

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: *P-100 SPF Primer/Night Seal*
CHEMICAL FAMILY NAME: Water-based Acrylic Coating
U.N. NUMBER: Not Regulated
U.N. DANGEROUS GOODS CLASS: Not Regulated
SUPPLIER/MANUFACTURER'S NAME: *Progressive Materials, LLC*
ADDRESS: 540 Central Ct, New Albany, IN 47150 USA
EMERGENCY PHONE: TOLL-FREE in USA/Canada - Chemtrec: 1-800-424-9300
 National Poison Control Center (U.S.): 1-800-222-1222
BUSINESS PHONE: 812-944-7803 (Product Information)
WEBSITE: www.pmsilicone.com
DATE OF CURRENT REVISION: November 4, 2016
DAVE OF LAST REVISION: November 4, 2016

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Product Description: This product is a viscous liquid, black in color, with a mild Amine odor.
Health Hazards: If swallowed, product may cause irritation of respiratory tract.
Flammability Hazards: None known.
Reactivity Hazards: None known.
Environmental Hazards: None known.
Emergency Considerations: Cleanup personnel must use appropriate personal protective equipment. Cover spill with inert material (e.g. dry sand or earth) and collect for proper disposal.

US DOT SYMBOLS

Not regulated

See Section 14 for Details

CANADA (WHMIS) SYMBOLS

Not regulated

EUROPEAN AND (GHS) HAZARD SYMBOLS



Signal Word: Danger

GHS Classification of Substance or Mixture In Accordance with 29 CFR 1200 (Osha Hcs) And The European

Union Directives:

This product does meet the definition of a hazardous substance or preparation as defined by 29 CFR 1910. 1200 AND the European Union Council Directives 67/548/EEC, 1999/45/EC, 1272/2008/EC and subsequent Directives.

Component(s) Contributing to Classification(s):

Titanium dioxide (Rutile); Carbon black; Benzophenone; Crystalline quartz silica; Titanium dioxide (rutile).

GHS Hazard Classifications:

Carcinogenicity Category 1A

Hazard Statements:

H350: May cause cancer

Precautionary Statements:

P201: Obtain special instructions before use
 P202: Do not handle until all safety precautions have been read and understood
 P280: Wear permeation resistant protective gloves and clothing. Wear eye and face protection.

Health Hazards or Risks from Exposure:

Acute: Not expected to cause adverse acute health effects.

Chronic: May cause cancer.

Target Organs:

Acute: None

Chronic: Skin, eye, inhalation

SECTION 3 - COMPOSITION and INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS	CAS #	EINECS #	ICSC #	WT %	HAZARD CLASSIFICATION; RISK PHRASES
Titanium dioxide (Rutile)	13463-67-7	Not Listed in ESIS	Not Listed	0.1-1%	Carcinogenicity Category 2 Inhalation. Specific target organ toxicity – single exposure Category 3 Respiratory system.
Carbon Black	1333-86-4	Not Listed in ESIS	Not Listed	0.1-1%	Carcinogenicity Category 2 Inhalation. Specific target organ toxicity – single exposure Category 3 Respiratory system.
Benzophenone	119-61-9	Not Listed in ESIS	Not Listed	0.1-1%	Carcinogenicity Category 2 Specific target organ toxicity – repeated exposure Category 2 Liver. Kidney
Crystalline Quartz Silica	14808-60-7	Not Listed in ESIS	Not Listed	0.1-1%	Acute toxicity Category 4 Oral. Carcinogenicity Category 1A. Specific target organ toxicity - repeated exposure Category 1 Lungs.
Titanium dioxide (rutile)	1317-80-2	Not Listed in ESIS	Not Listed	0.1-1%	Specific target organ toxicity – single exposure Category 3 Respiratory system. Carcinogenicity Category 3 Inhalation.
Balance of other ingredients are non-hazardous or less than 1% in concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

Target Organs: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

SECTION 4 - FIRST-AID MEASURES

- Eye Contact:** In case of contact, flush eyes with plenty of lukewarm water. Get medical attention if irritation develops.
- Skin Contact:** In case of skin contact, wash affected areas with soap and water. Immediately remove contaminated clothing and shoes. Get medical attention if irritation develops and persists.
- Inhalation:** If inhaled, remove to fresh air. Get medical attention if irritation develops.
- Ingestion:** If ingested, do not induce vomiting unless directed to do so by medical personnel. Get medical attention.

