tyco Healthcare	KENDALL	**MATERIAL SAFETY DATA SHEET** **Vaseline Constant Care Conditioning Cream**

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	Vaseline Constant Care Conditioning Cream
Use/Size	Cleansing lotion / 3 oz. (8884-737100) and 8 oz. (8884-737200)
Product Numbers	8884-737300, 8884-737400
Manufacturer/Supplier	Tyco Healthcare/ Kendall
Address	15 Hampshire Street Mansfield, MA 02048
Phone Number	(508) 261-8000 (Monday – Friday 8:00 am to 5:00 pm)
Chemtrec Number	(800) 424-9300
Revision Date:	January 30, 2004
MSDS Date:	September 22, 1998

This MSDS has been compiled in accordance with - EC Directive 91/155/EC - OSHA's Hazcom Standard (29 CFR 1910.1200)

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Component Name	CAS#/Codes	Concentration	R Phrases	Classification
Water	7732-18-5 231-791-2	> 75.00%	R-None	None
Triethanolamine	102-71-6 203-049-8	1.00 -5.00%	R-None	None
Cetyl Alcohol	36653-82-4 253-14-0	1.00 -5.00%	R-None	None
Stearic Acid	57-11-4 200-313-4	1.00 -5.00%	R-None	None
Sorbital Solution	50-70-4 200-061-5	1.00 -5.00%	R-None	None
Polyethylene glycol monostearate	9004-99-3 No EC #	1.00 -5.00%	R-None	None
Dimethicone Silicone Fluid	63148-62-9 215-648-1	1.00 -5.00%	R-None	None

3. HAZARD IDENTIFICATION

EU Main Hazards
Not classified as hazardous.

Routes of Entry
- Eye contact - Ingestion - Skin contact

Carcinogenic Status
Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs
- Eye - Skin - Kidney - Liver - Respiratory System

Health Effects - Eyes
Contact may cause conjunctival irritation and transient corneal damage.

Health Effects - Skin
This product is non-irritating to the skin and skin absorption is not associated with any health effects.

3. HAZARD IDENTIFICATION

Health Effects - Ingestion
A large dose may have the following effects: nausea - vomiting - diarrhea - gastrointestinal irritation - liver damage - kidney damage

Health Effects - Inhalation
No adverse effects are expected during normal conditions of use.

4. FIRST AID MEASURES

Eyes
Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Obtain medical attention if soreness or redness persists.

Skin
Wash skin thoroughly with soap and water. Obtain medical attention if blistering occurs or redness persists.

Ingestion
Do not induce vomiting. Have victim drink 1-3 glasses of water to dilute stomach contents. Never administer anything by mouth if a victim is losing consciousness, is unconscious or is convulsing. Obtain medical attention immediately.

Inhalation
If there is difficulty in breathing, give oxygen. Seek medical attention if symptoms persist.

Advice to Physicians
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media
Not Flammable. Select extinguishing agent appropriate to other materials involved.

Unusual Fire and Explosion Hazards
None known.

Protective Equipment for Fire-Fighting
Wear full protective clothing and self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

This product may be collected by carefully scooping into a pan, paper towel or other absorbent material. Transfer into suitable containers for recovery or disposal. No specific measures necessary.

7. HANDLING AND STORAGE

Keep container tightly closed when not in use. Storage area should be: - cool - dry - well ventilated - away from incompatible materials

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Standards
Exposure limits are listed below, if they exist.
Triethanolamine
ACGIH: TLV 5mg/m3 8h TWA.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Cetyl Alcohol
None assigned.

Stearic Acid
(as Stearates) ACGIH: TLV 10mg/m3 8h TWA.
A4 - not classifiable as a human carcinogen.

Sorbital Solution
None assigned.

Polyethylene glycol monostearate
(as Stearates) ACGIH: TLV 10mg/m3 8h TWA.
A4 - not classifiable as a human carcinogen.

Dimethicone Silicone Fluid
None assigned.

Engineering Control Measures
No specific measures necessary. Good general room ventilation is expected to be adequate to control airborne levels.

Respiratory Protection
Respiratory protection not normally required.

Hand Protection
Skin protection not normally required.

Eye Protection
Eye protection not normally required. However, care should be taken to avoid accidental exposure.

Body Protection
Normal work wear.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Cream
Color	White
Odor	Floral
pH	No data.
Specific Gravity	0.994-1.004
Boiling Range/Point (°C/F)	No data.
Melting Point (°C/F)	No data.
Flash Point (PMCC) (°C/F)	No data.
Explosion Limits (%)	No data.
Vapor Pressure	No data.
Density	No data.
Solubility in Water	No data.
Vapor Density (Air = 1)	No data.
Viscosity (cSt)	50-70 cps at 25 °C.

10. STABILITY AND REACTIVITY

Stability
Stable under normal conditions.

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Conditions to Avoid
- Heat - High temperatures

Materials to Avoid
- Strong oxidizing agents - Strong bases - Strong acids - Reducing agents

Hazardous Polymerization
Will not occur.

