

**This brand has three (3) Material Safety Data Sheets (MSDS) for its ingredients. MSDS are presented in the following order:**

- Garnier Nutrisse 20 Volume Developer
- Garnier Nutrisse Multi-Lights Highlighting Bleach Powder
- Garnier Nutrisse After Color Product

**Please scroll down to view each MSDS.**

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200. Standard must be  
 consulted for specific requirements

**U.S. Department of Labor****#99-028**

Occupation Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

**IDENTITY**

0-25 Volume Developer and Other Products  
 Containing < 8% Hydrogen Peroxide

*Note: Blank spaces are not permitted. If any item is not applicable, or no  
 information is available, the space must be marked to indicate that.*

**Section I****Manufacturer's Name**

L'Oreal USA Products, Inc.

**Emergency Telephone Number**

(800) 535-5053 (Int'l 352-323-3500)

**Address (Number, Street, City, State, and ZIP Code)**

111 Terminal Avenue

**Telephone Number For Information**

(732) 499-2745

Clark, NJ 07066

**Date Prepared**

September 27, 2004

**Signature of Preparer (optional)**

GCD

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Hydrogen Peroxide	1 ppm			<8%

**Section III - Physical/Chemical Characteristics**

Boiling Point	~212°F	Specific Gravity (H <sub>2</sub> O = 1)	~1
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	<1

**Solubility in Water**

Miscible pH = ~2.5

**Appearance and Odor**

White, creamy, thick liquid with a faint odor.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)	Flammable Limits	LEL	UEL
>200°F (closed cup)	None	N/A	N/A

**Extinguishing Media**

Use media appropriate for materials actually involved in the fire.

**Special Fire Fighting Procedures**

Upon decomposition, peroxides yield oxygen and may thereby stimulate the combustion of flammable and combustible materials. Extinguish fires with media appropriate for the burning material.

**Unusual Fire and Explosion Hazards**

Caution: Oxidizer. Residual product on towels, sponges, or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage.

**Section V - Reactivity Data**

#99-028

Stability	Unstable		Conditions to Avoid	Avoid contact with iron, zinc, and reducing agents.
	Stable	X		

**Incompatibility (Materials to Avoid)**

Organic compounds (including flammables and combustibles), iron, zinc, and reducing agents.

**Hazardous Decomposition or Byproducts**

None known.

Hazardous Polymerization	May Occur		Conditions to Avoid	None known.
	Will Not Occur	X		

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Not likely.

**Health Hazards (Acute and Chronic)**

May cause skin and severe eye irritation. Harmful if swallowed. May cause severe irritation of gastric mucous membranes if swallowed.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

**Signs and Symptoms of Exposure**

Irritation of skin, eyes, and/or mucous membranes.

**Medical Conditions Generally Aggravated by Exposure**

None known.

**Emergency and First Aid Procedure**

If swallowed, drink one or two glasses of water or milk. Call a physician, hospital emergency room, or poison control center immediately. Do not induce vomiting. Get medical attention. If in eyes, flush with water for at least 15 minutes and get medical attention. If on skin, flush with water, then wash with soap and plenty of water. Consult a physician if irritation occurs.

**Section VII - Precautions for Safe Handling and Use****Steps to be Taken in Case Material is Released or Spilled**

For small spills, wipe up with paper towels or a sponge. Wash area with water. Rinse paper towels, sponges, or mops thoroughly prior to disposal or storage. For large spills, dike and contain the free liquid. Use absorbant material to solidify spill and then place in proper containers for disposal.

**Waste Disposal Method**

Although dilute (<8%) hydrogen peroxide solutions are not regulated as hazardous wastes under RCRA, physical and/or chemical deactivation/degradation of the peroxide solution is the recommended method of treatment and disposal for these products.

**Precautions to be Taken in Handling and Storage**

Do not use or store with or near fuels, solvents, or other organic materials. Avoid iron, zinc, and reducing agents. Store in a cool place away from direct sunlight. Keep out of reach of children.

**Other Precautions**

For external use only. Use only as directed.

