

MATERIAL SAFETY DATA SHEET
DERMA SHIELD SKIN PROTECTANT

Latest Revision Date...01/01/2010

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SECTION 1

PRODUCT IDENTIFICATION

PRODUCT NAME OR NUMBER.....DERMA SHIELD SKIN PROTECTANT

HMS HAZARD RATING.....

Health	0	0 = Least
		1 = Slight
Fire	0	2 = Moderate
		3 = High
Reactivity	0	4 = Extreme

MANUFACTURER=S NAME..... BENCHMARK COMMERCIAL, INC.

COMPANY ADDRESS..... 466 LAWNSDALE DR., #D
SALT LAKE CITY, UTAH 84115

COMPANY PHONE NUMBER..... (801) 463-3901

EMERGENCY PHONE NUMBER..... (801) 463-3901

TRADE NAME..... DERMA SHIELD

SECTION 2

PHYSICAL DATA

APPEARANCE..... WHITE MOUSSE
ODOR..... MILD PLEASANT ODOR
SPECIFIC GRAVITY @ 25°C..... 0.94
SOLUBILITY IN WATER..... OIL-IN-WATER EMULSION
VAPOR PRESSURE mm Hg @ 20° C..... NOT DETERMINED
BOILING/MELTING POINT @ 760 mm Hg..... 212°F (100° C)
VAPOR DENSITY (AIR = 1)..... NOT DETERMINED
EVAPORATION RATE (BuAc = 1)..... NOT DETERMINED
PERCENT VOLATILE BY WEIGHT (%)......10.0 (CONTENT OF AEROSOL PROPELLANT)
PH.....7.4

SECTION 3

FIRE, EXPLOSION AND REACTIVITY HAZARD DATA

FLASH POINT °F..... NON-FLAMMABLE (FLASH PROJECTION TEST)
FLAMMABILITY LIMITS IN AIR (% V)..... N/A
EXTINGUISHING MEDIA..... N/A
SPECIAL FIRE FIGHTING PROCEDURES..... N/A
UNUSUAL FIRE & EXPLOSION HAZARDS..... NONE KNOWN
PRODUCT ADAPTABILITY..... STABLE
CHEMICAL INCOMPATIBILITY..... STRONG OXIDIZING AGENTS
HAZARDOUS DECOMPOSITION PRODUCTS... CARBON DIOXIDE OR CARBON MONOXIDE.
HAZARDOUS POLYMERIZATION..... WILL NOT OCCUR

SECTION 4

HEALTH HAZARD INFORMATION

The exact percentages for components of this product constitute a trade secret. Although the below listed chemicals can be considered to be hazardous in their pure concentrated state, in the low concentrations found in the product, they

do not pose a serious threat to users. Testing has shown that the product is not a primary dermal or ocular irritant, and is not orally toxic.

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SECTION 4

HEALTH HAZARD INFORMATION

Note that possible effects in test animals are reported for continual overexposure to components of this product mixture. Many of the substances having various effects are natural components of common foods and are not known to be harmful in normal use.

SECTION 5

HAZARDOUS INGREDIENTS *** EXPOSURE LIMITS

CHEMICAL NAME(S)	CAS NUMBER	ACGIH/TLV	OSHA/PEL
AEROSOL PROPELLANT	75-28-5, 74-98-6		
	106-97-8	800-1000 ppm	800-1000 ppm
DIMETHICONE	63148-62-9	NONE	NONE
STEARIC ACID	57-11-4	NONE	NONE
COCONUT FATTY ACID	61788-47-4	NONE	NONE
ISOPROPYL MYRISTATE	110-27-0	NONE	NONE
GLYCERIN	56-81-5	NONE	NONE
TRIETHANOLAMINE	102-71-6	NONE	NONE
POLYVINYLPIRROLIDONE	9003-39-8	NONE	NONE

SECTION 6

HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION - Not Likely SKIN - None INGESTION - Not Likely

HEALTH HAZARDS (ACUTE AND CHRONIC): None Currently Known. When properly applied and allowed to dry, the transfer of DERMA SHIELD to anything within its environmental presence is negligible.

CARCINOGENICITY: NPT? - None IARC MONOGRAPH ? - None OCHHA REGULATED?- No

SIGNS AND SYMPTOMS OF EXPOSURE: None

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

EMERGENCY AND FIRST AID PROCEDURES: Normally non-irritating. Flush eyes with water for several minutes if contact occurs. Cannot be inhaled unless deliberately attempted. Small amounts could be ingested without undue discomfort. Discontinue use if irritation or discomfort occurs. Seek medical attention if condition persists.

