



Schering-Plough HealthCare Products, Inc.
3030 Jackson Avenue
Memphis, TN 38151

MATERIAL SAFETY DATA SHEET

Schering-Plough urges each user or recipient of this MSDS to read the entire data sheet to become aware of the hazards associated with this material.

SECTION 1. IDENTIFICATION OF SUBSTANCE AND CONTACT INFORMATION

MSDS NAME: **Coppertone Emulsion Lotions**

SYNONYM(S): Coppertone Emulsion Lotions
Coppertone Kids Colorblock Lotion (Blue, Purple) SPF 30-40
Coppertone Kids Lotion SPF 30-50
Coppertone Kids Lotion SPF 30 with Parsol-1789
Coppertone Kids Sunblock Lotion SPF 45
Coppertone Kids UVA Guard Lotion SPF 30
Coppertone Lotion Spray (Waterproof) SPF 30
Coppertone Shade UVA Guard Lotion SPF 30-45
Coppertone Shade Waterproof Lotion SPF 45
Coppertone Sport Trigger Spray Lotion SPF 30
Coppertone Waterbabies Broad Spectrum UVA/UVB Sunblock Lotion SPF 45
Coppertone Waterbabies Lotion SPF 30-50
Coppertone Waterbabies Spray Lotion SPF 50
Coppertone UltraGuard Lotion SPF 15-50

MSDS NUMBER: SP000039

EMERGENCY NUMBER(S): (908) 423-6000 (24/7/365) English Only
Emergencies - CHEMTREC:
(800) 424-9300 (Inside Continental USA)
(703) 527-3887 (Outside Continental USA)

MERCK MSDS HELPLINE: (800) 770-8878 (US and Canada)
(908) 473-3371 (Worldwide)
Monday to Friday, 9am to 5pm (US Eastern Time)

SECTION 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Lotion
Color according to product specification
Product-specific odor

Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to manufacturer's directions.

POTENTIAL HEALTH EFFECTS:

Although some ingredients used in the manufacture of this product are considered hazardous on an individual basis, the final formulation of this product is considered non-hazardous when used according to manufacturer's directions.

The health hazard information presented is based on studies conducted using the maximum concentrations of the active ingredients in formulations similar to that of this product. Any health effects would be expected to be similar to or less than those observed in those studies.

These products have been shown to be not sensitizing to human skin. These products may cause slight skin irritation under occlusive conditions. Eye contact may cause slight eye irritation with temporary stinging, redness, tearing, and increased blinking.

LISTED CARCINOGENS

Triethanolamine is classified by IARC as a Group 3 carcinogen (unclassifiable as to carcinogenicity in humans).

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

PRODUCT USE: Consumer product

CHEMICAL FORMULA: Mixture.

The formulations for these products are proprietary information. These formulations have the same hazardous profile; however, the presence of hazardous ingredients may vary by formulation. Only hazardous ingredients in concentrations of 1% or greater and/or carcinogenic ingredients in concentrations of 0.1% or greater are listed in the Chemical Composition table. Active ingredients in any concentration are listed.

CHEMICAL COMPOSITION

INGREDIENT	CAS NUMBER	PERCENT
Aluminum Starch Octenylsuccinate	9087-61-0	<10
Avobenzone	70356-09-1	0-3
Barium Sulfate	7727-43-7	<10
Benzyl Alcohol	100-51-6	<10
Homosalate	118-56-9	0-15
Isopropyl Myristate	110-27-0	<10
Octadecene/MA Copolymer	25266-02-8	<10
Octinoxate	5466-77-3	0-7.5
Octisalate	118-60-5	0-5
Octocrylene	6197-30-4	0-10
Oxybenzone	131-57-7	0-6
Sorbitan Isostearate	71902-01-7	<10
Sorbitol	50-70-4	<10
Stearic Acid	57-11-4	<10
Triethanolamine	102-71-6	<10

ADDITIONAL INFORMATION: This MSDS is written to provide health and safety information for individuals who will be handling the final product formulation during research, manufacturing, and distribution. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate MSDS for each ingredient. Refer to the package insert or product label for handling guidance for the consumer.

SECTION 4. FIRST AID MEASURES

INHALATION: Remove to fresh air. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a physician.

SKIN CONTACT: In keeping with good hygienic practices, wash exposed areas thoroughly with soap and water.

EYE CONTACT: As with any material contacting the eye, it is recommended to rinse eyes with water.

INGESTION: Rinse mouth with water. If symptoms develop, consult a physician.

SECTION 5. FIRE FIGHTING MEASURES

FLAMMABILITY DATA:

Flash Point: >93 deg C (>199.4 deg F)

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing and self-contained breathing apparatus (SCBA).

SUITABLE EXTINGUISHING MEDIA:

Carbon dioxide (CO₂), extinguishing powder or water spray.

See Section 9 for Physical and Chemical Properties.

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear appropriate personal protective equipment as specified in Section 8. Keep personnel away from the clean-up area.

SPILL RESPONSE / CLEANUP:

All spills should be handled according to site requirements and based on precautions cited in the MSDS. In the case of liquids, use proper absorbent materials. For laboratories and small-scale operations, incidental spills within a hood or enclosure should be cleaned by using a HEPA filtered vacuum or wet cleaning methods as appropriate. For large dry or liquid spills or those spills outside enclosure or hood, appropriate emergency response personnel should be notified. In manufacturing and large-scale operations, HEPA vacuuming prior to wet mopping or cleaning is required.

See Sections 9 and 10 for additional physical, chemical, and hazard information.

SECTION 7. HANDLING AND STORAGE

HANDLING:

Keep containers adequately sealed during material transfer, transport, or when not in use. Wash face, hands, and any exposed skin after handling. Do not eat, drink, or smoke when using this substance or mixture.