**Section VIII - Control Measures**

#99-028

**Respiratory Protection (Specify Type)**

None required for product use. For handling bulk quantities, use a NIOSH-approved respirator if peroxide TLV is exceeded. For spills or fires, wear a self-contained breathing apparatus.

Ventilation	Local Exhaust	Recommended	Special
	Mechanical(General)	Acceptable	Other

**Protective Gloves**

Plastic or rubber.

**Other Protective Clothing or Equipment**

Safety glasses with side shields or full face shield) and protective clothing are recommended for manufacturing operations. Safety shower and eyewash station should be immediately available.

**Work/Hygienic Practices**

OSHA hazard classification: Oxidizer, irritant, slightly toxic.

DOT classification: Bulk - Not regulated.

Finished Product - Not regulated.



## MATERIAL SAFETY DATA SHEET

MSDS DATE: March 17, 2008

MSDS # 99-030

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

L'Oreal USA Products, Inc.  
111 Terminal Avenue  
Clark, NJ 07066

**Emergency Telephone Number**  
800-535-5053 (International: 352-323-3500)

**For further information:**  
732-499-2741

**Product Name: Oxidizing Hair Bleach Products**

Recommendations on use: For lightening of hair color

**CAUTION:** Oxidizing solid which in itself is not necessarily combustible, but may generally cause or contribute to the combustion of other materials by yielding oxygen. Store at room temperature. Keep from heat and moisture. Do not use metal utensils with this product. For external use only. Use only as directed. Keep out of reach of children.

Refer to product insert or container for additional use warnings.

### SECTION 2: HAZARDS IDENTIFICATION

Finely divided, free-flowing powder. May be white or colored and could have a possible ammonia odor or enhanced fragrance.

Decomposes in contact with moisture/excessive heat. May cause release of oxygen and oxides of sulfur which support combustion. Decomposition could form a high temperature melt. See section ten of this document (Stability and Reactivity).

May have irritating properties to eyes/respiratory system and skin. May have the potential to cause skin/respiratory sensitization.

OSHA reactive substance, oxidizer; DOT 5.1 Oxidizer; WHMIS Class C; Oxidizing material. See section fifteen of this document (Regulatory Information).

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% WT</u>
Potassium Persulfate	7727-21-1	<61
Sodium Persulfate	7775-27-1	<11

### SECTION 4: FIRST AID MEASURES

**EYES:** Immediately flush with luke-warm water and get medical attention if irritation persists.

**SKIN:** Immediately flush with luke-warm water and get medical attention if irritation persists.

**INGESTION:** If swallowed, do not induce vomiting. Call a physician, hospital, emergency room or poison control center immediately. Get prompt medical attention.

**INHALATION:** Move to fresh air. If irritation symptoms persist, get medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Acute health hazards may be delayed. Most common symptoms include irritating properties to eyes/respiratory system and skin.

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## SECTION 5: FIRE-FIGHTING MEASURES

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**EXTINGUISHING MEDIA:** Water and/or foam – typically a Class A or Class B extinguisher should be sufficient for the product. However, selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved.

**SPECIAL FIRE FIGHTING PROCEDURES:** Upon decomposition, persulfates yield oxygen and may thereby stimulate combustion of flammable and combustible materials. Extinguish fires with media appropriate for the burning material.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Caution: Product contains oxidizing materials. Residual product on towels, sponges or mops may cause fire. Rinse towels thoroughly before disposal. Rinse sponges and mops thoroughly before storage. Persulfate compounds may ignite and undergo decomposition in the presence of moisture and heat. Spray and flood decomposing material with large quantities of water.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxygen, chlorine, oxides of sulfur, sodium oxide and ammonia

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**ACCIDENTAL RELEASE MEASURES:** For small spills, wipe up with damp paper towels or sponge. Wash area completely with water. Rinse paper towels, sponges or mops thoroughly prior to disposal or storage. For larger quantities, sweep up and place in UN specification drum(s) for disposal. During clean-up, do not contaminate powder with organic material. Keep drummed waste cool and dry pending disposal.

**PERSONAL PROTECTIVE EQUIPMENT:** Plastic or rubber gloves, respirator, eye protection and apron may be required for clean-up of large spills.

