

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

L'Oreal Canada  
4895 rue Hickmore  
Ville St-Laurent, H4Y 1K5  
Canada

**Emergency Telephone Number:**  
1-800-535-5053 (International: 352-323-3500)  
In Canada – 1-613-996-6666 (Canutec) (\*666 cellular)

**For further information:**  
1-732-499-2741

**Poison Control Number:** 412-390-3326




**Product Name: L'Oreal Technique Effasol Color Remover**  
**L'Oreal Technique ColorZap Haircolor Remover Powder**  
**L'Oreal Colorist Secrets Haircolor Remover Powder**


**Recommendations on use:** Personal care product to be mixed with companion product(s) in accordance with instructions and applied to hair for color removal.

**Restrictions on use:** For external use only. Use only as directed.

## SECTION 2: HAZARDS IDENTIFICATION

**Signal Word: DANGER**

Symbol	Classification	Hazard Statement	Prevention Statements
	Oxidizing Solids Category 2	May intensify fire Oxidizer	<ul style="list-style-type: none"> <li>Keep away from heat. Keep/Store away from metal and combustible materials.</li> <li>Take any precaution to avoid mixing with combustibles.</li> </ul>
	Eye Damage Category 1	Causes serious eye damage	<ul style="list-style-type: none"> <li>Wash hands and all skin surfaces contacted thoroughly after handling</li> <li>Wear nitrile or vinyl gloves. Wear eye protection appropriate for the manufacturing operation being performed (goggles or face shield).</li> </ul>
	Sensitization Respiratory	May cause allergy or asthma symptoms or breathing difficulties if inhaled	<ul style="list-style-type: none"> <li>Avoid breathing dust.</li> <li>In case of inadequate ventilation wear respiratory protection</li> </ul>

Symbol	Classification	Hazard Statement	Prevention Statements
	Acute Toxicity Oral Category 4	Harmful if swallowed	<ul style="list-style-type: none"> <li>Do not eat, drink or smoke when using this product</li> </ul>
No symbol Required	Sensitization – Skin Category 1	May cause an allergic skin reaction	<ul style="list-style-type: none"> <li>Contaminated work clothing must not be allowed out of the workplace</li> </ul>
No symbol Required	Skin Irritation Category 2	Causes skin irritation	<ul style="list-style-type: none"> <li>See prevention statements above</li> </ul>
No symbol Required	Specific Target Organ Toxicity (Single Exposure) Category 3	May cause respiratory irritation	<ul style="list-style-type: none"> <li>Use only outdoors or in a well-ventilated area</li> </ul>

This material is considered hazardous by the US Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200)

General Precautionary Statements: Keep out of reach of children. Read label/directions before use. Keep from heat and moisture. Do not use metal utensils.

Hazards Not Otherwise Classified: None

## **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**Only hazardous constituents associated with the product are listed below**

<b><u>INGREDIENT:</u></b>	<b><u>CAS NO.</u></b>	<b><u>% WT</u></b>
EDTA	60-00-4	≤ 1.0%
Diethylhexyl Sodium Sulfosuccinate	577-11-7	≤ 2.0%
Ammonium Chloride	12125-02-9	≤ 5.0%
Sodium Metasilicate	6834-92-0	≤ 9.0%
Strontium Peroxide	1314-18-7	≤ 11.5%
Sodium Lauryl Sulfate	68955-19-1	≤ 14.0%
Potassium Persulfate	7727-21-1	≤ 20.0%
Sodium Persulfate	7775-27-1	≤ 33.0%

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## **SECTION 4: FIRST AID MEASURES**

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### **Response Statements:**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing until material is sufficiently removed from the eye. **If eye irritation persists:** Immediately call a poison control center or get medical advice/attention.

**IF ON SKIN:** Wash with plenty of water. Take off contaminated clothing and wash it before reuse. **If skin irritation or rash occurs:** Get medical advice/attention.

**IF INHALED:** If breathing is difficult, remove person to fresh air and keep in a position comfortable for breathing. **If experiencing respiratory symptoms:** Call a poison control center or get medical advice/attention.

