

**CERCLA:** No chemicals in this product are subject to the reporting requirements of CERCLA.

**SARA Title III - Section 313 Supplier Notification:** No Chemicals in this product exceed the DE Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

**WHMIS Classification:** Not controlled.

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16. OTHER INFORMATION

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**NFPA Hazard Rating:**

<b>Health:</b>	<b>2</b>	<b>Moderate</b>
<b>Flammability:</b>	<b>0</b>	<b>Negligible</b>
<b>Reactivity:</b>	<b>0</b>	<b>Negligible</b>

\*Threshold Limit Value/Personal Exposure Limit

N/A = Not Applicable

N/E = Not Established

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