Hazardous Decomposition Products
- acrid smoke and irritating fumes - oxides of carbon - oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

Acute Toxicity
All components have a low order of acute toxicity. All components have oral LD50s (rat) greater than 5000mg/kg. In dermal toxicity studies, this product was not found to be a primary skin irritant when applied to rabbit skin for 24 or 48 hours.
Triethanolamine: A 20 mg dose applied to the rabbit eye caused severe irritation. Oral LD50 (rat) 8,680 mg/kg
Cetyl Alcohol: Oral LD50 (rat) 6.4-12.8 g/kg.

Chronic Toxicity/Carcinogenicity
Triethanolamine: Oral exposure in rats (16 gm/kg for 64 weeks) and mice (154 gm/kg for 61 weeks) caused blood lymphomas, including Hodgkin's disease and tumors of the skin and appendages.
Stearic Acid: When implanted in mice at a concentration of 400 mg/kg, this compound caused an increased incidence of bladder tumors.

Genotoxicity
Sorbitol Solution: Cytogenetic Analysis (hamster, ovary).
Triethanolamine: Cytogenetic analysis and sister chromatid exchange (human, lymphocyte).

Reproductive/Developmental Toxicity
Dimethylicone Silicone Fluid: When administered subcutaneously to rats (8 gm/kg) during pregnancy caused developmental abnormalities of the musculoskeletal system and an increased incidence of stillbirths. When given by this route to rabbits during pregnancy (260 mg/kg) caused fetal deaths and abnormalities of the body wall.

12. ECOLOGICAL INFORMATION

Mobility
Sorbital Solution: If released to soil, sorbitol is expected to have very high mobility based upon an estimated Koc of 2.

Persistence/Degradability
Triethanolamine: If released to soil, will biodegrade rapidly. Bioconcentration, adsorption to sediment and volatilization are not expected to be significant fate processes (BCF < 1; log Kow = -1.59).

Sorbital Solution: Sorbitol is a simple sugar alcohol and should be readily biodegraded in the environment.

Bio-accumulation
Sorbital Solution: An estimated BCF of 1 suggests bioconcentration in aquatic organisms is low.

Ecotoxicity
Triethanolamine:
Tests on the following species gave a 24h LD50 of 3500 - 75000mg/litre: - goldfish
Tests on the following species gave a 96h LD50 of 11.8mg/litre: - fathead minnows

13. DISPOSAL

Dispose of in accordance with all applicable local and national regulations.

14. TRANSPORT INFORMATION

DOT CFR 172.101 Data	Not Regulated
UN Proper Shipping Name	Not Regulated
UN Class	None.
UN Number	None.
UN Packaging Group	None.
Classification for AIR Transportation (IATA)	Consult current IATA Regulations prior to shipping by air.

15. REGULATORY INFORMATION

EU Label Information

Classification and labelling have been performed according to EU directives 67/548/EEC and 99/45/EC including amendments.

EU Hazard Symbol and Indication of Danger

According to EC Commission Directive 67/548/EEC this product is not classified.

R phrases

None.

S phrases

None.

US REGULATIONS (Federal, State) and INTERNATIONAL CHEMICAL REGISTRATION LAWS

TSCA Listing

All ingredients have been verified for inclusion on the EPA Toxic Substance Control Act Chemical Substance Inventory.

EINECS Listing

All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substances (EINECS) or are exempt from listing.

DSL (Canadian) Listing

All ingredients in this product are listed on the Domestic Substance List (DSL).

MA Right To Know Law

All components have been checked for inclusion on the Massachusetts Substance List (MSL). Those components present at or above the de minimus concentration include: - Triethanolamine

PA Right To Know Law

This product contains the following chemicals found on the Pennsylvania Hazardous Substance List: - Triethanolamine

NJ Right To Know Law

This product does not contain any chemicals on the New Jersey Workplace Hazardous Substance List.

California Proposition 65

This product does not contain materials which the State of California has found to cause cancer, birth defects or other reproductive harm.

SARA Title III Sect. 302 (EHS)

This product does not contain any chemicals subject to SARA Title III Section 302.

13. DISPOSAL

SARA Title III Sect. 304
This product does not contain any chemicals subject to SARA Title III Section 304.

SARA Title III Sect. 311/312 Categorization
This product does not meet any of the SARA Title III Section 311/312 categorizations.

SARA Title III Sect. 313
This product does not contain a chemical that is listed in Section 313 at or above de minimis concentrations.

16. OTHER INFORMATION

NFPA Ratings
NFPA Code for Flammability - 0
NFPA Code for Health - 0
NFPA Code for Reactivity - 0
NFPA Code for Special Hazards - 0

HMIS Ratings
HMIS Code for Flammability - 0
HMIS Code for Health - 0
HMIS Code for Reactivity - 0
HMIS Code for Personal Protection - See Section 8

Abbreviations
N/A: Denotes no applicable information found or available
CAS#: Chemical Abstracts Service Number
ACGIH: American Conference of Governmental Industrial Hygienists
OSHA: Occupational Safety and Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
STEL: Short Term Exposure Limit
NTP: National Toxicology Program
IARC: International Agency for Research on Cancer
EU: European Union
R: Risk
S: Safety
LC50: Lethal Concentration 50%
LD50: Lethal Dose 50%
BOD: Biological Oxygen Demand
KoC: Soil Organic Carbon Partition Coefficient

Prepared By: EnviroNet LLC.

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