

# Safety Data Sheet

## 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** Peelclear Base Coat

**Synonyms:** None

**Product Description:** Water-Borne Paint

**Molecular Weight:**

**Intended/Recommended Use:** Product

**Address:** 27 North Market St. Suite 2 Mount Joy, PA 17552

**For Product and all Non-Emergency Information call your local Peelclear contact point or contact us at:** peelclear.com

**Email:** info@peelclear.com

**Phone Number:** For emergency only involving spill, leak, fire, exposure or accident call: +1 (717) 220-3111

## 2. HAZARDS IDENTIFICATION

### GHS Classification

Skin Sensitization Hazard Category 1A

Reproductive Toxicant Hazard Category 2

### LABEL ELEMENTS



**Signal Word:** WARNING

### Hazard Statements:

Suspected of damaging fertility or the unborn child

May cause an allergic skin reaction

### Precautionary Statements:

Obtain special instructions before use.

Wear protective gloves, protective clothing, eye protection and face protection.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Contaminated work clothing should not be allowed out of the workplace.

IF exposed or concerned: Get medical advice/attention.

IF ON SKIN: Wash with plenty of soap and water.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see supplemental first aid instructions on this label).

Wash contaminated clothing before reuse.

Store locked up.

Dispose of contents/container in accordance with local and national regulations.

### Hazards Not Otherwise Classified (HNOC), Other Hazards:

Not applicable.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

#### HAZARDOUS INGREDIENTS

Component / CAS No.	%	GHS Classification
Dipropylene Glycol Dimethyl Ether 111109-77-4	<= 3.39	Flam. Liq. 4 (H227)
Benzotriazole mixture of CAS 104810-48-2 and CAS 104810-47-1	<= 0.42	Skin Sens. 1A (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Bis(1,2,2,6,6-Pentamethyl-4-piperidinyloxy) sebacate 41556-26-7	<= 0.17	Repr. 2 (H361) Skin Sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)

The specific chemical identity and/or exact percentage of composition for one or more ingredients has been withheld as a trade secret.

Additional GHS classification or other information may be included in this section but has not been adopted by OSHA. See Section 16 for full text of H phrases.

### 4. FIRST AID MEASURES

#### Inhalation:

Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

#### Skin Contact:

Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

#### Eye Contact:

Rinse immediately with plenty of water for at least 15 minutes. Hold eyelid(s) open during rinsing. Obtain medical advice if there are persistent symptoms.

#### Ingestion:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

#### Most Important Symptoms and Effects, Acute and Delayed

None known.

#### Immediate Medical Attention and Special Treatment

Not applicable.

#### Notes To Physician:

No specific measures have been identified.

## 5 . FIRE FIGHTING MEASURES

### Suitable Extinguishing Media:

Use water spray or fog, carbon dioxide or dry chemical.

### Unsuitable Extinguishing Media:

Full water jet.

### Protective Equipment:

Firefighters, and others exposed, wear self-contained breathing apparatus. Wear full firefighting protective clothing. See SDS Section 8 (Exposure Controls/Personal Protection).

### Special Hazards:

Keep containers cool by spraying with water if exposed to fire.

## 6 . ACCIDENTAL RELEASE MEASURES

### Personal Precautions:

Where exposure level is not known, wear approved, positive pressure, self-contained respirator. Where exposure level is known, wear approved respirator suitable for level of exposure. In addition to the protective clothing/equipment in Section 8 (Exposure Controls/Personal Protection), wear impermeable boots.

### Methods For Cleaning Up:

Cover spills with some inert absorbent material; sweep up and place in a waste disposal container. Flush spill area with water.

### Environmental Precautions:

Avoid release to the environment.

### References to Other Sections:

See Sections 7, 8 and 13 for additional information.

## 7 . HANDLING AND STORAGE

### HANDLING

**Precautions:** Wash hands thoroughly after handling. Avoid release to the environment.

**Special Handling Statements:** Provide good ventilation of working area (local exhaust ventilation if necessary). During processing and handling of the product, comply with the indicative occupational exposure limit values.

