

**MATERIAL SAFETY DATA SHEET**

**1. PRODUCT IDENTIFICATION AND USE**

**Product Identification**

Product Name: NuKlean WX 11  
Product Number: GCA102  
CAS Number: Blend

**Company Identification**

NuGeneration Technologies, LLC  
100 Professional Center Drive Suite 101  
Rohnert Park, CA 94928 USA  
(707) 820-4080 (For product information)  
1-800-424-9300 or 1-202-483-7616 (CHEMTREC) (For emergencies)

**2. HAZARDOUS INGREDIENTS**

100.0% NuKlean WX 11

CONTAINING:

**HAZARDOUS AND/OR REGULATED COMPONENTS**

Chemical Name	Amount	CAS Number
MONOETHANOLAMINE	< 20.0 %	141-43-5

**NON-HAZARDOUS COMPONENTS**

Chemical Name	Amount	CAS Number
Confidential Ingredient A	< 7.5 %	Trade Secret
MODIFIED ALCOHOL ETHOXYLATE	< 5.0 %	68603-25-8

**EXPOSURE GUIDELINES:**

Monoethanolamine  
OSHA TWA: 3 ppm  
OSHA STEL: 6 ppm

**3. PHYSICAL DATA**

FORM: .....Liquid  
COLOR: .....Pale Yellow  
ODOR: .....Slight, amine odor  
BOILING POINT: .....>212°F  
SOLUBILITY IN WATER: .....Complete  
SPECIFIC GRAVITY: .....1.028 (Water = 1)  
BULK DENSITY.....8.57  
MELTING/FREEZING POINT: .....32°F  
PH: .....10.8 - 11.2

% VOLATILES: .....<20 %  
PH @ 5%: .....10.9

**INHALATION:** No known hazards in normal industrial use.

**INGESTION:** Ingestion is not considered a potential route of exposure. May cause diarrhea, nausea, abdominal cramps.

**CARCINOGENICITY INFORMATION:** No known cancer hazards.

#### **4. FIRE AND EXPLOSION DATA**

**FLAMMABLE PROPERTIES**

COC Flash Point: None  
TCC Flash Point: None  
Auto-ignition Temperature: None

**FLAMMABLE LIMITS IN AIR**

LEL: None  
UEL: None

**EXTINGUISHING MEDIA:** Will not burn.

**FIRE & EXPLOSION HAZARDS:** Material will not burn.

**FIRE FIGHTING INSTRUCTIONS:** Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

#### **5. REACTIVITY DATA**

**STABILITY:** Stable.

**POLYMERIZATION:** Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:** None known.

**DECOMPOSITION:** Decomposition will not occur if handled and stored properly.

**CONDITIONS TO AVOID:** This material is safe under normal storage and handling conditions.

## **6. TOXICOLOGICAL PROPERTIES**

**EYE:** Contact may cause eye irritation.

**SKIN:** Contact may cause skin irritation.

**INHALATION:** No known hazards in normal industrial use.

**INGESTION:** Ingestion is not considered a potential route of exposure. May cause diarrhea, nausea, and abdominal cramps.

**CARCINOGENICITY INFORMATION:** No known cancer hazards.

**EYE EFFECTS:** Contact may cause eye irritation.

**SKIN EFFECTS:** Contact may cause slight skin irritation.

**ACUTE INHALATION EFFECTS:** No know hazards in normal industrial use.

## **7. PREVENTITIVE MEASURES**

### **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.

**STORAGE PRECAUTIONS:** Keep from freezing. Keep container closed when not in use.

**ENGINEERING CONTROLS:** Good general ventilation should be sufficient to control airborne levels.

**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 contamination.

**RESPIRATORY PROTECTION REQUIREMENTS:** Under normal use conditions, with adequate ventilation, no special handling equipment is required.

**SAFEGUARDS (PERSONNEL):** Protect skin and eyes from exposure.

**INITIAL CONTAINMENT:** Floor may become slippery. Contain spilled material.

**LARGE SPILLS PROCEDURE:** Forms smooth, slippery surfaces on floors, posing an accident risk. Flush spill area with water to wastewater treatment system. After removal, flush contaminated area thoroughly with water. *Or.* Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container. Always treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

**SMALL SPILLS PROCEDURE:** Floor may become slippery. Wash to waste treatment system or absorb spills with inert material and dispose of waste material in accordance with all local, state/provincial, and national requirements.

**WASTE DISPOSAL:** Dilute or neutralize with acid and discharge to an industrial sewage treatment facility. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Unclean empty containers should be disposed of in the same manner as the contents. For additional waste disposal information contact your local NuGenTec representative at (888) 99-NuGen.

**CONTAMINATED MATERIALS:** Wash contaminated clothing before reuse.

**CONTAINER DISPOSAL:** Clean out containers prior to disposal. Containers should be triple rinsed prior to disposal.

## **8. FIRST AID MEASURES**

**EYE CONTACT FIRST AID:** Flush eye with water for 15 minutes. Get medical attention if irritation develops or persists.

**SKIN CONTACT FIRST AID:** Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**INHALATION FIRST AID:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

**INGESTION FIRST AID:** Get medical attention immediately. Do not induce vomiting.

**NOTES TO PHYSICIAN:** Treat patient symptomatically.

## **9. PREPARATION DATE OF MSDS**

Prepared By: Donato Polignone  
Approval Date: May 31, 2007  
Supersedes Date: September 10, 2002  
PRD Number: GCA102 (Official Copy)

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