Appropriate handling of this material is dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. See Section 8 (Exposure Controls) for additional guidance.

STORAGE:

Store in a cool, dry, well ventilated area.

See Section 8 for exposure controls and additional safe handling information.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS

The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT (PPE):

- Respiratory Protection: None required for consumer use of this product.

Respiratory protective equipment (RPE) may be required for certain laboratory and large-scale manufacturing tasks if potential airborne breathing zone concentrations of substances exceed the relevant exposure limit(s). Workplace risk assessment should be completed before specifying and implementing RPE usage. Potential exposure points and pathways, task duration and frequency, potential employee contact with the substance, and the ability of the substance to be rendered airborne during specific tasks should be evaluated. Initial and ongoing strategies of quantitative exposure measurement should be obtained as required by the workplace risk assessment. All RPE must conform to local and regional specifications for efficacy and performance. Consult your site or corporate health and safety professional for additional guidance.
- Skin Protection: None required for consumer use of this product.

Gloves that provide an appropriate barrier to the skin are recommended if there is potential for contact with this material. Consult your site safety staff for guidance.
- Eye Protection: None required for consumer use of this product.

Safety glasses with side shields. Use of goggles or full face protection may be required based on hazard, potential for contact, or level of exposure. Consult your site safety staff for guidance.
- Body Protection: None required for consumer use of this product.

In small-scale or laboratory operations, lab coats or equivalent protection is required. Disposable Tyvek or other dust impermeable suit should be considered based on procedure or level of exposure. Use of additional PPE such as shoe coverings, gauntlets, hood, or head covering may be necessary. Consult your site safety staff for guidance.

In large-scale or manufacturing operations, disposable Tyvek or other dust impermeable suit is recommended and based on level of exposure. Use of additional PPE such as shoe coverings, gauntlets, hood, or head covering may be necessary. Consult your site safety staff for guidance.

EXPOSURE LIMIT VALUES

INGREDIENT	CAS NUMBER	ACGIH TLV (TWA)	OSHA PEL (TWA)
Barium Sulfate	7727-43-7	10 mg/m ³	15 mg/m ³
Triethanolamine	102-71-6	5 mg/m ³	

Fields in the above table(s) that do not contain data indicate that exposure limits are not available for those endpoints.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Lotion
COLOR: Color according to product specification
ODOR: Product-specific odor
pH: 6.5-8.8
BOILING POINT / RANGE: >93 deg C
SPECIFIC GRAVITY: 1.01-1.05
SOLUBILITY:
Water: Slightly soluble

See Section 5 for flammability/explosivity information.

SECTION 10. STABILITY AND REACTIVITY

STABILITY/ REACTIVITY:
Stable under normal conditions.

INCOMPATIBLE MATERIALS / CONDITIONS TO AVOID:
Strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS / REACTIONS:
No dangerous decomposition is expected if used according to manufacturer's specifications.

SECTION 11. TOXICOLOGICAL INFORMATION

These data are from studies using the maximum concentrations of the active ingredients in the final formulation.

ACUTE TOXICITY DATA

SKIN:
Slightly irritating.

EYE:
Slightly irritating.

ORAL:
Practically not toxic.

DERMAL AND RESPIRATORY SENSITIZATION:
Not sensitizing.

REPEAT DOSE TOXICITY DATA

CARCINOGENICITY:
This material or product has not been evaluated for carcinogenicity.

SECTION 12. ECOLOGICAL INFORMATION

ECOTOXICITY DATA

INGREDIENT ECOTOXICITY

Avobenzone:
96-hr NOEL (fish): 7.7 mg/L
48-hr EC50 (daphnia): 1.97 mg/L

ENVIRONMENTAL DATA

MSDS NAME: Coppertone Emulsion Lotions

MSDS NUMBER: SP000039

Latest Revision Date: 22-May-2012

Page 4 of 6

OTHER INGREDIENT ENVIRONMENTAL DATA:

Avobenzene is not readily biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS**MATERIAL WASTE:**

Disposal must be in accordance with applicable federal, state/provincial, and/or local regulations. Incineration is the preferred method of disposal, when appropriate. Operations that involve the crushing or shredding of waste materials or returned goods must be handled to meet the recommended exposure limit(s).

PACKAGING AND CONTAINERS:

Disposal must be in accordance with applicable federal, state/provincial, and/or local regulations.

SECTION 14. TRANSPORT INFORMATION

This material is not subject to the transportation regulations of DOT, IATA, IMO, and the ADR.

SECTION 15. REGULATORY INFORMATION**TSCA LISTING**

INGREDIENT	TSCA
Aluminum Starch Octenylsuccinate	X
Avobenzene	X
Barium Sulfate	X
Benzyl Alcohol	X
Homosalate	X
Isopropyl Myristate	X
Octadecene/MA Copolymer	X
Octinoxate	X
Octisalate	X
Octocrylene	X
Oxybenzone	X
Sorbitan Isostearate	X
Sorbitol	X
Stearic Acid	X
Triethanolamine	X

U.S. STATE REGULATIONS

INGREDIENT	California Proposition 65	CARTK	NJRTK	CTRTK	MARTK
Barium Sulfate			4000		X
Benzyl Alcohol					X
Triethanolamine			4094		X

INGREDIENT	PARTK	MNRTK	MIRTK	RIRTK
Barium Sulfate	X	X		
Benzyl Alcohol	X	X		
Triethanolamine	X	X		X

Fields in the above tables that do not contain data indicate that those materials have not been listed by local regulations.

SECTION 16. OTHER INFORMATION

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

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Monday to Friday, 9am to 5pm (US Eastern Time)

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