### STORAGE

Store in a cool, dry, well ventilated place and keep container tightly closed. Keep away from sources of ignition - refrain from smoking. Take precautionary measures against electrostatic loading - earthing necessary during loading operations. Observe the general rules of industrial fire protection. To prevent corrosion do not use aluminum, iron or copper in feed or storage systems, store in glass, plastic or epoxy-lined vessels. Sensitive to frost.

**Storage Temperature:** Store protected against freezing

**Reason:** Quality.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Engineering Measures:

Where this material is not used in a closed system, good enclosure and local exhaust ventilation should be provided to control exposure.

### Respiratory Protection:

For operations where inhalation exposure can occur use an approved respirator. Recommendations are listed below. Other protective respiratory equipment may be used based on user's own risk assessment. Recommended respirators include those certified by NIOSH.

**Recommended:**

Full Face Mask with organic vapor cartridge, Type A filter (BP >65°C)

**Eye Protection:**

Wear eye/face protection such as chemical splash proof goggles or face shield.

**Skin Protection:**

Avoid skin contact. Wear impermeable gloves and suitable protective clothing.

**Hand Protection:**

Wear protective gloves. Recommendations are listed below. Other protective materials may be used based on user's own risk assessment. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred. Replace gloves immediately when torn or any change in appearance (dimension, color, flexibility etc.) is noticed.

Gloves for repeated or prolonged exposure - non exhaustive list:

Nitrile rubber (NBR), thickness: > 0.38 mm, break through time: up to 480 min.

Gloves for short term exposure/splash protection - non exhaustive list:

Nitrile rubber (NBR), thickness: 0.12 mm, break through time: up to 120 min.

The chemical resistance depends on the type of product and amount of product on the glove. Therefore gloves need to be changed when in contact with chemicals.

Not suitable gloves - non exhaustive list:

Natural rubber (NRL), thickness: 0.12 mm.

Due to many conditions (e.g. temperature, abrasion) the practical usage of a chemical protective glove in practice may be much shorter than the permeation time determined through testing. Use PE gloves as under gloves for difficult situations like for instance: high exposure, unknown composition or unknown properties of the chemicals.

**Additional Advice:**

Food, beverages, and tobacco products should not be carried, stored, or consumed where this material is in use. Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water. It is recommended that a shower be taken after completion of workshift especially if significant contact has occurred. Work clothing should then be laundered prior to reuse. Street clothing should be stored separately from work clothing and protective equipment. Work clothing and shoes should not be taken home.

**Exposure Limit(s):**

No values have been established.

**Biological Exposure Limit(s):**

No values have been established.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

Color:	Off white to light yellow whitish, cloudy
Physical State:	Milky liquid low viscosity
Odor:	Weak
Boiling Point:	Similar to water
Melting Point:	Similar to water
Vapor Pressure:	Not available
Specific Gravity/Density:	~ 1,034 g/cm <sup>3</sup> @ 23 °C DIN EN ISO 2811-2
Relative Vapor Density:	Not available
Percent Volatile (% by wt.):	Not available
pH:	>= 8,5

Saturation In Air (% By Vol.):	Not available
Evaporation Rate:	Not available
Solubility In Water:	Completely miscible with water
Volatile Organic Content:	46.01 (actual) - 139,44 (regulatory) g/L
Flash Point:	> 100 °C 212 °F
Flammable Limits (% By Vol):	No available
Autoignition Temperature:	No available
Decomposition Temperature:	Not available
Partition coefficient:	Not available
n-octanol/water (log value):	
Odor Threshold:	Not available
Viscosity (Kinematic):	Not available
Viscosity (Dynamic):	Not applicable
Flammability:	Not available
Oxidizing Properties:	No
Other Safety Characteristics:	Not applicable

## 10 . STABILITY AND REACTIVITY

**Reactivity:** No information available

**Stability:** Stable.

**Conditions To Avoid:** Protect from freezing.

**Polymerization:** Will not occur

**Conditions To Avoid:** None known

**Materials To Avoid:** None known

**Hazardous Decomposition Products:** Not available

## 11 . TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:** Oral, Skin, Eyes.

**Acute toxicity - oral:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - dermal:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Acute toxicity - inhalation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin corrosion / irritation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Serious eye damage / eye irritation:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Respiratory sensitization:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Skin sensitization:** May cause an allergic skin reaction.

**Carcinogenicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Germ Cell Mutagenicity:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

**Reproductive Toxicity:** Suspected of damaging fertility or the unborn child

**Specific Target Organ Toxicity (STOT) - single exposure:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - repeated exposure:** Not Classified. - Based on available data and/or professional judgment, the classification criteria are not met.

**Aspiration Hazard:** Not Classified - Based on available data and/or professional judgment, the classification criteria are not met.

## PRODUCT TOXICITY INFORMATION

ACUTE TOXICITY DATA		
Oral Skin Inhalation	LD <sub>50</sub> LD <sub>50</sub> LD <sub>50</sub>	> 2000 mg/kg, rat > 2000 mg/kg, rabbit > 5 mg/l (Dust/Mist), rat
LOCAL EFFECTS ON SKIN AND EYE		
Acute Irritation Acute Irritation	Skin Eye	Not irritating Not irritating
ALLERGIC SENSITIZATION		
Sensitization Sensitization	Skin Respiratory	Sensitizing No Data
SUBACUTE/SUBCHRONIC TOXICITY		
	Oral (gavage) Dermal	No Data (Rat) No Data (Rat)

## GENOTOXICITY

### Assays for Gene Mutations:

Ames Salmonella Assay - No data

### OTHER INFORMATION:

The product toxicity information above has been estimated.

## HAZARDOUS INGREDIENT TOXICITY DATA

Polymeric Benzotriazole has acute oral (rat) and dermal (rat) LD50 values > 2000 mg/kg each. The 4-hours inhalation LC50-value was > 5.8 mg/L in a rat study. Polymeric Benzotriazole has sensitizing properties after dermal exposure. No genotoxic effects were identified during in vitro testing and a micronucleus assay with hamsters. A prenatal toxicity study in rats showed increase of mortality in pups and reduced body weight for the offspring. In rabbits no teratogenic effects were observed. Polymeric Benzotriazole is not expected to affect the reproductive parameters. Carcinogenicity has not been investigated yet.

Bis(1,2,2,6,6-pentamethyl-4-piperidinyl)sebacate (CAS# 41556-26-7) has an acute oral (rat) and acute dermal (rat) LD50 of 3230 mg/kg and > 3170 mg/kg respectively. Direct contact with this material may cause mild skin and minimal eye irritation. Material may cause skin sensitization. No mutagenicity was seen in the bacteria reverse mutation test. There was some clastogenic effect in the in vitro chromosomal aberration test, but this was not confirmed in the micronucleus assay. No adverse effects on reproduction nor teratogenicity were noted in a study with a structural analogue. Carcinogenicity was not investigated.



**WARNING:** Cancer - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## 12. ECOLOGICAL INFORMATION

### TOXICITY, PERSISTENCE AND DEGRADABILITY, BIOACCUMULATIVE POTENTIAL, MOBILITY IN SOIL, OTHER ADVERSE EFFECTS

This material is not classified as dangerous for the environment.

The ecological assessment for this material is based on an evaluation of its components.

### RESULTS OF PBT AND vPvB ASSESSMENT

Not determined

## HAZARDOUS INGREDIENT TOXICITY DATA

Component / CAS No.	Toxicity to Fish
dipropylene glycol dimethyl ether (111109-77-4)	LC50 > 891 mg/L - <i>Poecilia reticulata</i> - 96hrs NOEC > 300 mg/L - <i>Oncorhynchus mykiss</i> - 14d
Benzotriazole mixture of CAS 104810-48-2 and CAS 104810-47-1 (-)	LC50 = 2.8 mg/L - <i>Oncorhynchus mykiss</i> - 96hrs LC50 = 3.8 mg/L - <i>Lepomis macrochirus</i> - 96hrs
Bis(1,2,2,6,6-Pentamethyl-4-piperidiny), sebacate (41556-26-7)	LC50 = 0.9 mg/L - <i>Danio rerio</i> - 96hrs

