

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification      Product Name:      NuBrite  
Product Number:      SDB133      CAS Number:      Blend

Company Identification  
NuGeneration Technologies, LLC  
7200 C.E. Dixon Street, Stockton, CA 95206 USA  
(209) 234-5930 (For product information)  
1-800-424-9300 or 1-202-483-7616 (CHEMTREC: For emergencies)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| 100.0% NuBrite                      | CONTAINING: | HAZARDOUS AND/OR REGULATED COMPONENTS |
|-------------------------------------|-------------|---------------------------------------|
| Chemical Name                       | Amount      | CAS Number                            |
| -----                               | -----       | -----                                 |
| PHOSPHORIC ACID                     | < 30.0 %    | 7664-38-2                             |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER | < 15.0 %    | 34590-94-8                            |
| NON-IONIC SURFACTANT                | < 5.0 %     | 68603-25-8                            |
| Water                               | Balance     | 7732-18-5                             |

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

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 materials that are acute hazards.  
MISCELLANEOUS:      Contains Phosphoric Acid.

### 3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW  
DANGER  
May cause skin or eye irritation, rash, or burns.

|   |  |
|---|--|
| <p><b><u>HMIS Rating</u></b><br/>Health: 3<br/>Flammability: 0<br/>Reactivity: 0<br/>Personal Protection Index: C</p> | <p><b><u>NFPA Rating</u></b><br/>Health: 3<br/>Flammability: 0<br/>Reactivity: 0<br/>Special Hazard: Corrosive</p> |
|---|--|

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 causes severe eye irritation and or burns.  
SKIN:      Contact may cause severe skin irritation and possible burns.  
INHALATION:      No known hazards in normal industrial use.  
INGESTION:      Ingestion is not considered a potential route of exposure. May cause diarrhea, nausea, abdominal cramps. If ingested seek prompt medical attention. Corrosive and may cause severe and permanent damage to mouth, throat, and stomach.  
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.  
CARCINOGENICITY INFORMATION:      No known cancer hazards.  
MISCELLANEOUS:      Slippery, can cause falls if walked on.

## 4. FIRST AID MEASURES

EYE CONTACT FIRST AID: Flush eye with water for 15 minutes. Contact a physician.

SKIN CONTACT FIRST AID: Immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention.

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 immediate medical attention.

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

STATEMENT OF PRACTICAL TREATMENT: Have plenty of water available for first aid.

NOTES TO PHYSICIAN: Treat patient symptomatically.

## 5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Autoignition Temperature: None

COC Flash Point: None TCC Flash Point: None

FLAMMABLE LIMITS IN AIR LEL: None UEL: None

EXTINGUISHING MEDIA: Will not burn.

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.

INITIAL CONTAINMENT: Contain spilled material.

LARGE SPILLS PROCEDURE: Forms smooth, slippery surfaces on floors, posing an accident risk. Dilute with water and wash to waste water treatment system. Large spills may be neutralized with dilute alkaline solutions of soda ash, or lime. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

SMALL SPILLS PROCEDURE: Floor may become slippery. Dispose into waste water treatment facility.

## 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 out of reach of children. Keep from freezing. Keep container closed to avoid contamination. Store in a cool dry area.

STORAGE PRECAUTIONS: Do not stack pails more than three pallets high. Do not stack drums more than two pallets high. Keep from freezing. Keep container closed when not in use.

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 contamination.

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: PHOSPHORIC ACID OSHA TWA: 1 mg/m<sup>3</sup>

## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Liquid  
COLOR .....: Colorless  
ODOR .....: Mild  
BOILING POINT .....: >212 F  
SOLUBILITY IN WATER .....: Complete  
SPECIFIC GRAVITY .....: 1.18 (Water = 1)  
BULK DENSITY .....: 9.8  
MELTING/FREEZING POINT .....: 32 F  
PH .....: 1.0  
% VOLATILES .....: 12 %  
VOLATILE ORGANIC COMPOUNDS (VOC) ...: 120 g/L

## 10. STABILITY AND REACTIVITY

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: Avoid contact with this material and ferrous metal surfaces. This material is safe under normal storage and handling conditions.

## 11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: Can cause severe eye irritation.  
SKIN EFFECTS: Contact may cause skin irritation, rash or burns.  
ACUTE ORAL EFFECTS: No know hazards in normal industrial use.  
ACUTE INHALATION EFFECTS: No know hazards in normal industrial use.

## 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. For additional waste disposal information contact your local NuGenTec representative at (888) 99-NuGen. Uncleaned empty containers should be disposed of in the same manner as the contents.

CONTAMINATED MATERIALS: Wash contaminated clothing before reuse.

CONTAINER DISPOSAL: Clean out containers prior to disposal.

## 14. TRANSPORTATION INFORMATION

PRODUCT LABEL .....: NuBrite  
D.O.T. SHIPPING NAME .....: Corrosive Liquid  
TECHNICAL SHIPPING NAME ...: Corrosive Liquid, n.o.s. (phosphoric acid)  
D.O.T. HAZARD CLASS .....: Corrosive  
UN NUMBER .....: 1760 Corrosive Liquid, n.o.s.  
PRODUCT RQ (LBS) .....: 16,650  
D.O.T. LABEL .....: Corrosive Liquid, Packing Group III  
D.O.T. PLACARD .....: #8  
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: Corrosive (C)  
R-Phrases: R34 - Causes burns.  
S-Phrases: S25 - Avoid contact with eyes.  
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
WHMIS Hazard Symbols: Class E - Corrosive Material  
Canadian Disclosure List PHOSPHORIC ACID (7664-38-2)  
SARA Title III - Section 313 PHOSPHORIC ACID (7664-38-2)  
CERCLA Hazardous Substances  
PHOSPHORIC ACID (7664-38-2) -- RQ 5000 lb  
RCRA Hazardous Substances - None  
Clean Air Act - Section 112 none  
Title V: PHOSPHORIC ACID (7664-38-2)  
SC Toxic Air Pollutants List PHOSPHORIC ACID (7664-38-2)

**FDA (FOOD AND DRUG ADMINISTRATION):** This Product Meets FDA/USDA requirements for cleaning in the food processing industry.

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  
APPROVED BY .....: Milan Malek  
TITLE .....: VP Research & Development  
APPROVAL DATE .....: April 18, 2003  
SUPERCEDES DATE ...: July 28, 2000  
PRD NUMBER .....: SDB133 (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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