



MATERIAL SAFETY DATA SHEET

Revision date: 27-Jun-2006

Version: 1.2

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

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Material Name: Lubriderm Advanced Therapy Moisturizing Lotion

Trade Name: Lubriderm
Chemical Family: Not determined
Intended Use: moisturizing lotion

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS List	%
Butylated hydroxytoluene	128-37-0	204-881-4	*
Light mineral oil	8042-47-5	232-455-8	*
Cetyl alcohol	36653-82-4	253-149-0	*
Emulsifying wax	8014-38-8	Not listed	*
Sodium hydroxide	1310-73-2	215-185-5	*
Glycerin, USP	56-81-5	200-289-5	*
Titanium dioxide	13463-67-7	236-675-5	*

Ingredient	CAS Number	EU EINECS List	%
Cyclomethicone	69430-24-6	Not listed	*
Isopropyl Isostearate	68171-33-5	269-023-3	*
Lecithin	8002-43-5	232-307-2	*
Carbomer	9003-01-4	Not listed	*
Diazolidinyl urea	78491-02-8	278-928-2	*
Tocopheryl acetate	7695-91-2	231-710-0	*
Xanthan gum	11138-66-2	234-394-2	*
Sodium Pyruvate	113-24-6	204-024-4	*
Iodopropynyl butylcarbamate	55406-53-6	259-627-5	*
Propylene glycol dicaprylate-caprate	68583-51-7	271-516-3	*
PEG-40 Stearate	9004-99-3	Not listed	*
Tri (PPG-3 Myristyl ether) Citrate	NOT ASSIGNED	Not listed	*
Sodium benzoate	532-32-1	208-534-8	*
Vitamin A, Retinyl Palmitate	79-81-2	201-228-5	*
Fragrance	NOT ASSIGNED	Not listed	*
Edetate disodium	139-33-3	205-358-3	*
Purified water	7732-18-5	231-791-2	*

Additional Information:

* Proprietary Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety.

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3. HAZARDS IDENTIFICATION

Appearance: Off-white lotion
Signal Word: CAUTION

Statement of Hazard: May cause eye irritation

Eye Contact: May cause eye irritation. (based on components) .

Skin Contact: No data available May cause irritation based on components.

Inhalation: An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).

Ingestion: No data available

EU Indication of danger: Not classified

Additional Information: For a more detailed discussion of potential health hazards and toxicity see Section 11.
Note: This document has been prepared in accordance with standards for workplace safety, which require the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warnings included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with water for at least 15 minutes. If irritation occurs or persists, get medical attention.

Skin Contact: Wash exposed area with soap and water, remove contaminated clothing and obtain medical assistance if irritation occurs.

Ingestion: Get medical attention. Do not induce vomiting unless directed by medical personnel. Give water to dilute unless instructed to do otherwise.

Inhalation: Remove to fresh air. If discomfort persists, get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Use carbon dioxide, dry chemical, or water spray.

Hazardous Combustion Products: Emits toxic fumes of carbon monoxide, and hydrogen cyanide.

Fire Fighting Procedures: Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.

Fire / Explosion Hazards: Fine particles (such as dust and mists) may fuel fires/explosions.

Additional Information: Toxic gases may be emitted in fires of this material.

6. ACCIDENTAL RELEASE MEASURES

Health and Safety Precautions: Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure.

Measures for Cleaning / Collecting: Use non-combustible absorbent material to wipe up spill and place in a sealed container for disposal. Clean spill area thoroughly.

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Measures for Environmental Protections:

Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Additional Consideration for Large Spills:

Spills should be handled by vacuuming or wet mopping. Clean spill area thoroughly.

Additional Information:

Review Sections 3, 8 and 12 before proceeding with clean up.

7. HANDLING AND STORAGE

General Handling:

Avoid contact with eyes. Avoid breathing vapor or mist.

Storage Conditions:

Keep in tightly closed containers away from heat and light.

Storage Temperature:

Store as directed by product packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Butylated hydroxytoluene

ACGIH Threshold Limit Value (TWA) 2 mg/m³ TWA

Sodium hydroxide

OSHA - Final PELs - TWAs: 2 mg/m³

ACGIH Ceiling Threshold Limit: 2 mg/m³

Glycerin, USP

OSHA - Final PELs - TWAs: 15 mg/m³ total dust
5 mg/m³ respirable fraction

ACGIH Threshold Limit Value (TWA) 10 mg/m³ TWA

Titanium dioxide

OSHA - Final PELs - TWAs: 15 mg/m³ total dust

ACGIH Threshold Limit Value (TWA) 10 mg/m³ TWA

The exposure limit(s) listed for solid components are only relevant if dust may be generated.

Engineering Controls:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment:

Hands:

Wear protective gloves when working with large quantities.

Eyes:

Glasses or goggles are recommended if eye contact is possible.

Skin:

Not required for the normal use of this product.