Component / CAS No.	Toxicity to Flea
dipropylene glycol dimethyl ether (111109-77-4)	EC50 > 1000 mg/L - <i>Daphnia magna</i> - 24hrs NOEC = 10 mg/L - <i>Daphnia magna</i> - 21d
Benzotriazole mixture of CAS 104810-48-2 and CAS 104810-47-1 (-)	EC50 = 4 mg/L - <i>Daphnia magna</i> - 48hrs
Bis(1,2,2,6,6-Pentamethyl-4-piperidiny), sebacate (41556-26-7)	EC50 = 20 mg/L - <i>Daphnia magna</i> - 48hrs

Component / CAS No.	Toxicity to Algae
dipropylene glycol dimethyl ether (111109-77-4)	EC50 = 4307 mg/L - <i>Pseudokirchneriella subcapitata</i> - 72hrs
Benzotriazole mixture of CAS 104810-48-2 and CAS 104810-47-1 (-)	EC50 > 100 mg/L - <i>Pseudokirchnerella subcapitata</i> - 72hrs NOEC = 3.2 mg/L - <i>Pseudokirchnerella subcapitata</i> - 72hrs
Bis(1,2,2,6,6-Pentamethyl-4-piperidiny), sebacate (41556-26-7)	EC50 = 1.68 mg/L - <i>Desmodesmus subspicatus</i> - 72hrs EC10 = 0.34 mg/L - <i>Desmodesmus subspicatus</i> - 72hrs

Component / CAS No.	Partition Coefficient
dipropylene glycol dimethyl ether (111109-77-4)	Not available
Benzotriazole mixture of CAS 104810-48-2 and CAS 104810-47-1 (-)	Not available
Bis(1,2,2,6,6-Pentamethyl-4-piperidiny), sebacate (41556-26-7)	0.37

### 13. DISPOSAL CONSIDERATIONS

The information on RCRA waste classification and disposal methodology provided below applies only to the product, as supplied. If the material has been altered or contaminated, or it has exceeded its recommended shelf life, the guidance may be inapplicable. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA "listed hazardous waste" or has any of the four RCRA "hazardous waste characteristics." Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA "listed hazardous waste"; information contained in Section 15 of this SDS is not intended to indicate if the product is a "listed hazardous waste." RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: Ignitability, Corrosivity, Reactivity, and Toxicity. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 3 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed. The Company encourages the recycle, recovery and reuse of materials, where permitted, as an alternate to disposal as a waste. The Company recommends that organic materials classified as RCRA hazardous wastes be disposed of by thermal treatment or incineration at EPA approved facilities. The Company has provided the foregoing for information only; the person generating the waste is responsible for determining the waste classification and disposal method.

### 14. TRANSPORT INFORMATION

This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

**US DOT:** Dangerous Goods? Not applicable/Not regulated

**TRANSPORT CANADA:** Dangerous Goods? Not applicable/Not regulated

**ICAO / IATA:** Dangerous Goods? Not applicable/Not regulated

**IMO:** Dangerous Goods? Not applicable/Not regulated

### 15. REGULATORY INFORMATION

#### INVENTORY INFORMATION

If one or more components of this product are not listed on the chemical inventory of interest to you, please contact Product Sustainability & Regulatory Affairs to discuss the options to get it listed or exempted emails: [info@peelclear.com](mailto:info@peelclear.com).

**United States (USA):** All components of this product are designated as "Active" on the TSCA Inventory or are not required to be listed. The final product contains a component exempt from the requirement of listing on the TSCA Inventory under the provisions of the Polymer Exemption, 40 CFR 723.250.

**Canada:** One or more components of this product are NOT included on the Canadian Domestic Substances List (DSL).

**European Economic Area (including EU):** When purchased and shipped from a Peelclear legal entity based in the EEA (EU or Norway), this product is compliant with the registration of the REACH Regulation (EC) No. 1907/2006 as all its components are either excluded, exempt and/or registered.

**Australia:** One or more components of this product have NOT yet been included in the Australian Inventory of Industrial Chemicals (AIIC) or assessed by AICIS.

