

SAFETY DATA SHEET

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Prmakote WB
Product Use: Graffiti Resistant Coating
Manufactured for: Visual Pollution Technologies, Inc.
P.O. Box 12833
Scottsdale, AZ 85267-2833

Product Identification # (PIF): 03785
Emergency Telephone #: 1-800-255-3924 ChemTel
General Information #: 480-657-9183
Date Prepared: March 24, 2006
Date Revised: May 6, 2016

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: WARNING

Hazard Statement	Category	Code	Hazard Class
Causes skin irritation	2	H315	Skin Irritation
May cause an allergic skin reaction	1	H317	Skin Sensitization

Precautionary Measures:

Category	Code	Statement
Prevention	P261 P264 P272 P280	Avoid breathing fumes/gas/mists/vapors/sprays. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302+P352 P333+P313 P321 P362	IF ON SKIN: Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention. Specific treatments: See Section 4 First Aid Measures. Take off contaminated clothing and wash before reuse.
Storage	None	None
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Inhalation of mists/vapors may cause irritation of respiratory tract. May generate flammable hydrogen gas.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Triethoxyoxtylsilane	None known	2943-75-1	3 – 7

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Seek medical attention if irritation persists.

Skin: Wash with soap and water. Remove contaminated clothing and launder before reuse. If irritation or rash develops, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: DO NOT INDUCE VOMITING. Call a physician if symptoms occur. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: 244°F (118°C)

Flammability: Class IIIB Combustible Liquid

Extinguishing Media: Foam, dry chemical, carbon dioxide fire extinguishers, water spray. Do not spray water directly on fire. Use water spray to cool containers.

Specific hazards arising from chemical: None known.

Hazardous combustion products: Oxides of carbon and silicone, formaldehyde.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Eliminate all ignition sources. Ventilate area. Avoid breathing fumes/gas/mists/vapors/sprays. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

For Small Spills: Avoid dispersal of material and runoff into soil, waterways, drains and sewers. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use with adequate ventilation. Avoid breathing fumes/gas/mists/vapors/sprays. Do not handle around sources of ignition. Do not premix with other chemicals. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

Storage: Keep away from heat, flame, or sunlight. Keep from freezing. Keep container closed when not in use. Protect from physical damage. Store away from strong oxidizing agents, alcohols, acids and bases.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Triethoxyoxylsilane	2943-75-1	Not established	Not established	Not established

Engineering Controls: Provide adequate ventilation. Keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing. Boots.

Respirator: Use NIOSH approved protection if vapors are causing irritation, or if sprays/mists are generated.

Other: Use in a well ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, opaque liquid	Upper/Lower flammability limits	Not determined
Odor	Silicone	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	<1
pH	4 – 5	Specific gravity (water = 1.0)	1.000 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	244°F (118°C)	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Class IIIB Combustible	VOC by weight	0%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Contact with alcohol, bases and acids may liberate highly flammable hydrogen gas.

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong oxidizing agents, alcohols, acids and bases.

Hazardous combustion products: Oxides of carbon and silicone, formaldehyde.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): >5000mg/kg

Dermal (LD50 Rabbit): >5000mg/kg

Inhalation (LC50 Rat): Not determined

Skin corrosion/irritation: Skin irritant. Symptoms may include skin reddening, swelling and itching. Prolonged/repeated skin exposures can result in dermatitis. May cause an allergic skin reaction with rash.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitization: May cause an allergic skin reaction with rash.

Germ cell mutagenicity: No data available

Carcinogenicity: NTP/IARC/OSHA Carcinogen: No

Reproductive toxicity: Not available

STOT-single exposure: Not classified

STOT-repeated exposure: Not classified

Aspiration hazard: Not classified

Ingestion: No significant health effects expected.

Likely routes of exposure: Eyes, skin. Inhalation if mists or sprays are generated.

Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

96h LC-50 (fish): Not determined

48h EC-50 (invertebrates): >0.29 mg/l – no toxicity at the limit of solubility

72h ErC-50 (algae): >0.78 mg/l – no toxicity at the limit of solubility

Persistence and degradability: Not readily biodegradable.

Bioaccumulative potential: log Pow: 6.41

Mobility in soil: Soil mobility not determined. This product is soluble in water and may spread in water systems.

Other adverse effects: None known.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations.

Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.

RCRA: Not applicable.

SECTION 14. TRANSPORT INFORMATION

United States DOT:

Not regulated

IATA and IMDG:

Not regulated

Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).

Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.

SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.

SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material does not contain any chemical components with known CAS numbers that exceed the De Minimis reporting levels (40 CFR 372).

CERCLA: This product does not have a reportable quantity.

United States Right-To-Know: Triethoxyoxtylsilane CAS# 2943-75-1 – Pennsylvania, New Jersey.

Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

RCRA: Not applicable.

SECTION 16. OTHER INFORMATION

Date Prepared: May 6, 2016 – SDS updated to meet revision #5 GHS requirements.

Hazard Ratings (HMIS): Health 1, Flammability 1, Reactivity 0 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
GHS	Globally Harmonized System
HMIS	Hazardous Material Information System
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.