

MATERIAL SAFETY DATA SHEET

UBS2-C0002
15 00

DATE OF PREPARATION
Aug 24, 2017

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

UBS2-C0002

PRODUCT NAME

POWDURA® Urethane Polyester Powder Coating, Primer/Topcoat

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

Telephone Numbers and Websites

| | |
|--|----------------|
| Regulatory Information | (216) 566-2902 |
| Medical Emergency | (216) 566-2917 |
| Transportation Emergency* | (800) 424-9300 |
| <i>*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i> | |

SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

| % by Weight | CAS Number | Ingredient | Units | Vapor Pressure |
|-------------|-------------|------------------|-----------------------------|----------------|
| 15 | Proprietary | Urethane Polymer | | |
| | | ACGIH TLV | Not Available | |
| | | OSHA PEL | Not Available | |
| 35 | 7727-43-7 | Barium Sulfate | | |
| | | ACGIH TLV | 10 mg/m3 as Dust | |
| | | OSHA PEL | 10 mg/m3 Total Dust | |
| | | OSHA PEL | 5 mg/m3 Respirable Fraction | |
| 2 | 1333-86-4 | Carbon Black | | |
| | | ACGIH TLV | 3.5 MG/M3 | |
| | | OSHA PEL | 3.5 MG/M3 | |

SECTION 3 — HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of dust.
EYE or SKIN contact with the product or dust.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure to dust may cause irritation.

INHALATION: Irritation of the upper respiratory system.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

HMIS Codes

| | |
|---------------------|----|
| Health | 2* |
| Flammability | 1 |
| Reactivity | 0 |

SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.

INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

INGESTION: Do not induce vomiting. Get medical attention immediately.

SECTION 5 — FIRE FIGHTING MEASURES

| | | | |
|--------------------------------------|------------------------------|------------------------------|--|
| FLASH POINT Not Applicable | LEL Not Applicable | UEL Not Applicable | FLAMMABILITY CLASSIFICATION Not Applicable |
| | Applicable | Applicable | |

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Dust at sufficient concentrations can form explosive mixtures with air.
 During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.
 Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition.
 Sweep up material taking care not to generate airborne dust.

SECTION 7 — HANDLING AND STORAGE

STORAGE CATEGORY

Not Applicable

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Store in a cool, dry area out of direct sunlight.
 Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.
 Keep out of the reach of children.

SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.
 Avoid eye and prolonged skin contact with dust. Avoid generating or breathing airborne dust.
 Wash hands after using.
 This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
 When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Required for long or repeated contact.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|----------------|--|
| PRODUCT WEIGHT | 12.69 lb/gal | 1520 g/l |
| SPECIFIC GRAVITY | 1.53 | |
| BOILING POINT | Not Applicable | |
| MELTING POINT | Not Available | |
| VOLATILE VOLUME | 0% | |
| EVAPORATION RATE | Not Available | |
| VAPOR DENSITY | Not Available | |
| SOLUBILITY IN WATER | Not Available | |
| VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged) | | |
| 0.00 lb/gal | 0 g/l | Less Water and Federally Exempt Solvents |
| 0.00 lb/gal | 0 g/l | Emitted VOC |

SECTION 10 — STABILITY AND REACTIVITY**STABILITY — Stable
CONDITIONS TO AVOID**

High concentrations of airborne dust which may ignite explosively.

INCOMPATIBILITY

Strong oxidizers, acids or alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION**CHRONIC HEALTH HAZARDS**

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

TOXICOLOGY DATA

| CAS No. | Ingredient Name | | | |
|-------------|------------------|----------------------|-----|--------------------------------|
| Proprietary | Urethane Polymer | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |
| 7727-43-7 | Barium Sulfate | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |
| 1333-86-4 | Carbon Black | LC50 RAT LD50 RAT | 4HR | Not Available Not Available |

SECTION 12 — ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION**

No data available.

SECTION 13 — 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.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 — TRANSPORT INFORMATION

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

US Ground (DOT)

Not Regulated for Transportation.

Canada (TDG)

Not Regulated for Transportation.

IMO

Not Regulated for Transportation.

IMO

Not Regulated for Transportation.

IATA/ICAO

Not Regulated for Transportation.

SECTION 15 — REGULATORY INFORMATION**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

| CAS No. | CHEMICAL/COMPOUND | % by WT | % Element |
|--|-------------------|---------|-----------|
| No ingredients in this product are subject to SARA 313 (40 CFR 372.65C) Supplier Notification. | | | |

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 — OTHER INFORMATION

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

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.