

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product Name: NuBuff 1      Product Number: DPC001      CAS Number: Blend

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

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

100.0% NuBuff 1    CONTAINING:    HAZARDOUS AND/OR REGULATED COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
POTASSIUM HYDROXIDE	< 5.0 %	1310-58-3

NON-HAZARDOUS COMPONENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
NONIONIC SURFACTANT BLEND	< 25.0 %	9016-45-9
POTASSIUM PHOSPHONATE	< 5.0 %	7953-76-8
Balance non-hazardous ingredients- DI water	Balance	7732-18-5

HAZARDS DISCLOSURE: This product contains 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.

SPECIAL NOTES: This product contains NO ammonia or amines.

**3. HAZARDS IDENTIFICATION**

EMERGENCY OVERVIEW:      DANGER Corrosive Material - Avoid eye and skin contact. May cause skin and eye irritation or burns.
---

HMIS/NFPA Rating: Health - 3, Flammability - 0, Reactivity - 1    Personal Protection Index - E

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme).

**POTENTIAL HEALTH EFFECTS**

EYE: Causes eye irritation and or burns.    SKIN: Contact May cause skin irritation or burns.

INHALATION: No hazards expected in normal industrial use at room temperature. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION: May be harmful if swallowed. Irritating to mouth, throat, or stomach and may cause tissue burns.

SIGNS AND SYMPTOMS OF EXPOSURE: If exposed areas are flushed promptly and thoroughly with water, there should be little or no harm. Long-term exposure may lead to rash or burn.

CARCINOGENICITY INFORMATION: No known cancer hazards.

MISCELLANEOUS: Solutions extremely slippery when spilled.

**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 if irritation develops or persists.

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: Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop. Remove from area of exposure. Seek immediate medical attention if respiratory irritation or distress continues.

INGESTION FIRST AID: Give milk or water. Do not induce vomiting. Get medical attention immediately.

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: Autoignition Temp: None

COC Flash Point: None    TCC Flash Point: None

FLAMMABLE LIMITS IN AIR: LEL: None; UEL: None    EXTINGUISHING MEDIA: Will not burn.  
 FIRE & EXPLOSION HAZARDS: Incinerating may create toxic decomposition products.  
 FIRE FIGHTING INSTRUCTIONS: Contaminated extinguishing water must be disposed of in accordance with applicable regulations.

## 6. ACCIDENTAL RELEASE MEASURES

### SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure. Wear appropriate personal protective equipment.

### INITIAL CONTAINMENT:

Floor may become slippery. Contain spilled material. Wash area to prevent slipping. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

### SPILLS PROCEDURE:

Forms smooth, slippery surfaces on floors, posing an accident risk. Clean up spills immediately, observing precautions in Protective Equipment section. Neutralize spill with a weak acid such as vinegar or acetic acid. 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 and dispose of in an approved sanitary landfill. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

## 7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE    Minimum: 4.4C (40F)    Maximum: 48.9C (120F)

SHELF LIFE (in original sealed containers): 5 years @ 4.4 C    3 years @ 48.9 C

HANDLING (PERSONNEL): Avoid contact with eyes, skin, and clothing.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

### 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. Nitrile rubber and PVC are suitable protective materials; Neoprene is recommended. Wash hands thoroughly after handling.

### RESPIRATORY PROTECTION REQUIREMENTS:

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

MISCELLANEOUS:    Where an apron and protective clothing.

EXPOSURE GUIDELINES: none established.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid	COLOR: colorless
ODOR: Mild	BOILING POINT: >212 F
SOLUBILITY IN WATER: Complete	SPECIFIC GRAVITY: 1.060 (Water = 1)
BULK DENSITY: 8.84	MELTING/FREEZING POINT: <32 F
PH: 14	PH @ 5%: 13.7    % VOLATILES = 0%

## 10. STABILITY AND REACTIVITY

STABILITY: Stable.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: May react with acidic materials. May corrode copper, aluminum, zinc, and their alloys.

DECOMPOSITION: Decomposition will not occur if handled and stored properly. Product may decompose at temperatures above 270°C and release carbon, nitrogen or oxides.

CONDITIONS TO AVOID: This material is safe under normal storage and handling conditions. Avoid contact with this material and copper, aluminum, zinc, and their alloys.