Respiratory protection:

None required under normal conditions of use. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical State:

Lotion

Color:

Off-white

Molecular Formula:

Mixture

Molecular Weight:

Mixture

pH:

5.0 - 5.5

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10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Avoid direct sunlight, conditions that might generate heat, and sources of ignition.
Incompatible Materials: None known
Hazardous Decomposition Products: None known
Polymerization: No data available

11. TOXICOLOGICAL INFORMATION

General Information: The information included in this section describes the potential hazards of the individual ingredients.

Acute Toxicity: (Species, Route, End Point, Dose)

Sodium hydroxide

Mouse IP LD50 40 mg/kg

Emulsifying wax

Mouse Oral 15,000 mg/kg

Titanium dioxide

Rat Oral LD50 > 7500 mg/kg

Rat Subcutaneous LD 50 50 mg/kg

Light mineral oil

Rat Oral LD50 > 24 g/kg

Cetyl alcohol

Rat Oral LD50 5000 mg/kg

Rabbit Dermal LD50 > 2,600 mg/kg

Mouse Oral LD50 3200 mg/kg

Glycerin, USP

Mouse Oral LD50 4090 mg/kg

Rat Oral LD50 12.6 g/kg

Rabbit Dermal LD50 > 10 g/kg

Rat Inhalation LC50 1hr > 570 mg/m³

Cyclomethicone

Rat Oral LD50 > 16,000 mg/kg

Rabbit Dermal LD50 > 16,000 mg/kg

Lecithin

Rat Oral LD50 > 8 ml/kg

Diazolidinyl urea

Rat Oral LD50 2570 mg/kg

Rabbit Dermal LD50 > 2000 mg/kg

Rat Inhalation LC50 4.5h (50% aq. solution) 1.3 mg/kg

Sodium benzoate

Rat Oral LD50 4,070 mg/kg

Mouse Oral LD50 1600 mg/kg

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Xanthan gum

Rat Oral LD50 > 5000 mg/kg

Iodopropynyl butylcarbamate

Rat Oral LD50 1470 mg/kg

Rabbit Dermal LD50 > 2000 mg/kg

Rat Inhalation LC50 4h 670 mg/kg (dust)

Rat Inhalation LC50 4h 630 mg/kg (aerosol)

Butylated hydroxytoluene

Rat Oral LD50 1700 mg/kg

Mouse Oral LD50 650 mg/kg

Rat Oral LD50 890 mg/kg

Mouse Intraperitoneal LD 50 138 mg/kg

Acute Toxicity Comments: A greater than symbol (>) indicates that the toxicity endpoint being tested was not achievable at the highest dose used in the test.

Irritation / Sensitization: (Study Type, Species, Severity)

Sodium hydroxide

Eye Irritation Rabbit Severe

Skin Irritation Rabbit Severe

Glycerin, USP

Eye Irritation Rabbit Mild

Vitamin A, Retinyl Palmitate

Skin Irritation Rabbit Mild

Eye Irritation Rabbit Mild

Butylated hydroxytoluene

Eye Irritation Rabbit Moderate

Skin Irritation Rabbit Moderate

Repeated Dose Toxicity: (Duration, Species, Route, Dose, End Point, Target Organ)

Sodium benzoate

10 Day(s) Rat Oral 27370 mg/kg LOAEL Liver, Blood

10 Day(s) Mouse Oral 45 g/kg LOAEL Liver, Kidney, Blood, Ureter, Bladder

Butylated hydroxytoluene

4 Week(s) Rat Oral 5185 mg/kg LOAEL Liver

4 Day(s) Mouse Oral 2000 mg/kg LOAEL Liver, Kidney, Ureter, Bladder

Reproduction & Development Toxicity: (Duration, Species, Route, Dose, End Point, Effect(s))

Sodium benzoate

Embryo / Fetal Development Rat Oral 44 g/kg LOEL Developmental toxicity

Butylated hydroxytoluene

Embryo / Fetal Development Rat Oral 6 g/kg LOEL Teratogenic

Carcinogen Status:

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA. See below

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Titanium dioxide

IARC: Group 3

Butylated hydroxytoluene

IARC: Group 3

Carbomer

IARC: Group 3

12. ECOLOGICAL INFORMATION

Environmental Overview: The environmental characteristics of this material have not been fully evaluated. Releases to the environment should be avoided. See aquatic toxicity data for individual components below:

Aquatic Toxicity: (Species, Method, End Point, Duration, Result)

Diazolidinyl urea

Rainbow Trout LC50 96 Hours > 100 mg/L

Daphnia magna LC50 48 Hours 34.9 mg/L

Iodopropynyl butylcarbamate

Rainbow Trout LC50 96 Hours 0.72 mg/L

Daphnia magna LC50 48 Hours 0.16 mg/L

Aquatic Toxicity Comments: A greater than (>) symbol indicates that acute ecotoxicity was not observed at the maximum solubility. Since the substance is insoluble in aqueous solutions above this concentration, an acute ecotoxicity value (i.e. LC/EC50) is not achievable.

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Observe all local and national regulations when disposing of this material.