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING AND STORAGE:** Use only with adequate ventilation and avoid inhalation. Avoid contact with eyes and skin (other than areas of application). Do not inhale or ingest. Prepare and use in a well-ventilated area. Do not store with or near fuels, solvents or other organic materials. Avoid heat, moisture and reducing agents.

Refer to product insert or container for additional use warnings.

**OTHER PRECAUTIONS:** Do not allow stored material to come into contact with moisture (keep lids properly affixed on product stored in plastic tubs). Do not store metal utensils inside containers of product.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**ENGINEERING CONTROLS:** None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized.

**VENTILATION:** Local exhaust ventilation is not typically required for product use. For handling large quantities of material, such as in the manufacturing of product -- Local Exhaust: Explosion proof. Mechanical (general): Explosion proof.

**RESPIRATORY PROTECTION:** Respiratory protection is not required for product use. For manufacturing of product, respiratory protection may be considered. Ensure that the respirator meets current local occupational health and safety standards. Particulate filtering cartridges should be utilized with air-purifying respiratory protection.

**EYE PROTECTION:** None required for product use. For handling large quantities of material, safety glasses with side shields/goggles are recommended.



**SKIN PROTECTION:** Plastic or rubber gloves should be worn during product application and preparation. For handling large quantities of material, such as in product manufacturing, plastic or rubber gloves should also be considered for use

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Apron may be used for product handling. Tyvek clothing may also be suitable for handling large quantities of material.

**WORK HYGIENIC PRACTICES:** Ensure all work surfaces are clean. Metal instruments should not be used with this product or stored inside product containers.

**Occupational Exposure Values:**

OSHA PEL-TWA:	None Established
ACGIH TLV-TWA:	Sodium Persulfate//Potassium Persulfate: 0.1 mg/m3
OSHA PEL/ACGIH TLV STEL :	None Established
OSHA PEL/ACGIH TLV CEILING:	None Established

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE AND ODOR:** Finely divided, free-flowing powder. May be white or colored and could have a possible ammonia odor or enhanced fragrance.

**PHYSICAL STATE:** Finely divided, free-flowing powder (solid).

**BOILING POINT:** F: N/A C: N/A **MELTING POINT:** Decomposes

**FREEZING POINT:** F: N/A C: N/A

**VAPOR PRESSURE (mmHg):** @ F: N/A C: N/A

**VAPOR DENSITY (AIR = 1):** @ F: N/A C: N/A

**SPECIFIC GRAVITY (H2O = 1):** >1 **EVAPORATION RATE:** N/A

**SOLUBILITY IN WATER:** Approx 80% water soluble

**FLAMMABLE LIMITS IN AIR (% BY VOLUME):** UPPER: N/A LOWER: N/A

**FLASH POINT:** F: N/A C: N/A **METHOD USED:** N/A

**AUTOIGNITION TEMPERATURE:** F: N/A C: N/A

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**SECTION 10: STABILITY AND REACTIVITY**

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**STABILITY:** Material is stable at room temperature and under dry conditions. Heat and/or moisture may cause instability.

**CONDITIONS TO AVOID (STABILITY):** Heat, moisture and contamination with organic materials and metal utensils.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Organic compounds (including flammable and combustible materials) and reducing agents.

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxygen, chlorine, oxides of sulfur, sodium oxide and ammonia

**HAZARDOUS POLYMERIZATION:** Will not occur **CONDITIONS TO AVOID (POLYMERIZATION):** N/A

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### CARCINOGENICITY:

OSHA: Not recognized as carcinogenic      ACGIH: Not recognized as carcinogenic  
NTP: Not recognized as carcinogenic      IARC: Not recognized as carcinogenic

ROUTES OF EXPOSURE: Inhalation, eyes, skin

### POTENTIAL HEALTH EFFECTS:

<b>EYES:</b> Irritation	<b>SKIN:</b> Irritation, possible allergic dermatitis
<b>INGESTION:</b> Harmful if swallowed, slightly toxic	<b>INHALATION:</b> Irritation and possible sensitization

**ACUTE HEALTH HAZARDS:** Irritation of eyes, skin and mucous membranes. Possible irritant/allergic dermatitis and respiratory signs and symptoms, the onset of which may be delayed.