**IF SWALLOWED:** Rinse mouth. Do not induce vomiting. Never give anything by mouth to an unconscious individual. Call a poison control center or get medical advice/attention if you feel unwell.

**SYMPTOMS/EFFECTS:** Causes serious eye damage. May cause asthma symptoms or breathing difficulties. Harmful if swallowed. May cause an allergic skin reaction. Causes skin irritation. May cause respiratory irritation.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Consult product labeling. No special advice.

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## **SECTION 5: FIRE-FIGHTING MEASURES**

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### **Notes for Non-Emergency Personnel:**

**EXTINGUISHING MEDIA:** In case of fire: Use carbon dioxide, dry chemical and/or foam to extinguish. Water spray may be used to soak other materials surrounding the product, to prevent the spread of the fire. Selection of a fire extinguisher should also be appropriate to address the location of the fire and equipment involved. Review the tools available at your location to ensure proper availability of equipment.

### **Notes for those trained to participate in an emergency:**

**SPECIAL FIRE FIGHTING PROCEDURES:** Follow National Fire Protection Association Guidelines or local guidelines appropriate for emergency response.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Persulfates yield oxygen and may stimulate combustion of flammable and combustible materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal degradation may produce oxygen, ammonia, oxides of carbon, sulfur, hydrocarbons, and/or derivatives.

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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### **Notes for non-emergency personnel:**

Consult trained response personnel for clean-up of large spills or locations where providing preliminary control of the chemical release is hazardous. Hazardous locations include areas where ignition sources cannot be controlled and where mixture with organic material is possible. Isolate the area and deny entry to unnecessary and unprotected personnel. Sections 2, 5, 7 and 8 of this document should be consulted upon use of material, to become knowledgeable of the material's hazards and how to control associated risks.

If the location is not hazardous and only a small amount of material is released, the material can be swept up or wiped with damp towels/sponges while wearing the protective equipment as noted below. Clean the area with detergent and water. Prohibit discharge to drains, soil, surface and ground waters. Dispose in accordance with section 13 of this document.

**PERSONAL PROTECTIVE EQUIPMENT:** Nitrile or vinyl gloves, safety glasses/goggles and protective clothing (e.g. apron) may be required for clean-up of large releases. Respiratory protection is typically not necessary, but may be used depending upon the size of the spill and occupational exposure limits. Respiratory protection may include the use of particulate cartridges. See also section 8 of this document.

**Notes for those trained to participate in an emergency:**

**ACCIDENTAL RELEASE MEASURES:** Materials in powder form are not expected to migrate greatly during release. Released material should be swept up and accumulated in appropriate UN specification containers while minimizing dust generation. Wash area completely with water. Take care to avoid contact with wet surfaces or walkways that may become slick when residue is present. Rinse response equipment (e.g. towels, sponges, mops) thoroughly prior to disposal or storage. Prohibit discharge to drains, soil, surface and ground waters.

Recommendations for personal protective equipment selection are noted above. Dispose in accordance with section 13 of this document.

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## SECTION 7: HANDLING AND STORAGE

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**PRECAUTIONS FOR SAFE HANDLING:**

Do not eat, drink or smoke while working with hazardous chemicals. Employees should be advised to wear appropriate protective equipment in the manufacturing environment. See section 8 of this document for protective equipment selection. Use only with adequate ventilation and avoid inhalation. Avoid contact with eyes and skin. Do not use with metal utensils. All manufacturing should be performed indoors, in an enclosed environment.

Maintain a clean work environment which includes use of properly functioning containers, proper housekeeping practices.

**CONDITIONS FOR SAFE STORAGE:**

**Storage precautions for unpackaged product (manufacturing environment):** Keep in a cool and well-ventilated area. Keep containers closed when not in use. Store away from moisture. Do not store metal utensils with product. This material should be stored locked up in an area where production inventory may be controlled by authorized personnel. Store in a location where spill containment will be easily accessible and releases can be contained.

**Storage precautions for packaged product:** See consumer packaging.

Keep away from open drains and access to the environment.

