

# MATERIAL SAFETY DATA SHEET

January 16 2002

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## Section 1. Product And Company Identification

**PRODUCT #:** NR-2459

**PRODUCT NAME:** Anhydrous 30% Carbamide Peroxide, Fully Stabilized

**COMMON OR CHEMICAL NAME:** 30% Bleaching/ Whitening Gel

Nu Radiance, Inc.  
795 Coronis Way  
Green Bay, WI 54304  
USA

Contact Telephone Number  
866-899-3207

## Section 2. Composition/ Information On Ingredients

**Product Contents:** 30% Carbamide Peroxide Bleaching/ Whitening Gel

**Components Containing Hazardous Ingredients:** Urea Hydrogen Peroxide (see below)

**Hazardous Ingredients:** Urea Hydrogen Peroxide

Proper Shipping Name: Urea Hydrogen Peroxide

CAS: 124-43-6

UN Designation UN-1511

Class: 5.1, Corrosive, Oxidizer

Packing Group: III

## HAZARDOUS DATA

Health: 2

Flammability: 1

Reactivity: 2

## Hazardous Data legend

4 - Extreme

3 - High

2 - Moderate

1 - Slight

0 - Insignificant

## Section 3. Hazards Identification

**For potential health hazards:** SEE Section 11

Possibility of spontaneous decomposition resulting in generation of molecular and atomic (radical) oxygen.

## Section 4. First Aid Measures

**Inhalation:** No harm anticipated from materials in quantities as commercially packaged

**Skin Contact:** Wash with soap and water

**Eye Contact:** Flush with copious amounts of water. Seek medical attention if irritation or disturbance in vision occurs.

**Ingestion:** Drink large quantities of water. Seek medical attention if substantial amounts are ingested or discomfort persists.

### **Section 5. Fire-Fighting Measures**

*Suitable Extinguishing Media:* Water: non-flammable

*Extinguishing Media, which should not be used:* Not Applicable

*Special exposure hazards from combustion products:* None

*Special protective equipment for fire fighters:* None

### **Section 6. Accidental Release Measures**

*Personal Precautions:* Avoid contact with skin or eyes. Wash hands with soap and water if contact occurs.

*Environmental Precautions:* Dispose of in accordance to all federal, state and local regulations.

*Methods for Clean Up:* Wash with water.

### **Section 7. Handling And Storage**

*Handling Precautions:* Avoid prolonged exposure to temperature above 30 degrees C

*Safe Storage Conditions:* Store on study shelves and avoid exposure to elevated temperatures.

*Other Restrictions or Recommendations:* Avoid exposure to elevated temperatures.

### **Section 8. Exposure Controls/ Personal Protection**

*Respiratory Protection & Ventilation:* Not Required.

*Protective Clothing or Equipment:* Not required under normal handling

*Unusual Work/ Hygienic Practices:* Avoid prolonged contact with skin: wash with soap and water.

### **Section 9. Physical And Chemical Properties**

*Appearance:* Semi-translucent gel                      *Odor:* None

*pH:* Not applicable

*Boiling Point/Range above:* 120 Degree C at 20 mm Hg

*Melting Point/Range:* Not applicable                      *Flash Point:* Not applicable

*Auto-Ignition Temperature:* Not applicable                      *Flammability:* No

*Explosive Limits in Air:* Not applicable                      *Oxidizing Properties:* Strong oxidizer

*Vapor Pressure (mm Hg):* 0.33 Po at 50 degree C

*Vapor Density (Air=1):* Not applicable                      *Specific Gravity (H2O=1):* 1.25

*Solubility in Water:* Substantially soluble

*Reactivity in Water:* Not reactive                      *Other Data:* None

### **Section 10. Stability And Reactivity**

*Stability:* Generally stable.

*Conditions of Instability:* Avoid prolonged exposure to temperatures above 30 degrees C

*Incompatibility with various Substances:* Alkaline substances.

*Hazardous Decomposition Products:* Acroleine (when exposed to high temperatures) and oxygen.

*Hazardous Polymerization:* None in quantities as packaged

*Conditions to Avoid:* Avoid exposures to temperatures above 30 degrees C and contact with alkaline substances.

### **Section 11. Toxicological Information**

*Potential Acute Health Effects:* Possibility of skin irritation or sensitization if not washed off promptly. Possible nausea, diarrhea, abdominal pains.

*Potential Chronic Health Effects:* Possibility of skin sensitization or irritation upon or repeated exposure.

*Signs and symptoms of Exposure:* Skin/eye irritation

*Medical Conditions Generally Aggravated by Exposure:* None known

*Carcinogenic or Potential Carcinogenic Effects:* No ingredient listed as a carcinogen

*Other Potential Health Effects:* None Known

### **Section 12. Ecological Information**

No ecological damage or impact anticipated upon exposure to the environment in quantities as packaged.

### **Section 13. Disposal Considerations**

*Waste Disposal:* Dispose in accordance with all federal, state and local regulations

### **Section 14. Transport Information**

*UN Classification:* Not applicable.