14. TRANSPORT INFORMATION

Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

EU Indication of danger: Not classified

OSHA Label:

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CAUTION

May cause eye irritation

Canada - WHMIS: Classifications

WHMIS hazard class:

None required

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

Cyclomethicone

Inventory - United States TSCA - Sect. 8(b) Listed

Isopropyl Isostearate

EU EINECS List 269-023-3

Inventory - United States TSCA - Sect. 8(b) Listed

Lecithin

EU EINECS List 232-307-2

Inventory - United States TSCA - Sect. 8(b) Listed

Carbomer

Inventory - United States TSCA - Sect. 8(b) Listed

Diazolidinyl urea

EU EINECS List 278-928-2

Inventory - United States TSCA - Sect. 8(b) Listed

Butylated hydroxytoluene

EU EINECS List 204-881-4

Inventory - United States TSCA - Sect. 8(b) Listed

Tocopheryl acetate

EU EINECS List 231-710-0

Inventory - United States TSCA - Sect. 8(b) Listed

Xanthan gum

EU EINECS List 234-394-2

Inventory - United States TSCA - Sect. 8(b) Listed

Sodium Pyruvate

EU EINECS List 204-024-4

Inventory - United States TSCA - Sect. 8(b) Listed

Iodopropynyl butylcarbamate

CERCLA/SARA 313 Emission reporting 1.0% de minimis concentration

EU EINECS List 259-627-5

Inventory - United States TSCA - Sect. 8(b) Listed

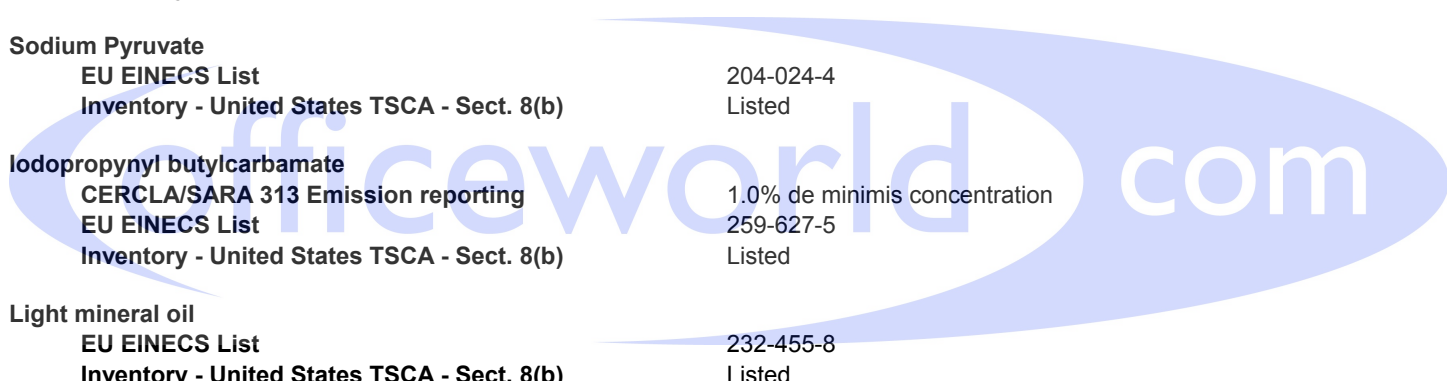
Light mineral oil

EU EINECS List 232-455-8

Inventory - United States TSCA - Sect. 8(b) Listed

Propylene glycol dicaprylate-caprate

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EU EINECS List	271-516-3
Inventory - United States TSCA - Sect. 8(b)	Listed
PEG-40 Stearate	
Inventory - United States TSCA - Sect. 8(b)	Listed
Sodium benzoate	
EU EINECS List	208-534-8
Inventory - United States TSCA - Sect. 8(b)	Listed
Vitamin A, Retinyl Palmitate	
EU EINECS List	201-228-5
Inventory - United States TSCA - Sect. 8(b)	Listed
Cetyl alcohol	
EU EINECS List	253-149-0
Inventory - United States TSCA - Sect. 8(b)	Listed
Sodium hydroxide	
CERCLA/SARA Hazardous Substances and their Reportable Quantities:	1000 lb final RQ 454 kg final RQ
EU EINECS List	215-185-5
Inventory - United States TSCA - Sect. 8(b)	Listed
Edetate disodium	
EU EINECS List	205-358-3
Inventory - United States TSCA - Sect. 8(b)	Listed
Glycerin, USP	
EU EINECS List	200-289-5
Inventory - United States TSCA - Sect. 8(b)	Listed
Purified water	
EU EINECS List	231-791-2
Inventory - United States TSCA - Sect. 8(b)	Listed
Titanium dioxide	
EU EINECS List	236-675-5
Inventory - United States TSCA - Sect. 8(b)	Listed

16. OTHER INFORMATION

Reasons for Revision: Updated Section 2 - Composition / Information on Ingredients. Updated Section 7 - Handling and Storage. Updated Section 11 - Toxicology Information. Updated Section 12 - Ecological Information.

Prepared by: Corporate Occupational Toxicology & Hazard Assessment

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End of Safety Data Sheet