SECTION 7

EFFECTS OF OVEREXPOSURE *** FIRST AID PROCEDURES

Primary Routes of Exposure: Eye or Skin Contact

Signs and Symptoms of Overexposure: EYES: The compound did not induce irritation or cause sensitization.
 SKIN: The compound was found to be non-irritant to intact and abraded skin.
 SWALLOWING: Considered non-toxic, however, consult with a physician if nausea becomes apparent.

Emergency First-Aid

Procedures: SKIN: None necessary.
EYES: Not considered an ocular irritant. If discomfort occurs rinse with water several minutes. Get medical attention if necessary.
INGESTION: Considered non-toxic. Contact physician if nausea occurs.

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SECTION 8 PRECAUTIONS FOR SAFE HANDLING AND USE

RESPIRATORY PROTECTION..... None required.
VENTILATION..... No special ventilation required.
PROTECTIVE CLOTHING..... None required.
EYE PROTECTION..... None required.
HANDLING INSTRUCTIONS..... Avoid crushing or piercing. Avoid storing where extreme temperatures, [130°F (54°C) and above, 32°F (0°C) and below] would exist. Keep out of reach of small children.

SECTION 9 SPILL OR LEAK PROCEDURES *** WASTE DISPOSAL METHOD

In case of spill or leak..... Flush with water, collect with absorbent material, place in waste container for transfer to landfill according to local, state and federal regulations.
Waste Disposal Method..... Do not incinerate

SECTION 10 REGULATORY INFORMATION

FEDERAL EPA

Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA) requires notification of the National Response Center of release of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQ=s) in 40 CFR 302.4.

Components present in this product at a level which could require reporting under the statute are:

*****NONE*****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQ=s) and release reporting based on Reportable Quantities (RQ=s) in 40 CFR 355 (used for SARA 302, 304, 311 and 312).

Components present in this product at a level which could require reporting under the statute are:

*****NONE*****

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all MSDS=s that are copied and distributed for this material.

Components present in this product at a level which could require reporting under the statute are:

*****NONE*****

Toxic Substances Control Act (TSCA) STATUS:

The ingredients of this product are on the TSCA inventory.

STATE RIGHT-TO-KNOW

CALIFORNIA Proposition 65

This product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute.

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SECTION 10

REGULATORY INFORMATION

MASSACHUSETTS Right-To-Know, Substance List (MSL) Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

*****NONE*****

PENNSYLVANIA Right-To-Know, Hazardous Substance List Hazardous Substances and Special Hazardous Substances on the List must be identified when present in products.

Components present in this product at a level which could require reporting under the statute are:

HAZARDOUS SUBSTANCES (1%)

*****NONE*****

CALIFORNIA SCAQMD RULE 443.1 VOC=S:

Volatiles = substances with a vapor pressure of 0.5 mmHg at 104 C (219.2F).

This product contains:

93.84 g/liter VOC=s

SECTION 11

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME (49 CFR 172.101-102) -	Consumer Commodity
HAZARDOUS SUBSTANCE (49 CFR CERCLA List) -	Yes
REPORTABLE QUANTITY (RQ) -	N/A
D.O.T. HAZARD CLASSIFICATION (49 CFR 172.101-102)	
PRIMARY -	ORM-D
SECONDARY - (IATA FORMAT)	Class 9
D.O.T. LABELS REQUIRED (49 CFR 172.101-102) -	ORM-D (Ground Shipments)
(IATA FORMAT)	ORM-D-AIR (Air Shipments)
D.O.T. PLACARDS REQUIRED (49 CFR 172.504) -	Consumer Commodity, Class 9, UN1950, ID8000
(IATA FORMAT)	AIR (HAZ-MAT SHIPPER DECLARATION)
POISON CONSTITUENT (49 CFR 172.203 (K)) -	Class 9, Misc.
BILL OF LADING DESCRIPTION -	None
	Consumer Commodity, Cosmetics, HAZ

SECTION 12

DISCLAIMER

The information in this Material Safety Data Sheet is believed to be reliable, but is provided without warranty regarding its accuracy. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

KEY

- NA -- Not Applicable
- NTP -- National Toxicology Program
- OSHA -- Occupational Safety and Health Administration
- IARC -- International Agency for Research on Cancer
- ACGIH -- American Conference of Industrial Hygienists
- VOC -- Volatile Organic Carbons