**Incompatible materials:** Organic compounds and reducing agents. Store away from incompatible materials and moisture.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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**CONTROL PARAMETERS:** These criteria have been published by the referenced authority to establish exposure limits in the work environment. Employee work areas should be monitored to ensure that permissible limits are not exceeded during the work day. These references do not coincide with product use. These references are meant to be in association with the manufacturing environment.

**OCCUPATIONAL EXPOSURE VALUES:**

Component Name (CAS-No.)	Reference	TWA		STEL/CEILING	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Ammonium Chloride (Fume) (12125-02-9)	OSHA PEL	--	--	--	--
	ACGIH TLV	--	10	--	20
	NIOSH REL	--	10	--	20
Potassium Persulfate (Persulfates) 7727-21-1	OSHA PEL	--	--	--	--
	ACGIH TLV	--	0.1	--	--
	NIOSH REL	--	--	--	--

Component Name (CAS-No.)	Reference	TWA		STEL/CEILING	
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium Persulfate (7775-27-1)	OSHA PEL	--	--	--	--
	ACGIH TLV	--	0.1	--	--
	NIOSH REL	--	--	--	--

No occupational exposure values have been published for other constituents noted in Section 3.

**WORK HYGIENIC PRACTICES:** Ensure all work surfaces are maintained, to prevent contamination.

**ENGINEERING CONTROLS:** None required for product use. For handling large quantities of material, such as in the manufacturing of product, ventilation should be utilized. This ventilation should be compatible with the control of oxidizing materials. Exhaust ventilation should be utilized to maintain air concentrations of material below the occupational exposure guidelines noted above.

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.

**PERSONAL PROTECTIVE EQUIPMENT:** Consistent with good hygiene practices, personal protective equipment (PPE) should be used in conjunction with other control measures including engineering controls, ventilation and isolation. See also Section 5 of this document for PPE advice, in the event of an emergency.

**Eye/Face Protection (Non-Emergency):** None required for product use. Contact with eyes should be avoided. For handling of large quantities of material, safety glasses with side shields/goggles are recommended.

**Skin Protection (Non-Emergency):** Gloves should be worn when mixing kit components and applying mixture. For handling large quantities of material, such as in product manufacturing, nitrile or vinyl gloves should be considered for use. Tyvek clothing may also be suitable for handling large quantities of material in the manufacturing environment.

**Respiratory Protection (Non-Emergency):** Respiratory protection is not required for product use. For manufacturing of product, respiratory protection such may be considered. Ensure that the respirator meets current local occupational health and safety standards.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	Bluish finely divided, free-flowing powder
<b>ODOR:</b>	Not Available
<b>ODOR THRESHOLD:</b>	Not Available
<b>pH:</b>	11.1 – 11.7 (Solution)
<b>MELTING/FREEZING POINT:</b>	<b>F:</b> Not Available <b>C:</b> Not Available
<b>BOILING POINT:</b>	<b>F:</b> Not Available <b>C:</b> Not Available
<b>FLASH POINT:</b>	<b>F:</b> > Not Applicable <b>C:</b> >Not Applicable <b>METHOD USED:</b> Not Applicable
<b>EVAPORATION RATE:</b>	Not Applicable
<b>FLAMMABILITY:</b>	Not Applicable
<b>VAPOR PRESSURE (mmHg):</b>	@ 70F: Not Available @ 21 C: Not Available
<b>VAPOR DENSITY (AIR = 1):</b>	@ 70F: Not Available @ 21 C: Not Available

<b>RELATIVE DENSITY (H2O = 1):</b>	Not Available
<b>SOLUBILITY IN WATER:</b>	Not Available
<b>PARTITION COEFFICIENT:</b>	Not Available
<b>AUTOIGNITION TEMPERATURE:</b>	Not Available
<b>DECOMPOSITION TEMPERATURE:</b>	Not Available
<b>VISCOSITY:</b>	Not Available

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## **SECTION 10: STABILITY AND REACTIVITY**

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**REACTIVITY:** Material is not considered reactive under typical handling and storage conditions.

**STABILITY:** Product is stable.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None known. Hazardous polymerization is not expected to occur.