SECTION 5 - FIRE-FIGHTING MEASURES

- Flash Point:** Not applicable (water based product), however, solid material will support combustion if water has been evaporated.
- Autoignition Temperature:** Not Established
- Flammable Limits (in air by volume, %):** Lower (LEL): Not established Upper (UEL): Not Established
- Fire Extinguishing Materials:** Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.
- Unusual Fire and Explosion Hazards:** Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.
- Explosion Sensitivity to Mechanical Impact:** Not Sensitive.
- Explosion Sensitivity to Static Discharge:** Not Sensitive.
- Special Fire-Fighting Procedures:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill and Leak Response: Cleanup personnel must use appropriate personal protective equipment. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal.

SECTION 7 - HANDLING and STORAGE

Work Practices and Hygiene Practices: Avoid breathing dust, vapor, or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Keep container closed when not in use. Protect from freezing.

Storage and Handling Practices: Store locked up.

SECTION 8 - EXPOSURE CONTROLS - PERSONAL PROTECTION

Exposure Limits/Guidelines:

CHEMICAL NAME	CAS #	ACGIH TWA	OSHA TWA	WEEL
Titanium dioxide (Rutile)	13463-67-7	10 mg/m ³	15 mg/m ³	Not Listed
Carbon Black	1333-86-4	3.5 mg/m ³	3.5 mg/m ³	Not Listed
Titanium dioxide (rutile)	1317-80-2	10 mg/m ³	15 mg/m ³	Not Listed
Crystalline Quartz Silica	14808-60-7	0.025 mg/m ³	0.1 mg/m ³	Not Listed

Ventilation and Engineering Controls: When handling this product, ventilation of the work area is recommended.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

Respiratory Protection: In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Eye Protection: Chemical safety goggles or safety glasses with side-shields.

Hand Protection: Permeation resistant gloves Neoprene gloves.

Body Protection: Wear as appropriate, disposable one-piece overall with integral hood, impervious protective clothing.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State:	Liquid
Appearance & Odor	Viscous liquid, black in color, with a mild Amine odor
Odor Threshold (PPM):	Not available
Vapor Pressure (mmHg):	17 mmHg @ 20 °C (68 °F) similar to water
Vapor Density:	Not available
Evaporation Rate (nBuAc = 1):	Not available
Boiling Point (C°):	Approximately 100 °C (212 °F) similar to water
Freezing Point (C°):	Approximately 0 °C (32 °F) similar to water
pH:	Not available
Specific Gravity 20°C (Water = 1):	1.5
Solubility in Water (%)	Not available

SECTION 10 - STABILITY and REACTIVITY

Stability: Product is stable.

Decomposition Products: By Thermal Decomposition: carbon monoxide, carbon dioxide, Acrylic monomers, other potentially toxic fumes

Materials with Which Substance Is Incompatible: None known.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicity Data:

CAS# 13463-67-7 LD50 Acute Oral	>5,000 mg/kg	Rat
CAS# 13463-67-7 LD50 Inhalation	>6.82 mg/kg/4 Hr	Rat

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH

CAS# 13463-67-7 LD50 Acute Dermal	>10,000 mg/kg	Rat
CAS# 1333-86-4 LD50 Acute Oral	>8,000 mg/kg	Rat
CAS# 1333-86-4 LD50 Acute Dermal	>3,000 mg/kg	Rat
CAS# 119-61-9 LD50 Acute Oral	>2,895 mg/kg	Mouse
CAS# 119-61-9 LD50 Acute Dermal	>3,535 mg/kg	Rabbit
CAS# 1317-80-2 LD50 Acute Oral	>10,000 mg/kg	Rat
CAS# 1317-80-2 LD50 Inhalation	>6.8 kg/l/4 Hr	Rat

Suspected Cancer Agent: One or more of the ingredients are found on the following lists: FEDERAL OSHA Z LIST, NTP, CAL/OSHA, IARC and therefore are considered to be, or suspected to be a cancer-causing agent by these agencies:

Titanium dioxide (rutile) (1317-80-2)

ACGIH: A4 – Not classifiable as a Human Carcinogen

NIOSH: Potential occupational carcinogen

IARC: Monograph 93 posted, Monograph 47 [1989] (Group 2B (possibly carcinogenic to humans))

Irritancy of Product: None known.

Sensitization of Product: None known.

Reproductive Toxicity Information: None known.

SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: None known

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: None known

ASPIRATION HAZARD: None

SECTION 12 - ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

ENVIRONMENTAL STABILITY: No specific data is available for this product, however this product is not expected to be readily biodegradable

EFFECT OF MATERIAL ON PLANTS or ANIMALS: No specific data is currently available on this product's effects on plants or animals.

