



| H.M.I.S. RATING   |   |
|-------------------|---|
| Health            | 1 |
| Flammability      | 0 |
| Reactivity        | 1 |
| Protective Equip. |   |

# MATERIAL SAFETY DATA SHEET

**Product Name:** Vermont Natural Coatings PolyWhey Floor Finish Semi-Gloss

**Product Class:** Aqueous emulsion coating

**Product Code:** VNCFFC2 (VNC Floor C2.xls)

**Grade:** Standard Contractor/Consumer grade

## SECTION I - MANUFACTURER IDENTIFICATION

**Manufacturer's Name:** Vermont Natural Coatings

**Information Phone:** (802) 472-8700

**Address:** Box 512  
Hardwick, VT 05843

**Emergency Phone:** (802) 472-8700

**Date Revised:** December 5, 2007

**Replaces:** 1/1/07

**Date of Issue:** 5/30/07

## SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENTS                             | OCCUPATIONAL EXPOSURE LIMITS |          |           | VAPOR PRESSURE |              |
|--|------------------------------|----------|-----------|----------------|--------------|
|  | CAS NUMBER                   | OSHA PEL | ACGIH TLV | OTHER          | mm Hg @ TEMP |
| n-METHYL-2-PYRROLIDONE/NMP                       | 872-50-4                     | N/E      | N/E       |                | 0.5 77F      |
| DIPROPYLENE GLYCOL MONOMETHYL ETHER/GLYCOL ETHER | 34590-94-8                   | N/E      | N/E       |                | 0.4 77F      |
| DIMETHYLETHANOL AMINE                            | 106-01-0                     | N/E      | N/E       |                | 0.4 77F      |

Contains one or more toxic chemicals subject to the reporting requirements of S.A.R.A. Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR 372. A CERCLA Hazardous Substance and Hazardous Air Pollutant.

Generally, the above ingredients that do not possess a vapor pressure are pigments and are only hazardous as airborne particles when the coating begins to degrade.

The HMIS (Hazardous Materials Identification System) codes at the upper right area of this page are recognized by OSHA. The PERSONAL PROTECTION code is left blank on Vermont Natural Coatings Company's MSDSs as it depends on application technique and workplace ventilation. Please read all other sections of this MSDS before deciding on the appropriate protective equipment and beginning work.

## SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**Boiling Point:** 212 Deg F

**Melting Point:** Greater than 32 Deg. F

**Vapor Density:** Heavier than air

**Solubility In Water:** Dilutable

**Vapor Pressure:** Less than 1 mm Hg

**Specific Gravity (H2O=1):** 1.0

**Appearance And Odor:** Milky liquid with slight odor.

**Evaporation Rate:** Slower than ether

**Coating V.O.C.:** 1.54 Lb/Gl (154 Gr/Lt)

**Material V.O.C.:** 0.42 Lb/Gl (51 Gr/Lt)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**D.O.T. Flammability Classification:** Not regulated

**Flash Point:** None

**Method Used:** N/A

**Flammable Limits In air By Volume - Lower:** N/A

**Upper:** N/A

**Extinguishing Media:** FOAM CO2 DRY CHEMICAL

WATER FOG

### SPECIAL FIRE FIGHTING PROCEDURES

Polymer film can burn. Avoid breathing fumes of burning dry coating because carbon dioxide/monoxide may be released. Use full protective equipment including self-contained breathing apparatus. Cool closed containers with water.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat or fire. Material may splatter if exposed to extreme heat. Decomposition of burning material may cause toxic gases to form, which may include carbon dioxide and carbon monoxide.

**SECTION V - REACTIVITY DATA****STABILITY**

Stable

**CONDITIONS TO AVOID**

Elevated temperatures. Contact with oxidizing agent.

**INCOMPATIBILITY (MATERIALS TO AVOID)**

Oxidizers, acids and bases.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS**

Burning or decomposing film may give off carbon dioxide and or carbon monoxide.

**HAZARDOUS POLYMERIZATION**

Will Not Occur

**SECTION VI - HEALTH HAZARD DATA****INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Lightheadedness, staggered gait, headache, dizziness and nausea. Irritation to the nose, throat and lungs. Prolonged inhalation may lead to mucous membrane irritation, central nervous system depression, and unconsciousness.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Irritation and watering of the eyes. Prolonged or repeated contact can cause blurred vision and corneal injury.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Irritation of skin, redness and possible swelling. Prolonged or repeated contact can cause dermatitis, defatting. Can be absorbed through skin.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE**

Amounts ingested incidental to consumer and industrial handling are not likely to cause injury. Ingestion of large amounts can cause serious injury, including gastrointestinal irritation, nausea, and vomiting.

**HEALTH HAZARDS (ACUTE AND CHRONIC)**

Breathing difficulty, headache, dizziness, nausea and irritation to the respiratory tract. Causes eye and skin irritation. Irritation of the digestive tract and nervous system depression. Prolonged and repeated overexposure may cause permanent brain and or nervous system damage. Can cause dermatitis. Sanding dust inhalation may cause lung damage. Intentional misuse through inhalation may be harmful or fatal.