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

**INCOMPATIBILITY (MATERIAL TO AVOID):** Organic compounds and reducing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal degradation may produce oxygen, ammonia, oxides of carbon, sulfur, hydrocarbons, and/or derivatives.

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## **SECTION 11: TOXICOLOGICAL INFORMATION**

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**Where information is not listed specifically for constituents, published information was not available.**

### **POTENTIAL HEALTH EFFECTS**

#### **ACUTE HEALTH EFFECTS:**

**SKIN CORROSION/IRRITATION:** Causes skin irritation

**SERIOUS EYE DAMAGE/IRRITATION:** Causes serious eye damage

**RESPIRATORY/SKIN SENSITIZATION:** May cause allergic reaction/breathing difficulty; May cause allergic skin reaction

**INGESTION:** Harmful if swallowed.

**INHALATION:** May cause respiratory irritation

**ROUTES OF EXPOSURE:** Eyes, skin, ingestion, inhalation

**SYMPTOMS:** Causes serious eye damage. May cause asthma symptoms or breathing difficulties. Harmful if swallowed. May cause an allergic skin reaction. Causes skin irritation. May cause respiratory irritation.

**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.

## ACUTE TOXICOLOGY DATA FOR COMPONENTS

Material	Route	Species	Test Results
EDTA	Oral LD <sub>50</sub>	Rat (OECD 401 eq.)	4,500 mg/kg bw
EDTA	Inh. LC <sub>50</sub> (6h)	Rat (Dust)	>1 mg/l air
Diethylhexyl Sodium Sulfosuccinate	Oral LD <sub>50</sub>	Rat (OECD 401 eq.)	4,200 mg/kg bw
Diethylhexyl Sodium Sulfosuccinate	Dermal LD <sub>50</sub>	Rabbit (OECD 402 eq.)	>10,000 mg/kg bw
Ammonium Chloride	Oral LD <sub>50</sub>	Rat (OECD 401 eq.)	1,410 mg/kg bw
Ammonium Chloride	Dermal LD <sub>50</sub>	Rat (EU Method B.3)	>2,000 mg/kg bw
Sodium Metasilicate	Oral LD <sub>50</sub>	Rat	1,152 mg/kg bw
Sodium Lauryl Sulfate	Oral LD <sub>50</sub>	Rat	6,000 mg/kg bw
Sodium Lauryl Sulfate	Dermal LD <sub>50</sub>	Rabbit	600 mg/kg bw
Sodium Lauryl Sulfate	LC <sub>50</sub> (4 hr)	Rat	8.67 mg/l air
Potassium Persulfate	Oral LD <sub>50</sub>	Rat (OECD 401 eq.)	1,130 mg/kg bw
Potassium Persulfate	Dermal LD <sub>50</sub>	Rabbit	>10,000 mg/kg bw
Potassium Persulfate	LC <sub>50</sub> (1 hr)	Rat	>42.9 mg/l air
Sodium Persulfate	Oral LD <sub>50</sub>	Rat (OECD 401 eq.)	920 mg/kg bw
Sodium Persulfate	Dermal LD <sub>50</sub>	Rabbit	>10,000 mg/kg bw
Sodium Persulfate	LC <sub>50</sub> (4 hr)	Rat (OECD 403)	>5.1 mg/l air

### Skin Corrosion/Irritation:

<i>EDTA:</i>	Not Irritating (Rabbit)
<i>Diethylhexyl Sodium Sulfosuccinate:</i>	Irritating (Rabbit, OECD 404)
<i>Ammonium Chloride:</i>	Not Irritating (Rabbit, Draize)
<i>Sodium Metasilicate:</i>	Corrosive (Rabbit, OECD 404)
<i>Strontium Peroxide:</i>	Irritating
<i>Sodium Lauryl Sulfate:</i>	Slightly/ Moderately Irritating: 0.5% - 10%; Skin Corrosion: 10% - 30% (Rat)
<i>Potassium Persulfate:</i>	Irritating (Rabbit)
<i>Sodium Persulfate:</i>	Irritating (Rabbit)

