

MATERIAL SAFETY DATA SHEET *May 11, 2007*
CREAM HAIR COLOR – PERMANENT – ALL COLORS

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

JOS. H. LOWENSTEIN & SONS, INC.
 420 Morgan Avenue
 Brooklyn, NY 11222

Emergency Telephone No.: Chemtrec 800-424-9300
 Outside the Continental USA: 703-527-3887 (call collect)

PRODUCT NAME: CREAM HAIR COLOR – PERMANENT – ALL COLORS CAS NO.: Mixture
 CHEMICAL NAME: Mixture EINECS NO: Mixture
 SYNONYMS: All "Permanent ... CE-80-RPM" Cream Oxidation Hair Colors.

MSDS DATE: January 4, 2005 PREPARED BY: Charles Sokol Version: 1.0
 PRIOR MSDS DATE: New MSDS PREPARED BY: Not applicable

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

May be harmful if swallowed or inhaled. May be a skin, eye and respiratory irritant. Most of these formulations contain oxidation dyes that are skin sensitizers, so repeated or prolonged contact may produce allergic skin reactions. The toxicological properties of this material have not been determined. This product is a paste with an ammonia odor. The color varies, depending upon the formulation.

HMS CODES:

HEALTH: 2
 FIRE: 1
 REACTIVITY: 1
 PERSONAL PROTECTION: H

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, inhalation.

POTENTIAL HEALTH EFFECTS:

ACUTE:

May be harmful if swallowed or inhaled. May be a skin, eye and respiratory irritant. The toxicological properties of this material have not been determined.

CHRONIC:

Most of these formulations contain oxidation dyes that are skin sensitizers, so repeated or prolonged contact may produce allergic skin reactions. Mists of this material might actually worsen lung health problems, such as bronchial asthma, emphysema and chronic bronchitis.

SIGNS & SYMPTOMS OF EXPOSURE:

Skin irritation, skin discoloration and dermatitis.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

None known.

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CARCINOGENICITY NTP: No
 IARC: No
 OSHA: No

SECTION 3 - COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>%</u>	See Section 8 for exposure limits.	<u>CAS NO.</u>
Ammonia	1.5-2.7		7664-41-7
p-Phenylenediamine	0-2		106-50-3
Other ingredients	95.3-98.5		Mixture

OSHA CLASSIFICATION OF PRODUCT: Hazardous

SECTION 4 - FIRST AID MEASURES

EYES: In case of contact with eyes, rinse immediately for at least 15 minutes and seek medical attention.

SKIN: In case of contact of large quantities with skin, rinse immediately and wash with soap and water.

INHALATION: In case of inhalation, remove to fresh air; administer oxygen if breathing is difficult. If breathing has stopped, apply artificial respiration. Seek immediate medical attention.

INGESTION: In case of ingestion, seek immediate medical attention.

NOTES TO PHYSICIAN: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (method used): >200°F (Not tested - based upon professional judgement.) **METHOD:** Not applicable

FLAMMABLE LIMITS LEL UEL
VOLUME Not determined Not determined

AUTO-IGNITION TEMPERATURE:..... Not determined.

EXTINGUISH MEDIA:..... Carbon dioxide, dry chemical powder, water spray, alcohol or polymer foam.

SPECIAL FIRE FIGHTING PROCEDURES:..... The use of a self-contained breathing apparatus is required when fighting fires involving this material.

UNUSUAL FIRE & EXPLOSION HAZARDS:..... Products of combustion are toxic.

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL: R/O-None

Absorb on sand or vermiculite and place in closed container for disposal. Dike and contain large spills to minimize the quantity of material going into drains. Flush spill area with plenty of water.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep in a cool place. Keep container tightly closed. Keep container dry. Keep away from food, drink, and animal feedstock. Handle and open container with care. Do not eat, drink or smoke when handling material. Do not breathe vapor. Avoid prolonged contact with skin. Avoid contact with eyes. Wear appropriate safety equipment. Wash after handling. Sensitized individuals must not be allowed to handle this material.

OTHER PRECAUTIONS:

Eye-wash station/safety shower.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS:

<u>HAZARDOUS COMPONENTS</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>CAS NO.</u>
Ammonia	1.5-2.7	25 ppm 35 ppm (STEL)	50 ppm 35 ppm (STEL – revoked)	7664-41-7
p-Phenylenediamine	0-2	0.1 mg/M ³	0.1 mg/M ³ - skin	106-50-3
Other ingredients	97.3-98.5	None established	None established	Mixture

RESPIRATORY PROTECTION:

When working with large quantities, a NIOSH/MSHA approved air-purifying respirator with a mist filter may be permissible when aerosol levels are low (e.g. <10 mg/cubic meter), or when vapor levels are below their permissible exposure limits. Protection provided by air purifying respirators is limited. An end of service life indicator (ESLI) or a change schedule are required to be sure that cartridges or canisters are replaced prior to the end of their effective service life. Use a positive pressure, supplied air respirator if there is any potential for an uncontrolled release, when exposure levels are not known, or in any other circumstances where air purifying respirators may not provide adequate protection. A program conforming to the requirements of 29CFR1910.134 should be used to control use of all respirators.

VENTILATION: LOCAL: Yes
 GENERAL: Yes
 SPECIAL: Not applicable

PROTECTIVE GLOVES:..... Rubber.
 EYE PROTECTION:..... Chemical goggles.
 OTHER PROTECTIVE EQUIPMENT OR CLOTHING: Apron/gauntlets (for large quantities of material).

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EU DIRECTIVE 2002/61/EC AND GERMAN
 LAW TRGS-614 STATUS, BANNING
 CERTAIN AMINES PRODUCED BY THE
 BREAKDOWN OF PARTICULAR AZO DYES:

These products do not contain any azo dyes. However, some of these products contain one or more components that are not on EINECS; if so, they can only be used commercially in applications that are exempt from EINECS, such as use in imported hair dye preparations.

EUROPEAN CLASSIFICATION & LABELING

LABEL SYMBOL(S): None
 RISK PHRASE: R 36/37/38-43
 SAFETY PHRASE: S 37/39-38

CANADA
 DSL/NDSL CHEMICAL INVENTORY
 STATUS:

Some of these products contain one or more components that are not included on the DSL or NDSL chemical inventory. Such materials cannot be used commercially in Canada.

JAPAN
 ENCS-MITI CHEMICAL INVENTORY
 STATUS:

Some of these products contain components that are not included on the ENCS-MITI Inventory and/or not included on the Japan approved quasi-drug or cosmetic ingredient lists. Such products cannot be used in the hair.

KOREA
 ECL CHEMICAL INVENTORY STATUS:

Some of these products contain components that are not included on the ECL chemical inventory. Such materials can only be used commercially in applications that are exempt from ECL, such as use in hair dyes.

SECTION 16 - OTHER INFORMATION

CHANGES FROM PRIOR VERSION: New MSDS (2004 ANSI standard and GHS compliant).

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