*Identification:* Not applicable

*Special Provisions for Transport:* Avoid elevated temperatures and high intensity light.

### **Section 15. Regulatory Information**

*U.S. FDA Dental Device:* Not classified as a medical device

*EC Medical Device Directive:* Not a classified as a medical device.

### **Section 16. Other Information**

*Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling and storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.*

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## Section 1. Product And Company Identification

*PRODUCT #:* NR-2458

*PRODUCT NAME:* Two Component Bleaching Gel, Part B, Forte'

*COMMON OR CHEMICAL NAME:* Bleaching/ Whitening Gel Catalyst

Nu Radiance, Inc.  
795 Coronis Way  
Green Bay, WI 54304  
USA

Contact Telephone Number  
866-899-3207

## Section 2. Composition/ Information On Ingredients

*Product Contents:* Two Component Bleaching Gel, Part B, Forte'

*Components Containing Hazardous Ingredients:* Calcium Peroxide, an oxidizer

## Section 3. Hazards Identification

*For potential health hazards:* SEE Section 11

No other significant critical hazards to man or the environment are reasonably foreseen.

## Section 4. First Aid Measures

*Inhalation:* No harm anticipated from materials in quantities as commercially packaged

*Skin Contact:* Wash with soap and water

*Eye Contact:* Flush with copious amounts of water. Seek medical attention if irritation or disturbance in vision occurs.

*Ingestion:* Drink large quantities of water. Seek medical attention if substantial amounts are ingested or discomfort persists.

## Section 5. Fire-Fighting Measures

*Suitable Extinguishing Media:* Water, CO<sub>2</sub>, and Foam

*Extinguishing Media, which should not be used:* None Known

*Special exposure hazards from combustion products:* None Known

*Special protective equipment for fire fighters:* None

## Section 6. Accidental Release Measures

*Personal Precautions:* Avoid contact with skin or eyes. Wash hands with soap and water if contact occurs.

*Environmental Precautions:* Dispose of in accordance to all federal, state and local regulations.

*Methods for Clean Up:* Rinse with water or wipe with paper towels. (small quantities)

### **Section 7. Handling And Storage**

*Handling Precautions:* Avoid prolonged exposure to temperature above 30 degrees C

*Safe Storage Conditions:* Store on study shelves and avoid exposure to elevated temperatures.

*Other Restrictions or Recommendations:* Avoid exposure to elevated temperatures: do not store in proximity to acids and easily combustible materials

### **Section 8. Exposure Controls/ Personal Protection**

*Respiratory Protection & Ventilation:* Not Required.

*Protective Clothing or Equipment:* Not required under normal handling, but contact with skin should be avoided

*Unusual Work/ Hygienic Practices:* Avoid prolonged contact with skin: wash with soap and water.

### **Section 9. Physical And Chemical Properties**

*Appearance:* Light paste

*pH:* 9-10

*Melting Point/Range:* Not applicable

*Auto-Ignition Temperature:* Not applicable

*Explosive Limits in Air:* Not applicable

*Vapor Pressure (mm Hg):* ca 760mm Hg at 290 degree C

*Vapor Density (Air=1):* N/A

*Specific Gravity (H<sub>2</sub>O=1):* >1

*Reactivity in Water:* Not reactive

*Odor:* Slight, not offensive

*Boiling Point/Range above:* 290 Degree C

*Flash Point:* Not known

*Flammability:* Under extreme conditions only

*Oxidizing Properties:* Yes

*Solubility in Water:* Partially soluble

*Other Data:* None Known.

### **Section 10. Stability And Reactivity**

*Stability:* Generally stable.

*Conditions of Instability:* Avoid prolonged exposure to temperatures above 30 degrees C

*Incompatibility with Various Substances:* Acids, easily combustible materials

*Hazardous Decomposition Products:* CO<sub>2</sub>, Acrolein

*Hazardous Polymerization:* Will not occur

*Conditions to Avoid:* Avoid exposures to temperatures above 30 degrees C and contact with acids and easily combustible materials

### **Section 11. Toxicological Information**

*Potential Acute Health Effects:* Possibility of skin irritation or sensitization upon prolonged exposure

*Potential Chronic Health Effects:* None known

*Signs and Symptoms of Exposure:* Skin/eye irritation

*Medical Conditions Generally Aggravated by Exposure:* None known

*Carcinogenic or Potential Carcinogenic Effects:* No ingredient listed as a carcinogen

*Other Potential Health Effects:* None Known

### **Section 12. Ecological Information**

No ecological damage or impacted anticipated upon exposure to environment in quantities as packaged

### **Section 13. Disposal Considerations**

*Waste Disposal:* Dispose in accordance with all federal, state and local regulations

### **Section 14. Transport Information**

*UN Classification:* UN 1457

*Identification:* Calcium Peroxide

*Special Provisions for Transport:* Avoid elevated temperatures and proximity to acids and easily combustible materials.

### **Section 15. Regulatory Information**

*U.S. FDA Dental Device:* Not classified as a medical device

*EC Medical Device Directive:* Not a classified as a medical device.

### **Section 16. Other Information**

*Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling and storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.*