### Serious Eye Damage/Irritation:

<i>EDTA:</i>	Irritating (Rabbit)
<i>Diethylhexyl Sodium Sulfosuccinate:</i>	Corrosive (Rabbit, OECD 405)
<i>Ammonium Chloride:</i>	Irritating (Rabbit)
<i>Sodium Metasilicate:</i>	Corrosive (In Vitro, IRE)
<i>Strontium Peroxide:</i>	Corrosive
<i>Sodium Lauryl Sulfate:</i>	Mildly Irritating: 5.1%; Moderately Irritating: 10%; Severely Irritating: 21% (Rat)
<i>Potassium Persulfate:</i>	Irritating (Rabbit)
<i>Sodium Persulfate:</i>	Irritating (Rabbit)

### Respiratory Irritation:

<i>Sodium Metasilicate:</i>	Irritating
<i>Strontium Peroxide:</i>	Irritating
<i>Potassium Persulfate:</i>	Irritating (Human)
<i>Sodium Persulfate:</i>	Irritating (Human)

### Skin Sensitization:

<i>EDTA:</i>	Not Sensitizing (Guinea Pig, OECD 406)
<i>Diethylhexyl Sodium Sulfosuccinate:</i>	Not Sensitizing (Human, RIPT)
<i>Ammonium Chloride:</i>	Not Sensitizing (Guinea Pig, GPMT)
<i>Sodium Metasilicate:</i>	Not Sensitizing (Guinea Pig, OECD 429)
<i>Sodium Lauryl Sulfate:</i>	Possibly sensitizing with repeated contact
<i>Potassium Persulfate:</i>	Sensitizing (Mouse, OECD 429 eq.)
<i>Sodium Persulfate:</i>	Sensitizing (Guinea Pig, OECD 406)

**CHRONIC HEALTH HAZARDS:**

**REPEAT DOSE TOXICITY:**

NOAEL (*Diethylhexyl Sodium Sulfosuccinate*, oral): 750 mg/kg/day (Rat, OECD 408 eq., 90d)  
 NOAEL (*Ammonium Chloride*, oral): 1,695 mg/kg bw/day (Rat, OECD 408 eq., 90d)  
 NOAEL (*Sodium Metasilicate*, oral): >227 mg/kg bw/day (Rat, 90d)  
 NOAEL (*Sodium Lauryl Sulfate*, oral): 100 mg/kg/day (Rat )  
 NOAEL (*Potassium Persulfate*, oral): 131.5 mg/kg bw/day (Rat, OECD 407 eq., 28d)  
 LOAEL (*Sodium Persulfate*): 200 mg/kg bw/day (Rat, OECD 408 eq., 90d)

**CARCINOGENICITY:**

Component Name (CAS-No.)	OSHA	ACGIH	NTP	IARC
None established	--	--	--	--

**MUTAGENICITY:**

*Diethylhexyl Sodium Sulfosuccinate:* A variety of *in vitro* tests have products negative results  
*Ammonium Chloride:* A variety of *in vivo* tests have produced negative results.  
*Sodium Metasilicate:* A variety of *in vitro* and *in vivo* tests have products negative results.  
*Sodium Lauryl Sulfate:* A variety of *in vitro* and *in vivo* tests have products negative results.  
*Potassium Persulfate:* A variety of *in vitro* tests have produced negative results.  
*Sodium Persulfate:* A variety of *in vitro* and *in vivo* tests have products negative results.

**REPRODUCTIVE TOXICITY:**

*Diethylhexyl Sodium Sulfosuccinate:* NOEL: 1% (Rat, OECD 416 eq.) – No reproductive effects  
*Sodium Lauryl Sulfate:* No adverse effect was seen on fertility.

**DEVELOPMENTAL TOXICITY/TERATOGENICITY:**

*EDTA:* NOAEL: ≥ 967 mg/kg bw/day (Rat) – No Developmental Effects  
*Diethylhexyl Sodium Sulfosuccinate:* NOAEL: 1,074 mg/kg bw/d (Rat, OECD 414 eq.) – No developmental effects  
*Ammonium Chloride:* NOAEL: 8.9 mg/kg (Rat) – No Development Effects  
*Sodium Metasilicate:* NOAEL: > 200 mg/kg bw/day (Mouse)  
*Sodium Lauryl Sulfate:* NOAEL: 300 mg/kg/day; LOAEL: 600 mg/kg/day (Mice/Rat)

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**SECTION 12: ECOLOGICAL INFORMATION**

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Contact with the environment should be avoided. Spills and leaks should be immediately cleaned up and removed. All precautions should be taken to prevent contact with the environment. Published information regarding ingredients listed on this document area found below; where data is not listed, documentation was unavailable.

