



# Material Safety Data Sheet

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Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Vapon Skin Pro  
**Product Code(s)** skinpro  
**UN-Number** UN1170  
**Recommended Use** Scalp Preparation

**Supplier Address**  
Vapon  
299B Fairfield Avenue  
Fairfield, NJ 07004  
TEL: 973-575-1900

**Manufacturer Address**  
DMI, Inc.  
86 N. Main St.  
Wharton, NJ 07885

## 2. HAZARDS IDENTIFICATION

### WARNING!

#### Emergency Overview

Flammable liquid and vapor  
May cause skin, eye, and respiratory tract irritation  
May produce an allergic reaction  
May cause central nervous system depression  
May adversely affect liver and kidney.

**Appearance** No information available

**Physical State** Liquid.

**Odor** Characteristic, Light

### Potential Health Effects

**Principle Routes of Exposure** Inhalation. Skin contact.

### Acute Toxicity

**Eyes**

May cause irritation.

**Skin**

May cause irritation.

**Inhalation**

May cause irritation. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

**Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause additional effects as listed under "Inhalation".

### Chronic Effects

Repeated contact may cause allergic reactions in very susceptible persons. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. May cause adverse liver and kidney effects.

### Aggravated Medical Conditions

Respiratory disorders. Central nervous system. Kidney disorders. Liver disorders.

### Interactions with Other Chemicals

Use of alcoholic beverages may enhance toxic effects.

### Environmental Hazard

See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethanol	64-17-5	30-60
Chlorphenesin	104-29-0	0.1-1

### 4. FIRST AID MEASURES

<b>General Advice</b>	Call 911 or emergency medical service. Remove and isolate contaminated clothing and shoes.
<b>Eye Contact</b>	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes.
<b>Skin Contact</b>	Wash skin with soap and water.
<b>Inhalation</b>	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Ingestion</b>	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. Consult a physician.
<b>Notes to Physician</b>	Keep victim warm and quiet.
<b>Protection of First-aiders</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Many liquids are lighter than water.
<b>Flash Point</b>	80.6°F / 27°C
<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , water spray or alcohol-resistant foam. Water spray, fog or alcohol-resistant foam Use water spray or fog; do not use straight streams.
<b>Unsuitable Extinguishing Media</b>	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
<b>Hazardous Combustion Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ).
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	None
<b>Sensitivity to Static Discharge</b>	Yes.
<b>Specific Hazards Arising from the Chemical</b>	Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Those substances designated with a "P" may polymerize explosively when heated or involved in a fire. Runoff to sewer may create fire or explosion hazard.
<b>Protective Equipment and Precautions for Firefighters</b>	Move containers from fire area if you can do it without risk.

<b>NFPA</b>	<b>Health Hazard 2</b>	<b>Flammability 3</b>	<b>Instability 0</b>	<b>Physical and Chemical Hazards -</b>
<b>HMIS</b>	<b>Health Hazard 2*</b>	<b>Flammability 3</b>	<b>Physical Hazard 0</b>	<b>Personal Protection X</b>

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.
<b>Environmental Precautions</b>	Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for Containment</b>	A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
<b>Methods for Cleaning Up</b>	Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal.
<b>Other Information</b>	Water spray may reduce vapor; but may not prevent ignition in closed spaces.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Keep away from heat, sparks and open flame. No smoking. Use only in ventilated areas. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.
<b>Storage</b>	Keep containers tightly closed in a cool, well-ventilated place. Keep out of the reach of children.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m <sup>3</sup>

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
<b>Personal Protective Equipment</b>	
<b>Eye/Face Protection</b>	Safety glasses with side-shields.
<b>Skin and Body Protection</b>	Wear protective gloves/clothing.
<b>Respiratory Protection</b>	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
<b>Hygiene Measures</b>	When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	No information available	<b>Odor</b>	Characteristic, Light.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid
<b>pH</b>	7.0 - 7.5		
<b>Flash Point</b>	80.6°F / 27°C	<b>Autoignition Temperature</b>	No information available.
<b>Decomposition Temperature</b>	No information available.	<b>Boiling Point/Boiling Range</b>	83°C / 181.4°F
<b>Melting Point/Range</b>	No information available		
<b>Flammability Limits in Air</b>	No information available.		
<b>Specific Gravity</b>	0.93 @ 25°C	<b>Water Solubility</b>	Soluble in water.
<b>Solubility</b>	No information available.	<b>Evaporation Rate</b>	No information available
<b>Vapor Pressure</b>	No data available.	<b>Vapor Density</b>	No data available.
<b>VOC Content (%)</b>	38.5	<b>Viscosity</b>	10,000-20,000 cps

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Products</b>	None known based on information supplied.
<b>Conditions to Avoid</b>	Heat, flames and sparks.
<b>Hazardous Decomposition Products</b>	Carbon monoxide (CO). Carbon dioxide (CO <sub>2</sub> ).
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethanol	= 7060 mg/kg ( Rat )	-	= 124.7 mg/L ( Rat ) 4 h
Bitrex	= 584 mg/kg ( Rat )		

### Chronic Toxicity

#### Chronic Toxicity

Repeated contact may cause allergic reactions in very susceptible persons. Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage. May cause adverse liver and kidney effects.

#### Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Ethanol	A3	Group 1	Known	X

#### **ACGIH: (American Conference of Governmental Industrial Hygienists)**

A3 - Animal Carcinogen

#### **IARC: (International Agency for Research on Cancer)**

Group 1 - Carcinogenic to Humans

#### **NTP: (National Toxicity Program)**

Known - Known Carcinogen

#### **OSHA: (Occupational Safety & Health Administration)**

X - Present

#### Target Organ Effects

Blood. Central nervous system (CNS). Eyes. Liver. Reproductive system. Respiratory system. Skin.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Ethanol		LC50 96 h: 12.0 - 16.0 mL/L static (Oncorhynchus mykiss) LC50 96 h: 13400 - 15100 mg/L flow-through (Pimephales promelas) LC50 96 h: > 100 mg/L static (Pimephales promelas)	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50 48 h: 9268 - 14221 mg/L (Daphnia magna) EC50 24 h: = 10800 mg/L (Daphnia magna) EC50 48 h: = 2 mg/L Static (Daphnia magna)

Chemical Name	Log Pow
Ethanol	-0.32

**13. DISPOSAL CONSIDERATIONS**

**Waste Disposal Methods** This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers.

**US EPA Waste Number** D001

This product contains one or more substances that are listed with the State of California as a hazardous waste.

<b>Chemical Name</b>	<b>California Hazardous Waste</b>
Ethanol	Toxic Ignitable

<b>14. TRANSPORT INFORMATION</b>
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**DOT**

<b>UN-Number</b>	UN1170
<b>Proper Shipping name</b>	Ethanol (Mixture)
<b>Hazard Class</b>	3
<b>Subsidiary Class</b>	
<b>Packing Group</b>	III
<b>Description</b>	UN1170, Ethanol , 3 , , III, Mixture
<b>Emergency Response Guide Number</b>	127

**TDG**

<b>UN-Number</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol (Mixture)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1170, ETHANOL, 3, III, Mixture

**MEX**

<b>UN-Number</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol (Mixture)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Description</b>	UN1170 Ethanol, 3, III, Mixture

**ICAO**

<b>UN-Number</b>	UN1170
<b>Proper shipping name</b>	Ethanol (Mixture)
<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>Description</b>	UN1170, Ethanol, 3, II, Mixture

**IATA**

<b>UN-Number</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol (Mixture)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>ERG Code</b>	3L
<b>Description</b>	UN1170, Ethanol, 3, III, Mixture

**IMDG/IMO**

<b>UN-Number</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol (Mixture)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>EmS No.</b>	F-E, S-D
<b>Description</b>	UN1170, Ethanol, 3, III, Mixture, FP 27C

**RID**

<b>UN-Number</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol (Ethyl alcohol) (Mixture)
<b>Hazard Class</b>	3
<b>Packing Group</b>	III
<b>Classification Code</b>	F1
<b>Description</b>	UN1170 Ethanol (Ethyl alcohol), 3, III, Mixture

**ADR**

**UN-Number** UN1170  
**Proper Shipping Name** Ethanol (Ethyl alcohol) (Mixture)  
**Hazard Class** 3  
**Packing Group** III  
**Classification Code** F1  
**Description** UN1170 Ethanol (Ethyl alcohol), 3, III., Mixture

**ADN**

**UN-No** UN1170  
**Proper Shipping Name** Ethanol (Mixture)  
**Hazard Class** 3  
**Packing Group** III  
**Classification Code** F1  
**Special Provisions** 144, 601  
**Description** UN1170 Ethanol, 3, III, Mixture  
**Hazard Labels** 3  
**Limited Quantity** LQ7  
**Ventilation** VE01

**15. REGULATORY INFORMATION****International Inventories**

**TSCA** Exempt  
**DSL** Exempt

**Legend**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. Federal Regulations**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

**U.S. State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals: Ethyl alcohol is only a considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage.

Chemical Name	CAS-No	California Prop. 65
Ethanol	64-17-5	Developmental

**U.S. State Right-to-Know Regulations**



Chemical Name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
Alcohol	X	X	X	-	
Dipropylene glycol			X		

### International Regulations

**Mexico - Grade** Serious risk, Grade 3

Chemical Name	Carcinogen Status	Exposure Limits
Ethanol		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m <sup>3</sup>

### Canada

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

#### WHMIS Hazard Class

B2 Flammable liquid  
D2A Very toxic materials



## 16. OTHER INFORMATION

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 04-Jan-2012

**Revision Date**

**Revision Note** Initial Release.

#### General Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**