**CHRONIC HEALTH HAZARDS:** Possible allergic dermatitis. Possible respiratory sensitization could occur.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Existing dermatological conditions (such as eczema) and respiratory conditions (such as bronchial asthma and/or bronchitis) may be exacerbated.

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## SECTION 12: ECOLOGICAL INFORMATION

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The product itself has not been tested as a whole, but the following results have been associated with some of its constituents:

Potassium/Sodium Persulfate:

Bluegill sunfish, 96-hour LC50 = 771 mg/L  
Rainbow Trout, 96-hour LC50 = 163 mg/L  
Daphnia, 48-hour LC50 = 133 mg/L  
Grass shrimp, 96 hour LC50 = 519 mg/L

**CHEMICAL FATE:** Biodegradability does not apply to inorganic substances.

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## SECTION 13: DISPOSAL CONSIDERATIONS

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**WASTE DISPOSAL METHOD:** Hair bleaching products are ignitable RCRA hazardous wastes when intended for disposal. Physical and/or chemical deactivation/degradation is the required method of treatment and disposal.

**RCRA HAZARD CLASS:** D001

Follow all local governmental requirements intended for disposal.



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## SECTION 14: TRANSPORT INFORMATION

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### North American Ground Transportation

- **In Consumer Packaging:** ORM-D; Consumer Commodity
- **OTHER THAN CONSUMER PACKAGING:**
  - ID NUMBER: UN 1479
  - PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  - TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  - HAZARD CLASS: 5.1
  - PACKING GROUP: III
  - LABEL STATEMENTS: Oxidizer 5.1 (see label on next page)

### Transport Via Water

- **In Consumer Packaging:** Limited Quantity < 5 kg
  - ID NUMBER: UN 1479
  - PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  - TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  - HAZARD CLASS: 5.1
  - PACKING GROUP: III
  - LABEL STATEMENTS: Oxidizer 5.1 or LTD QTY, if applicable (see Division 5.1 label on next page)
- **OTHER THAN CONSUMER PACKAGING:**
  - ID NUMBER: UN 1479
  - PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  - TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  - HAZARD CLASS: 5.1
  - PACKING GROUP: III
  - LABEL STATEMENTS: Oxidizer 5.1 (see label on next page)

### Transport Via Air

- **In Consumer Packaging:** Fully Regulated (see classification for "other than consumer packaging" below)
  - Limited quantity (maximum net quantity per package) = 10 kg
- **OTHER THAN CONSUMER PACKAGING:**
  - ID NUMBER: UN 1479
  - PROPER SHIPPING NAME: Oxidizing solid, n.o.s.
  - TECHNICAL NAME: (Potassium Persulfate, Sodium Persulfate)
  - HAZARD CLASS: 5.1
  - PACKING GROUP: III
  - LABEL STATEMENTS: Oxidizer 5.1 (see label on next page)

Please be aware of carrier transport variations before shipping hazardous materials.

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**LABELS FOR THIS PRODUCT WHEN NOT SHIPPING AS A CONSUMER COMMODITY**

Label for fully regulated materials, Division 5.1:



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**SECTION 15: REGULATORY INFORMATION**

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**National Fire Protection Association Codes:** Health: 1 Fire: 0 Reactivity: 1 Other: OX

**Hazardous Materials Identification System:** Class C; Oxidizing material

**Occupational Safety and Health Administration:** Oxidizing material/reactive, irritant, possible sensitizer, slightly toxic

**US DOT/ICAO/IMDG:** See section 14 above

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**SECTION 16: OTHER INFORMATION**

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**PREPARATION INFORMATION:** This document replaces the version dated September 15, 2004 and all previous versions of material safety data sheets related to this product.

Preparer: Chandra L. Jennings

# Material Safety Data Sheet

Products associated with this document are exempt from OSHA's Hazard Communication Standard 29 CFR 1910.1200, due to low presence or no presence of hazardous materials. Standard must be consulted for specific requirements and reporting thresholds.

