

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 05/16/2015

Reviewed on 05/16/2015

### 1 Identification

- **Product identifier**
- **Trade name: NuBrite B1**
- **Product number: ngt-SCA102**
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Product description PC35** Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** Alkaline cleaner/ detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
NuGeneration Technologies, LLC (dba NuGenTec)  
1155 Park Avenue, Emeryville, CA 94608  
salesteam@nugentec.com www.nugentec.com  
888-996-8436 or 707-820-4080 for product information
- **Emergency telephone number:**  
PERS Emergency Response: Domestic and Canada - 1-800-633-8253, International 1-801-629-0667

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



Skin Irrit. 2 H315 Causes skin irritation.  
Eye Irrit. 2A H319 Causes serious eye irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



- **Signal word** Warning

- **Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.

- **Precautionary statements**

Wear protective gloves.  
Wear eye protection / face protection.  
Wash thoroughly after handling.  
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
If skin irritation occurs: Get medical advice/attention.  
If eye irritation persists: Get medical advice/attention.  
If on skin: Wash with plenty of water.

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Take off contaminated clothing and wash it before reuse.

- **Unknown acute toxicity:**  
11 percent of the mixture consists of ingredient(s) of unknown toxicity.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

### 3 Composition/information on ingredients

CAS: 7732-18-5 RTECS: ZC 0110000	water, distilled, conductivity or of similar purity	60-90%
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- **Chemical characterization: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

#### • **Dangerous Components:**

CAS: 102-71-6	Triethanolamine, TEA ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	5-10%
	Proprietary polymer ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	5-10%
CAS: 34590-94-8 RTECS: JM 1575000	(2-methoxymethylethoxy)propanol Flam. Liq. 4, H227	5-10%
CAS: 7320-34-5	Tetrapotassium Pyrophosphate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	2-12%
CAS: 68412-54-4	Branched ethoxylated nonyl phenol ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≤ 2.5%

### 4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** If skin irritation occurs, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If swallowed and symptoms occur, consult a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:**  
No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

**5 Fire-fighting measures**

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

**6 Accidental release measures**

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the collected material according to regulations.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

**7 Handling and storage**

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see section 7.

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· **Control parameters**

· **Components with occupational exposure limits:**

**102-71-6 Triethanolamine, TEA**

TLV Long-term value: 5 mg/m<sup>3</sup>

**34590-94-8 (2-methoxymethylethoxy)propanol**

PEL Long-term value: 600 mg/m<sup>3</sup>, 100 ppm  
Skin

REL Short-term value: 900 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 600 mg/m<sup>3</sup>, 100 ppm  
Skin

TLV Short-term value: 909 mg/m<sup>3</sup>, 150 ppm  
Long-term value: 606 mg/m<sup>3</sup>, 100 ppm  
Skin

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Goggles recommended during refilling.

### 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

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<ul style="list-style-type: none"> <li>· <b>Color:</b> Light yellow</li> <li>· <b>Odor:</b> Mild</li> <li>· <b>Odor threshold:</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>pH-value @ 20 °C (68 °F):</b> 9.8</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Change in condition</b></li> <li>    <b>Melting point/Melting range:</b> Not determined.</li> <li>    <b>Boiling point/Boiling range:</b> 100 °C (212 °F)</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Flash point:</b> Not applicable.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Flammability (solid, gaseous):</b> Not applicable.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Ignition temperature:</b> 270 °C (518 °F)</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Decomposition temperature:</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Auto igniting:</b> Product is not self-igniting.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Danger of explosion:</b> Product does not present an explosion hazard.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Explosion limits:</b></li> <li>    <b>Lower:</b> 0.0 Vol %</li> <li>    <b>Upper:</b> 0.0 Vol %</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Vapor pressure @ 20 °C (68 °F):</b> 23 hPa (17 mm Hg)</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Density @ 20 °C (68 °F):</b> 1.075 g/cm<sup>3</sup> (8.971 lbs/gal)</li> <li>· <b>Relative density</b> Not determined.</li> <li>· <b>Vapor density</b> Not determined.</li> <li>· <b>Evaporation rate</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Solubility in / Miscibility with</b></li> <li>    <b>Water:</b> Fully miscible.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Partition coefficient (n-octanol/water):</b> Not determined.</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Viscosity:</b></li> <li>    <b>Dynamic:</b> Not determined.</li> <li>    <b>Kinematic @ 20 °C (68 °F):</b> 5 mm<sup>2</sup>/s</li> </ul>
<ul style="list-style-type: none"> <li>· <b>Solvent content:</b></li> <li>    <b>Organic solvents:</b> 18.0 %</li> <li>    <b>Water:</b> 65.9 %</li> <li>    <b>VOC content:</b> 18.0 %</li> </ul>
<ul style="list-style-type: none"> <li>    <b>Solids content:</b> 5.0 %</li> <li>· <b>Other information</b> No further relevant information available.</li> </ul>

