



MATERIAL SAFETY DATA SHEET

Revision date: 04-Aug-2006

Version: 1.2

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

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Emergency telephone number:
CHEMTREC (24 hours): 1-800-262-8200

Emergency telephone number:
ChemSafe (24 hours): +44 (0)208 762 8322

Material Name: Corn Huskers® Lotion

Trade Name: Corn Huskers
Chemical Family: Not determined
Intended Use: skin lotion.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous

Ingredient	CAS Number	EU EINECS List	%
Ethyl alcohol, SDA 40	MIXTURE	Not listed	*
Triethanolamine	102-71-6	203-049-8	*
Calcium sulfate	7778-18-9	231-900-3	*
Calcium chloride (anhydrous)	10043-52-4	233-140-8	*
Fumaric acid	110-17-8	203-743-0	*
Boric acid	10043-35-3	233-139-2	*
Fragrance	NOT ASSIGNED	Not listed	*
Glycerin, USP	56-81-5	200-289-5	*

Ingredient	CAS Number	EU EINECS List	%
Sodium calcium alginate	MIXTURE	Not listed	*
Oleyl sarcosine	NOT ASSIGNED	Not listed	*
Guar gum	9000-30-0	232-536-8	*
Water	7732-18-5	231-791-2	*
Methylparaben	99-76-3	202-785-7	*

Additional Information:

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

3. HAZARDS IDENTIFICATION

Appearance: Translucent colorless lotion with a characteristic scent.
Signal Word: CAUTION

Statement of Hazard: May cause eye and skin irritation
Eye Contact: May cause irritation based on components.
Skin Contact: May cause irritation based on components.

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Inhalation:	Not an expected route of exposure. Exposure to high concentrations of mist may cause irritation based on components. An Occupational Exposure Limit has been established for one or more of the ingredients (see Section 8).
Ingestion:	Not an expected route of exposure. However, based on components, ingestion of large quantities may result in nausea, vomiting, diarrhea, and gastrointestinal irritation.
Potential Health Effects:	Chronic ingestion of ethanol has been associated with an increased incidence of cancer, liver cirrhosis, and, if ingested during pregnancy, congenital malformations. However, occupational handling of this product is not expected to result in relevant exposures.
EU Indication of danger:	Not classified
Additional Information: Note:	For a more detailed discussion of potential health hazards and toxicity see Section 11. 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:	If irritation occurs, wash exposed area with soap and water, remove contaminated clothing and obtain medical assistance.
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:	As for primary cause of fire.
Hazardous Combustion Products:	Not known
Fire Fighting Procedures:	Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear. Use water spray to keep fire-exposed containers cool.
Fire / Explosion Hazards:	Not determined
Additional Information:	This material is not expected to support combustion.

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.
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:	Dike, pump, or use non-combustible material to absorb spill; then place in a suitable, labeled recovery container. Close container and move it to a secure holding area.

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

7. HANDLING AND STORAGE

General Handling: No special handling requirements for normal use of this material.

Storage Conditions: Store in cool place out of sun and away from heat.

Storage Temperature: Store as directed by product packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Triethanolamine

ACGIH Threshold Limit Value (TWA) = 5 mg/m³ TWA
Australia TWA = 5 mg/m³ TWA

Calcium sulfate

OSHA - Final PELs - TWAs: = 15 mg/m³ TWA total
= 5 mg/m³ TWA
ACGIH Threshold Limit Value (TWA) = 10 mg/m³ TWA
Australia TWA = 10 mg/m³ TWA

Boric acid

ACGIH Threshold Limit Value (TWA) = 2 mg/m³ TWA
ACGIH Threshold Limit Value (STEL) = 6 mg/m³ STEL

Glycerin, USP

OSHA - Final PELs - TWAs: = 15 mg/m³ TWA total
= 5 mg/m³ TWA
ACGIH Threshold Limit Value (TWA) = 10 mg/m³ TWA
Australia TWA = 10 mg/m³ TWA

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

Engineering Controls: Keep airborne contamination levels below the exposure limits listed above in this section.

Personal Protective Equipment:

Hands: Wear protective gloves when working with large quantities.
Eyes: Safety glasses or goggles
Skin: Wear protective clothing when working with large quantities.
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:	Colorless
Odor:	Characteristic odor	Molecular Formula:	Mixture
Molecular Weight:	Mixture		
pH:	6.2-6.7		

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10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: None known
Incompatible Materials: None known

Hazardous Decomposition Products: None known
Polymerization: Will not occur

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)

Methylparaben

Mouse Oral LD50 > 8000 mg/kg
Rat Oral LD50 2280 mg/kg

Triethanolamine

Rat Oral LD50 8 g/kg
Rabbit Dermal LD50 20 g/kg

Boric acid

Rat Oral LD50 2500 mg/kg

Calcium chloride (anhydrous)

Rat Oral LD50 1000 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
Rat Dermal LD 50 >21.9 g/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)

Fumaric acid

Eye Irritation Rabbit Moderate
Skin Irritation Rabbit Mild

Boric acid

Skin Irritation Human Mild

Glycerin, USP

Eye Irritation Rabbit Mild

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

Boric acid

Prenatal & Postnatal Development	Rat	Oral 74 mg/kg/day	NOAEL	Developmental toxicity
Prenatal & Postnatal Development	Rat	Oral 55 mg/kg/day	NOAEL	Fetotoxicity

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Reproductive & Fertility-Males Mouse Oral 4500 ppm LOAEL Fertility

Carcinogen Status: None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

Triethanolamine
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.

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

Triethanolamine
Goldfish LC50/24h 5000 mg/L

Glycerin, USP
Oncorhynchus mykiss (Rainbow Trout) LC-50 96 Hours 50 mg/L
Daphnia Magna (Water Flea) EC-50 24 Hours >500 mg/L

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of waste in accordance with all applicable laws and regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

EU Symbol: None required
EU Indication of danger: Not classified

OSHA Label:
CAUTION
May cause eye and skin irritation

Canada - WHMIS: Classifications

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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.

Guar gum

Inventory - United States TSCA - Sect. 8(b)	XU
Australia (AICS):	Present
EU EINECS List	232-536-8

Triethanolamine

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	203-049-8

Calcium sulfate

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	231-900-3

Calcium chloride (anhydrous)

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	233-140-8

Fumaric acid

CERCLA/SARA Hazardous Substances and their Reportable Quantities:	= 2270 kg final RQ = 5000 lb final RQ
Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	203-743-0

Water

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	231-791-2

Boric acid

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	233-139-2

Methylparaben

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	202-785-7

Glycerin, USP

Inventory - United States TSCA - Sect. 8(b)	Present
Australia (AICS):	Present
EU EINECS List	200-289-5

16. OTHER INFORMATION

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Reasons for Revision: Updated Section 2 - Composition / Information on Ingredients.

Prepared by: Toxicology and Hazard Communication
Pfizer Global Environment, Health, and Safety

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End of Safety Data Sheet