**CARCINOGENICITY: NTP? NO****IARC MONOGRAPHS? NO****OSHA REGULATED? NO**

If this product contains ethylene glycol (see section II), oral consumption may produce adverse health effects e.g. kidney damage. This product may contain trace amounts of crystalline silica, which is considered a hazard by inhalation that can cause silicosis.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE**

Ingredients in this product are reported to aggravate preexisting eye, skin, respiratory, kidney and liver disorders.

**SECTION VII - FIRST AID MEASURES****EMERGENCY AND FIRST AID PROCEDURES**

Eye contact: Flush with large quantities of water for at least 15 minutes. Seek immediate medical attention.

Inhalation: Remove to fresh air. Administer oxygen if necessary. Seek immediate medical attention.

Skin contact: Wash thoroughly with soap and water. If irritation persists, get medical attention.

Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water to dilute. Obtain medical attention immediately.

**SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE****PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Keep out of reach of children. Do not take internally. Avoid contact with eyes and prolonged contact with skin. When storing containers, close tightly, keep in upright position, away from fire, open flame and high temperature areas. Transfer only to approved containers with complete and appropriate labeling. Remove contaminated clothing and laundry before reuse. Remove contaminated shoes and thoroughly dry before reuse. Wash skin thoroughly with soap and water after contact.

**OTHER PRECAUTIONS**

Warning! If you scrape, sand or remove an old coating, you may release lead dust. Lead is toxic. Exposure to lead dust can cause serious illness, such as brain damage, especially in children. Pregnant women should also avoid exposure. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log onto [www.epa.gov/lead](http://www.epa.gov/lead).

**SECTION IX - ACCIDENTAL RELEASE MEASURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Avoid contact and breathing of vapors. Ventilate area. Remove ignition sources. Dike and absorb with absorbent material. Prevent material from entering sewers or open bodies of water.

**SECTION X - CONTROL MEASURES****RESPIRATORY PROTECTION**

Use only with adequate ventilation. Provide adequate fresh air entry. If not wear the proper respiratory protection. If ventilation is inadequate use an organic vapor/particulate respirator approved by NIOSH/MSHA for spray/mist vapors. When sanding a dried coating film use a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated.

**VENTILATION**

Local exhaust preferable. If in confined areas, use mechanical ventilation to keep vapor concentration under permissible TLV and LEL.

**PROTECTIVE GLOVES**

Waterproof rubber gloves are required during repeated contact.

**EYE PROTECTION**

Splash resistant and spray mist protection required. Use splash goggles or safety glasses with side shields.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT**

Clothing adequate to protect skin. Remove and wash before reuse. Eye wash, safety shower.

**WORK/HYGIENIC PRACTICES**

Normal industrial hygienic practices should be followed. Wash hands before eating, smoking or using the washroom.

**SECTION XI - DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Triple rinse all containers. Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities. Improper disposal is a violation of federal laws. Dispose of in accordance with Federal, State and Local regulations. If approved for incinerating, incinerate in an approved facility. Do not incinerate closed containers. Do not drop or throw containers. If these wastes cannot be disposed of by use according to label instructions, contact the Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

## ===== SECTION XII - ECOLOGICAL INFORMATION =====

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a Nation Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

## ===== SECTION XIII - TRANSPORTATION DATA =====

**DOT**

**Non-Bulk** Not Regulated (Water based material Non-bulk - PROTECT FROM FREEZING!)

**Bulk** Not Regulated (Water based material Bulk - PROTECT FROM FREEZING!)

**Note** N/A

**IMDG**

Not Regulated

**IATA**

Not Regulated

## ===== SECTION XIV - REGULATORY INFORMATION =====

**WORKPLACE CLASSIFICATIONS**

This product is considered non-hazardous under the OSHA Hazard Communication Standard (29CFR 1910.1200).

**EMERGENCY PLANNING & COMMUNITY RIGHT-TO-KNOW (SARA TITLE 3)**

Sections 311/312 Categorization (40CFR 370). This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

Section 313 Information (40CFR) 372. This product does not contain a chemical that is listed in Section 313 above de minimis concentrations.

## ===== SECTION XV – STATE/LOCAL REGULATORY =====

**PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT) : PENNSYLVANIA HAZARDOUS SUBSTANCES LIST AND/OR PENNSYLVANIA ENVIROMENTAL HAZARDOUS SUBSTANCE LIST:**

To the best of our knowledge this product does not contain chemicals at levels which require reporting under this statute.

**PENNSYLVANIA (WORKER AND COMMUNITY RIGHT-TO-KNOW ACT) : PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES LIST:**

To the best of our knowledge this product does not contain chemicals at levels which require reporting under this statute.

**CALIFORNIA PROPOSITION 65 (SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986)**

To the best of our knowledge this product does not contain chemicals at levels which require reporting under this statute.

## ===== SECTION XVI - DISCLAIMER =====

All information contained in this MSDS is based on current technical data believed to be accurate and reliable. Additions of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since these conditions are outside our control, we furnish this MSDS without any express or implied warranties.