

# SAFETY DATA SHEET

## NuBuff

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** NuBuff  
**GENERAL USE:** pH adjustment for bioremediation

**MANUFACTURER:**

**Redox Tech, LLC**  
200 Quade Drive  
Cary, NC 27513  
919-678-0140

**EMERGENCY TELEPHONE:**

Within USA and Canada: 1-800-424-9300  
+1 703-527-3887 (collect calls accepted)

### 2. HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Product is generally recognized as safe. May cause irritation exposure to eyes. Long term contact to skin may cause some drying and minor irritation.

### 3. COMPOSITION INFORMATION ON INGREDIENTS

Proprietary mixture of phosphates and bicarbonates

### 4. FIRST AID MEASURES

**EYES:** Immediately flush with water for up to 15 minutes. If irritation persists, seek medical attention.

**SKIN:** Rinse with water. Irritation is unlikely, but if irritation occurs or persists, seek medical attention.

**INGESTION:** Generally safe to ingest but not recommended.

**INHALATION:** No first aid required.

### 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** N/A

**FIRE/EXPLOSION HAZARDS:** Product is not combustible

**FIRE FIGHTING PROCEDURES:** N/A

**FLAMMABILITY LIMITS:** non-combustible

**SENSITIVITY TO IMPACT:** non-sensitive

**SENSITIVITY TO STATIC DISCHARGE:** non-sensitive

## 6. ACCIDENTAL RELEASE MEASURES

Confine and collect spill. Transfer to an approved DOT container and properly dispose. Do not dispose of or rinse material into sewer, stormwater or surface water. Discharge of product to surface water in algal blooms.

## 7. HANDLING AND STORAGE

**HANDLING:** Protective gloves and safety glasses are recommended.

**STORAGE:** Keep dry. Use first in, first out storage system. Keep container tightly closed when not in use. Avoid contamination of opened product.

## 8. EXPOSURE CONTROLS – PERSONAL PROTECTION

### EXPOSURE LIMITS

Chemical Name	ACGIH	OSHA	Supplier
NuBuff	NA	NA	NA

**ENGINEERING CONTROLS:** None are required

### PERSONAL PROTECTIVE EQUIPMENT

**EYES and FACE:** Safety glasses recommended

**RESPIRATOR:** none necessary

**PROTECTIVE CLOTHING:** None necessary

**GLOVES:** rubber, latex or neoprene recommended but not required

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor:	none
Appearance:	white granular solid
Auto-ignition Temperature	Non-combustible
Boiling Point	>600 C
Melting Point	NA
Density	1.04 gram/cc
Solubility	12 weight percent at 20 C
pH	8-9

## 10. STABILITY AND REACTIVITY

**CONDITIONS TO AVOID:** Do not contact with strong acids

**STABILITY:** product is stable

**POLYMERIZATION:** will not occur

**INCOMPATIBLE MATERIALS:** strong acids

**HAZARDOUS DECOMPOSITION PRODUCTS:**

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

A: General Product Information

Acute exposure may cause mild skin and eye irritation.

B: Component Analysis - LD50/LC50

No information available.

B: Component Analysis - TDLo/LDLo

TDLo (Oral-Man) none

### Carcinogenicity

A: General Product Information

No information available.

B: Component Carcinogenicity

Product is not listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

### Epidemiology

No information available.

### Neurotoxicity

No information available.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Discharge to water may cause algal blooms and subsequent ecological stresses

### Environmental Fate

No potential for food chain concentration

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Material is not considered hazardous, but consult with local, state and federal agencies prior to disposal to ensure all applicable laws are met.

## 14. TRANSPORT INFORMATION

NOTE: The shipping classification information in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under I.M.O., I.C.A.O. (I.A.T.A.) and 49 CFR to assure regulatory compliance.

### US DOT Information

Shipping Name: Not Regulated  
 Hazard Class: Not Classified  
 UN/NA #: Not Classified  
 Packing Group: None  
 Required Label(s): None

### 50<sup>th</sup> Edition International Air Transport Association (IATA):

Not hazardous and not regulated

### INTERNATIONAL MARITIME DANGEROUS GOODS (IMDG)

Material is not regulated under IMDG

## 15. REGULATORY INFORMATION

### UNITED STATES

#### SARA TITLE III

SECTION 311 No Hazard for Immediate health Hazard  
 SECTION 312 No Threshold Quantity  
 SECTION 313 Not listed

**CERCLA** NOT REGULATED UNDER CERCLA

**TSCA** NOT REGULATED UNDER TSCA

**CANADA (WHIMS):** NOT REGULATED

## 16. OTHER INFORMATION

HMIS:

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	E

E: Safety Glasses, gloves