**New Zealand:** This product is approved or exempt under the Hazardous Substances and New Organisms (HSNO) Act.

**China:** One or more components of this product are NOT included on the Chinese (IECSC) inventory.

**Japan:** One or more components of this product are NOT included on the Japanese (ENCS and/or ISHL) inventories.

**Korea:** One or more components of this product are NOT included on the Korean (ECL) inventory.

**Philippines:** One or more components of this product are NOT included on the Philippine (PICCS) inventory.

**Taiwan:** One or more components of this product are NOT included in the Taiwan chemical substance inventory (TCSI).

**Toxic Chemical Substances:** Not applicable

## OTHER ENVIRONMENTAL INFORMATION

The following components of this product may be subject to reporting requirements pursuant to Section 313 of CERCLA (40 CFR 372), Section 12(b) of TSCA, or may be subject to release reporting requirements (40 CFR 307, 40 CFR 311, etc.) See Section 13 for information on waste classification and waste disposal of this product.

Component / CAS No.	%	TPQ (lbs)	RQ(lbs)	S313	TSCA 12B
dipropylene glycol dimethyl ether (111109-77-4)	<= 3.386014	None	0	No	Yes

## PRODUCT HAZARD CATEGORY UNDER SECTIONS 311 AND 312 OF EPCRA

**Physical Hazards:** Not applicable.

**Health Hazards:** Reproductive toxicity & Respiratory or Skin Sensitization.

## 16 . OTHER INFORMATION

### NFPA HAZARD RATING (NATIONAL FIRE PROTECTION ASSOCIATION)

- **Health:** 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
- **Fire:** 1 - Materials that must be preheated before ignition can occur.
- **Instability:** 0 - Materials that in themselves are normally stable, even under fire exposure conditions.

**Reasons for Issue:** New Product

**Date Prepared:** 10/13/2025

**Date of last significant revision:** 10/13/2025

### COMPONENT - HAZARD STATEMENTS

#### dipropylene glycol dimethyl ether

- H227 - Combustible liquid.

#### Benzotriazole mixture of CAS 104810-48-2 and CAS 104810-47-1

- H317 - May cause an allergic skin reaction.
- H401 - Toxic to aquatic life.
- H411 - Toxic to aquatic life with long lasting effects.

#### Bis(1,2,2,6,6-Pentamethyl-4-piperidinyl) sebacate

H361 - Suspected of damaging fertility or the unborn child.

H317 - May cause an allergic skin reaction.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

### EMERGENCY PHONE NUMBERS FOR OTHER REGIONS

#### Asia Pacific

**Australia:** 1800 074 234 (toll free) or +61 2 8014 4558 (Carechem 24)

**China (PRC):** +86 532 8388 9090 (NRCC)

**India:** 000 800 100 7479 (toll free) or +65 3158 1198 (Carechem 24)

**Indonesia:** 007 803 011 0293 (Carechem 24)

**Japan:** 0120 015 230 (toll free) (Carechem 24)

**Korea:** +82 2 3479 8401 (Carechem 24)

**Malaysia:** +60 3 6207 4347 (Carechem 24)

**New Zealand:** 0800 446 881 (toll free) or +64 9 929 1483 (Carechem 24)

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**Philippines:** +63 2 231 2149 (Carechem 24)

**Taiwan:** +886 2 8793 3212 (Carechem 24)

**Vietnam:** +84 8 4458 2388 (Carechem 24)

**All Others:** +65 3158 1074 (Carechem 24)

#### **Europe**

**+44 (0) 1235 239 670 (Carechem 24)**

#### **Middle East, Africa**

**+44 (0) 1235 239 671 (Carechem 24)**

#### **Latin America**

**Brazil:** +55-800-707-7022 (toll free) or +55-11-98149-0850 (Suatrans 24)

**Chile:** +56 2 2582 9336 (Carechem 24)

**Mexico and all others:** +52-555-004-8763 (Carechem 24)

#### **Canada**

**+1-800-579-7421 (toll free) or +1-215-207-0061 (Carechem 24)**

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