U.S. Department of Labor Non-Haz

Occupation Safety and Health Administration

(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072

## IDENTITY

L'Oreal Non-Hazardous hair styling, cosmetic and/or skin care products

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## Section I

Manufacturer's Name L'Oreal USA Products, Inc.	Emergency Telephone Number (800) 535-5053 (Int'l 352-323-3500)
Address (Number, Street, City, State, and ZIP Code) 111 Terminal Avenue  Clark, NJ 07066	Telephone Number For Information (732) 499-2745
	Date Prepared May 10, 2005
	Signature of Preparer (optional) CLJ/GCD

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Not applicable				

## Section III - Physical/Chemical Characteristics

Boiling Point (Liquids)	varies	Specific Gravity (H <sub>2</sub> O = 1)	>1
Vapor Pressure (mm Hg)	N/A	Melting Point (Solids)	varies
Vapor Density (AIR = 1)	>1	Evaporation Rate (Butyl Acetate = 1)	<1

### Solubility in Water

Generally soluble or miscible

### Appearance and Odor

May have a mild to moderate fragrance

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) >200°F	Flammable Limits Not applicable	LEL N/A	UEL N/A
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### Extinguishing Media

Carbon dioxide, dry chemical, foam, and/or water spray.

### Special Fire Fighting Procedures

Fires involving bulk product may be extinguished with carbon dioxide, dry chemical, and/or foam. Water spray may be used to soak corrugated shipping containers of finished product if involved in a fire.

### Unusual Fire and Explosion Hazards

None; however, observe usual precautions for handling of combustible materials. For manufacturing, minimize airborne vapor levels through engineering controls.

**Section V - Reactivity Data****Non-Haz**

Stability	Unstable		Conditions to Avoid	Avoid heat, fire, and other sources of ignition.
	Stable	X		

## Incompatibility (Materials to Avoid)

Oxidizing agents and nitric acid.

## Hazardous Decomposition or Byproducts

Silicon dioxide, carbon monoxide, carbon dioxide.

Hazardous Polymerization	May Occur		Conditions to Avoid	None known.
	Will Not Occur	X		

**Section VI - Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	Yes

## Health Hazards (Acute and Chronic)

No health hazards anticipated.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

## Signs and Symptoms of Exposure

No health hazards anticipated.

## Medical Conditions Generally Aggravated by Exposure

None known.

## Emergency and First Aid Procedure

If in eyes, flush with plenty of water for at least 15 minutes. Get medical attention if irritation occurs. If swallowed, drink one or two glasses of water or milk and consult a physician. If on skin, wash with soap and water.

**Section VII - Precautions for Safe Handling and Use**

## Steps to be Taken in Case Material is Released or Spilled

Eliminate all sources of ignition. Dike and contain the free liquid, if any, and absorb on vermiculite, spill pillows, or other absorbants. Containerize spent absorbants in suitable containers for disposal. Wash spill area with detergent solution as necessary.

## Waste Disposal Method

Non-hazardous products are not regulated as hazardous wastes when intended for disposal. However, incineration is the recommended method of treatment and disposal for such products.

## Precautions to be Taken in Handling and Storage

Store bulk quantities in a cool, well-ventilated room. Limit quantities on hand to the extent possible. Store away from possible sources of ignition. Observe usual precautions relative to static electricity. Avoid oxidizing agents and nitric acid.

## Other Precautions

For external use only. Use only as directed.

**Section VIII - Control Measures**

For routine manufacturing/filling operations, none generally required. For spills, wear an approved self-contained breathing apparatus.

Ventilation	Local Exhaust	Explosion-Proof	Special
	Mechanical(General)	Explosion-Proof	Other

**Protective Gloves**

Rubber or plastic gloves for bulk quantities.

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**Other Protective Clothing or Equipment**

Safety glasses and protective clothing for bulk quantities.

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**Work/Hygienic Practices**

OSHA hazard classification: Non-Hazardous

DOT classification: Bulk - Not regulated

Finished Product - Not regulated.

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