**ACUTE AND PROLONGED TOXICITY TO FISH**

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
EDTA	LC <sub>50</sub>	159 mg/L	Lepomis macrochirus	96 h
Diethylhexyl Sodium Sulfosuccinate	LC <sub>50</sub> (OECD 203)	27.2 mg/L	Oncorhynchus mykiss	96 h
Ammonium Chloride	LC <sub>50</sub> (APHA E03-05)	209 mg/L	Cyprinus carpio	96 h
Sodium Metasilicate	LC <sub>50</sub> (ISO 7346)	210 mg/L	Danio rerio	96 h
Potassium Persulfate	LC <sub>50</sub>	76 mg/L	Oncorhynchus mykiss	96 h
Sodium Persulfate	LC <sub>50</sub> (EPA OPP 72-1)	163 mg/L	Oncorhynchus mykiss	96 h



## ACUTE TOXICITY TO AQUATIC INVERTEBRATES

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
EDTA	EC <sub>50</sub> (DIN 38412, 11)	625 mg/L	Daphnia Magna	25 h
Diethylhexyl Sodium Sulfosuccinate	EC <sub>50</sub> (OECD 202 eq.)	34.0 mg/L	Daphnia Magna	48 h
Ammonium Chloride	EC <sub>50</sub> (ASTM E729-80)	101 mg/L	Daphnia Magna	48 h
Sodium Lauryl Sulfate	EC <sub>50</sub>	5.55 mg/L	Ceriodaphnia Dubia	48 h
Potassium Persulfate	EC <sub>50</sub>	120 mg/L	Daphnia Magna	48 h
Sodium Persulfate	EC <sub>50</sub> (EPA OPP 72-2)	133 mg/L	Daphnia Magna	48 h

## TOXICITY TO AQUATIC PLANTS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
Diethylhexyl Sodium Sulfosuccinate	EC <sub>50</sub> (EU Method C.3)	82.5 mg/L	Desmodesmus subspicatus	72 h
Ammonium Chloride	EC <sub>50</sub>	1,300 mg/L	Chlorella vulgaris	5 d
Sodium Lauryl Sulfate	EC <sub>50</sub>	> 120mg/L	Green Algae	72 h
Sodium Persulfate	EC <sub>50</sub> (OECD 201)	116 mg/L	Pseudokirchneriella subcapitata	72 h

## TOXICITY TO MICROORGANISMS

INGREDIENT NAME	TEST	RESULT	SPECIES	EXPOSURE
EDTA	EC <sub>50</sub>	2.4 mmol/L	Microorganism	24 h
Diethylhexyl Sodium Sulfosuccinate	EC <sub>50</sub> (DIN 38412, 8)	164 mg/L	Pseudomonas putida	16.5 h
Ammonium Chloride	EC <sub>50</sub> (OECD 209)	1,618 mg/L	Activated Sludge	30 min
Sodium Metasilicate	EC <sub>50</sub> (OECD 209)	> 100 mg/L	Activated Sludge	3 h
Sodium Lauryl Sulfate	EC <sub>50</sub>	0.38 mg/L	Photobacterium Phosphoreum	15 min

## PERSISTENCY AND DEGRADABILITY:

*EDTA:* 37% (14d) – OECD 302 B – Inherently Biodegradable  
*Diethylhexyl Sodium Sulfosuccinate:* 91.2% (28d) – ISO 14593 – Readily Biodegradable

## BIOACCUMULATIVE POTENTIAL:

*EDTA:* BCF: 1.1; log Pow: -3.86 (Est.) – Not expected to bioaccumulate  
*Ammonium Chloride:* log Pow: -4.37 – Not expected to bioaccumulate  
*Sodium Metasilicate:* Not expected to bioaccumulate  
*Potassium Persulfate:* Not expected to bioaccumulate  
*Sodium Persulfate:* Not expected to bioaccumulate

## SECTION 13: DISPOSAL CONSIDERATIONS

Those responsible for the performance of disposal, recycling or reclamation activities should refer to Section 8 of this document for advice on personal protective equipment and exposure controls.