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.

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**Trade name: NuBrite B1**

- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

#### 102-71-6 Triethanolamine, TEA

Oral	LD50	5530 mg/kg (rat) 2200 mg/kg (rabbit)
	LD50 Oral	2200 ml/kg (Guinea Pig) 5846 ml/kg (mouse)
Dermal	LD50	>22500 mg/kg (rabbit)

#### 34590-94-8 (2-methoxymethylethoxy)propanol

Oral	LD50	5135 mg/kg (rat)
Dermal	LD50	>19000 mg/kg (rab)
Inhalative	LC50/96 hours	>10.000 mg/l (Pimephales)

#### 7320-34-5 Tetrapotassium Pyrophosphate

Oral	LD50	>2000 mg/kg (mouse)
Dermal	LD50	>4640 mg/kg (rabbit)

- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** Causes serious eye irritation.
- **Additional toxicological information:**

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

102-71-6 Triethanolamine, TEA

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- **NTP (National Toxicology Program)**

None of the ingredients are listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients are listed.

### 12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

#### 102-71-6 Triethanolamine, TEA

EC50 609.98 mg/l (daphnia)

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**Trade name: NuBrite B1**

**34590-94-8 (2-methoxymethylethoxy)propanol**

EC50 1.919 mg/l (daphnia)

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Recycle or dispose with household trash.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

- |   |                        |
|---|------------------------|
| <ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> </ul>  | Non-Regulated Material |
| <ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> </ul>                            | Non-Regulated Material |
| <ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>DOT, ADR, ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | Non-Regulated Material |
| <ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>DOT, ADR, IMDG, IATA</b></li> </ul>   | Non-Regulated Material |
| <ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> </ul>   | Not applicable.        |
| <ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> </ul>   | Not applicable.        |
| <ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b></li> </ul>                        | Not applicable.        |
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>   | -                      |

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### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**  
None of the ingredients are listed.

None of the ingredients are listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **California Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection Agency)**

None of the ingredients are listed.

- **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients are listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients are listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

Causes skin irritation.  
Causes serious eye irritation.

- **Precautionary statements**

Wear protective gloves.  
Wear eye protection / face protection.

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Wash thoroughly after handling.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

**· National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**· State Right to Know**

CAS: 7732-18-5 RTECS: ZC 0110000	water, distilled, conductivity or of similar purity	60-90%
	Proprietary polymer ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	5-10%
CAS: 34590-94-8 RTECS: JM 1575000	(2-methoxymethylethoxy)propanol Flam. Liq. 4, H227	5-10%
CAS: 102-71-6	Triethanolamine, TEA ⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320	5-10%
CAS: 7320-34-5	Tetrapotassium Pyrophosphate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	2-12%
CAS: 68412-54-4	Branched ethoxylated nonyl phenol ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	≤ 2.5%

All ingredients are listed.

**· Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**· Date of preparation / last revision** 05/16/2015 / 4

**· Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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*Flam. Liq. 4: Flammable liquids, Hazard Category 4*  
*Acute Tox. 4: Acute toxicity, Hazard Category 4*  
*Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2*  
*Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1*  
*Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A*  
*Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B*  
*STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3*

· \* **Data compared to the previous version altered.**

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