EFFECT OF CHEMICAL ON AQUATIC LIFE: No specific data is currently available on this product's effects on aquatic life; however release of this product may have long term effects on the aquatic environment.

Specific Component Data:

None available.

Test & Species Conditions:

None available.

SECTION 13 - DISPOSAL CONSIDERATIONS

Preparing Wastes for Disposal: Waste disposal must be in accordance with appropriate Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

RCRA Waste Code: None listed.

EU Waste Code: None listed.

SECTION 14 - TRANSPORTATION INFORMATION

US DOT; IATA; IMO; ADR:

THIS PRODUCT IS NOT CLASSIFIED AS DANGEROUS GOODS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION.

This product has been tested to the ASTM D-4206 Standard and determined that it does not sustain combustion. As result it is exempt from regulations when shipped ground or rail within the U.S.A.

PROPER SHIPPING NAME: Non-Regulated when shipped ground or rail with U.S.A.

HAZARD CLASS NUMBER and DESCRIPTION: None

UN IDENTIFICATION NUMBER: None

PACKING GROUP: None

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH

DOT LABEL(S) REQUIRED: None

NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER (2004): None

MARINE POLLUTANT: This products ingredients that are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:

This product is not classified as Dangerous Goods, per regulations of Transport Canada.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):

PROPER SHIPPING NAME: Non regulated

HAZARD CLASS NUMBER and DESCRIPTION: Non regulated

PACKING GROUP: Non regulated

DOT LABEL(S) REQUIRED: Non regulated

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:

This product is not classified as Dangerous Goods by the International Maritime Organization.\

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):

This product is not classified by the United Nations Economic Commission for Europe to be dangerous goods.

Harmonized Tariff Code: Not Listed

SECTION 15 - REGULATORY INFORMATION

United States Regulations:

SARA Reporting Requirements: This product is not subject to the reporting requirements of Sections 302, 304 and 313 of Title III of the Superfund Amendments and Reauthorization Act., as follows: Chronic health hazard

TSCA: All components in this product are listed on the US Toxic Substances Control Act (TSCA) inventory of chemicals.

SARA 311/312: Acute No Chronic Health: Yes Fire: No Reactivity: No

U.S. SARA Threshold Planning Quantity: There are no specific Threshold Planning Quantities for this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) may apply, per 40 CFR 370.20.

U.S. CERCLA Reportable Quantity (RQ): None

California Safe Drinking Water And Toxic Enforcement Act (Proposition 65): Warning! This product contains chemical(s) known to the State of California to be Carcinogenic. Developmental toxin. Female reproductive toxin. Male reproductive toxin.

Canadian Regulations:

Canadian DSL/NDSL Inventory Status: All of the components of this product are on the DSL Inventory

Canadian Environmental Protection Act (CEPA) Priorities Substances Lists: No component of this product is on the CEPA First Priorities Substance Lists.

Canadian WHMIS CLASSIFICATION and SYMBOLS: This product is categorized as a Class B Division 3 Combustible liquid, and Class D Division 2B Materials causing other toxic effects, as per the Controlled Product Regulations.

European Economic Community Information:

EU Labeling and Classification: Classification of the mixture according to Regulation (EC) No1272/2008. See section 2 for details.

Australian Information For Product:

Australian Inventory Of Chemical Substances (AICS) Status: All components of this product are listed or exempt from listing on the AICS.

Standard For The Uniform Scheduling Of Drugs And Poisons: Not applicable.

Japanese Information For Product:

Japanese Minister Of International Trade And Industry (MITI) Status: The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

International Chemical Inventories:

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac:

Listed or exempt from listing

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union REACH

Australian Inventory of Chemical Substances (AICS):

Listed or exempt from listing

Korean Existing Chemicals List (ECL):

Listed or exempt from listing

Japanese Existing National Inventory of Chemical Substances (ENCS):

Listed or exempt from listing

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

Listed or exempt from listing

Swiss Giftlist List of Toxic Substances:

Listed or exempt from listing

U.S. TSCA:

Listed

SECTION 16 - OTHER INFORMATION

Disclaimer: The information and recommendations in this document are accurate to the best of our knowledge. User must conduct their own tests to determine the suitability of these products for their particular purposes. Because of numerous factors affecting results, Progressive Materials, LLC MAKES NO WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR PURPOSE, other than the material conforms to our applicable current specifications. Progressive Materials, LLC assumes no legal responsibility for use or reliance on the information contained in this Material Safety Data Sheet.