

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### Product Identification

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Product Name: AquaKlean EF 55  
Product Number: GPB111  
Chemical Family: Non-silicated liquid heavy-duty cleaner for immersion.  
CAS Number: Blend

#### Company Identification

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NuGeneration Technologies, LLC  
100 Professional Center Drive suite 101  
Rohnert Park, CA 94928 USA [www.nugentec.com](http://www.nugentec.com)  
(707) 820-4080 (For product information)  
1-202-483-7616 (For emergencies)  
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0% AquaKlean EF 55

#### CONTAINING:

#### HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Amount	CAS Number
DIPROPYLENE GLYCOL MONOMETHYL ETHER	< 10.0 %	34590-94-8

#### NON-HAZARDOUS COMPONENTS

Chemical Name	Amount	CAS Number
NON-IONIC SURFACTANT	< 15.0 %	68603-25-8
ANIONIC SURFACTANT BLEND	< 20.0 %	trade secret

(See Section 8 for exposure guidelines)  
(See Section 15 for regulatory information)

#### HAZARDS DISCLOSURE

This product does not contain hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known hazardous materials.

### 3. HAZARDS IDENTIFICATION

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*  
\*  
\* May cause skin or eye irritation after repeated or \*  
\* prolonged contact. \*  
\* \*  
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HMIS Rating - Health: 1  
Flammability: 0  
Reactivity: 0  
Personal Protection Index: B

NFPA Rating - Health: 1  
Flammability: 0  
Reactivity: 0  
Special Hazard: None

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

#### POTENTIAL HEALTH EFFECTS

##### EYE:

Contact may cause eye irritation.

##### SKIN:

Prolonged or repeated contact may cause skin irritation.

##### INHALATION:

Not expected to be a problem under normal use.

##### INGESTION:

Ingestion is not considered a potential route of exposure. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

##### SIGNS AND SYMPTOMS OF EXPOSURE:

If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm. This product is completely soluble in water.

##### REPRODUCTIVE HAZARDS:

No reproductive hazards.

##### CARCINOGENICITY INFORMATION:

No known cancer hazards.

##### MISCELLANEOUS:

Poses little or no immediate hazard.

## 4. FIRST AID MEASURES

##### EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

##### SKIN CONTACT FIRST AID:

Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**INHALATION FIRST AID:**

Not an expected route of exposure.

Remove from area of exposure. Seek immediate medical attention if respiratory irritation or distress continues.

**INGESTION FIRST AID:**

Get medical attention immediately. Do not induce vomiting.

**STATEMENT OF PRACTICAL TREATMENT:**

Always have plenty of water available for first aid.

**NOTES TO PHYSICIAN:**

Treat patient symptomatically.

## **5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

COC Flash Point: None

TCC Flash Point: None

Autoignition Temperature: None

**FLAMMABLE LIMITS IN AIR**

LEL: None

UEL: None

**EXTINGUISHING MEDIA:**

Will not burn.

**FIRE & EXPLOSION HAZARDS:**

No known unusual hazards in a fire/explosion situation.

**FIRE FIGHTING INSTRUCTIONS:**

Avoid breathing decomposition products.

## **6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Protect skin and eyes from exposure.

**INITIAL CONTAINMENT:**

Wash area to prevent slipping.

**LARGE SPILLS PROCEDURE:**

Flush spill area with water to wastewater treatment system.

**SMALL SPILLS PROCEDURE:**

Wash with water.

## **7. HANDLING AND STORAGE**

**RECOMMENDED STORAGE TEMPERATURE**

Minimum: 4.4 C (39.9 F)

Maximum: 48.9 C (120.0 F)

**HANDLING (PERSONNEL):**

Avoid contact with eyes, skin, and clothing.

**HANDLING (PHYSICAL ASPECTS):**

Keep container closed to avoid contamination.

**MISCELLANEOUS:**

Do not stack over two pallets high.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

No special ventilation requirements.

**EYE / FACE PROTECTION REQUIREMENTS:**

When splashing of the material may occur, chemical goggles and a face shield are recommended.

**SKIN PROTECTION REQUIREMENTS:**

Wear protective gloves to minimize skin contact.

**RESPIRATORY PROTECTION REQUIREMENTS:**

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

**EXPOSURE GUIDELINES:**

Dipropylene Glycol Monomethyl Ether

OSHA PEL: 100 ppm, 600 mg/m<sup>3</sup>

OSHA TWA: 100 ppm, 600 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....	Liquid
COLOR .....	Pale Yellow
ODOR .....	None
BOILING POINT .....	>212 F
SOLUBILITY IN WATER .....	Complete
SPECIFIC GRAVITY .....	1.053 g/ml (Water = 1)
BULK DENSITY .....	8.8 lbs/gallon
MELTING/FREEZING POINT .....	32 F
PH .....	11-12
% VOLATILES .....	10 %
VOLATILE ORGANIC COMPOUNDS (VOC) ...	80 g/l
PH (5% B.V.) .....	11.0-11.5

## 10. STABILITY AND REACTIVITY

**STABILITY:**

Stable.

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**DECOMPOSITION:**

Decomposition will not occur if handled and stored properly.

CONDITIONS TO AVOID:

This material is safe under normal storage and handling conditions.

## 11. TOXICOLOGICAL INFORMATION

No information available.

## 12. ECOLOGICAL INFORMATION

No information available.

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

CONTAMINATED MATERIALS:

Wash contaminated clothing before reuse.

CONTAINER DISPOSAL:

Clean out containers prior to disposal.

## 14. TRANSPORTATION INFORMATION

PRODUCT LABEL .....: AquaKlean EF 55  
D.O.T. SHIPPING NAME .....: Non-Regulated Material  
TECHNICAL SHIPPING NAME ...: N/A  
D.O.T. HAZARD CLASS .....: Non-Hazardous  
UN NUMBER .....: N/A  
D.O.T. LABEL .....: NOBIN Non-Hazardous  
D.O.T. PLACARD .....: N/A  
BULK CLASS .....: N/A  
PACKAGE CLASS .....: 55

MISCELLANEOUS:

Export Classification, organic surface active agents (other than soap), washing preparations and cleaning preparations, schedule B # 3402.90.5030.

## 15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger:

None

WHMIS Hazard Symbols:

None

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). This material or all of its components are listed on the Canadian Domestic Substances List (DSL). This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

## 16. OTHER INFORMATION

PREPARED BY .....: Donato Polignone  
APPROVAL DATE .....: May 29, 2007  
SUPERCEDES DATE ...: May 3, 2002  
PRD NUMBER .....: GPB111 (Official Copy)

### ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

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This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of NuGeneration Technologies, LLC. The data on this sheet are related only to the specific material designated herein. NuGeneration Technologies, LLC assumes no legal responsibility for use or reliance upon these data.

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END OF MSDS  
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