**WASTE DISPOSAL CONTAINERS:** Appropriate US DOT containers should be utilized which may include cardboard boxes for products, plastic/lined drums for solids. These containers should meet the packaging specifications required for DOT compliance. Packaging containers must not include incompatible materials.

**WASTE DISPOSAL METHOD:** As manufactured, this product exhibits the ignitable (D001) RCRA characteristic of hazardous waste. Controlled incineration at a licensed waste facility is the recommended technology for treatment and disposal. Material must not be disposed of through sewage.

## 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:** Limited Quantity/Consumer Commodity (≤ 1 kg)
  - UN ID Number:** UN 1479
  - Proper Shipping Name:** Oxidizing solid, n.o.s.
  - Technical Name:** Potassium persulfate, sodium persulfate
  - Hazard Class:** 5.1
  - Packing Group:** II
  - Label Statements:** Exempt – Limited Quantity Marking Only
  
- **OTHER THAN CONSUMER PACKAGING:**
  - UN ID Number:** UN 1479
  - Proper Shipping Name:** Oxidizing solid, n.o.s.
  - Technical Name:** Potassium persulfate, sodium persulfate
  - Hazard Class:** 5.1
  - Packing Group:** II
  - Label Statements:** Oxidizing (Division 5.1)

**Transport Via Water**

- **IN CONSUMER PACKAGING:** Limited Quantity/Consumer Commodity (≤ 1 kg)
  - UN ID Number:** UN 1479
  - Proper Shipping Name:** Oxidizing solid, n.o.s.
  - Technical Name:** Potassium persulfate, sodium persulfate
  - Hazard Class:** 5.1
  - Packing Group:** II
  - Label Statements:** Exempt – Limited Quantity Marking Only
  
- **OTHER THAN CONSUMER PACKAGING:**
  - UN ID Number:** UN 1479
  - Proper Shipping Name:** Oxidizing solid, n.o.s.
  - Technical Name:** Potassium persulfate, sodium persulfate
  - Hazard Class:** 5.1
  - Packing Group:** II
  - Label Statements:** Oxidizing (Division 5.1)

**Transport Via Air (Domestic/International)**

- **IN CONSUMER PACKAGING:** Limited Quantity (≤ 0.5 kg) (*Not eligible for ID 8000, Consumer Commodity*)
  - UN ID Number:** UN 1479
  - Proper Shipping Name:** Oxidizing solid, n.o.s.
  - Technical Name:** Potassium persulfate, sodium persulfate
  - Hazard Class:** 5.1
  - Packing Group:** II
  - Label Statements:** Limited Quantity Marking & Oxidizer (Division 5.1)
  
- **OTHER THAN CONSUMER PACKAGING:**
  - UN ID Number:** UN 1479
  - Proper Shipping Name:** Oxidizing solid, n.o.s.
  - Technical Name:** Potassium persulfate, sodium persulfate
  - Hazard Class:** 5.1
  - Packing Group:** II
  - Label Statements:** Oxidizing (Division 5.1)

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

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## SECTION 15: REGULATORY INFORMATION

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**National Fire Protection Association Codes:** Health: 2 Fire: 0 Reactivity: 1 Other: OX

**Workplace Hazardous Materials Identification System:** Class C; Oxidizing Material; Class D; Division 2, Subdivision B; Corneal Damage/Skin Irritation;

This regulatory information represents the product, in its consumer packaging.

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## SECTION 16: OTHER INFORMATION

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**PREPARATION INFORMATION:** This document replaces the version dated June 3, 2010 and all previous versions of safety data sheet related to this product.

Author: Ronald Weslosky (Corporate Regulatory Services)