SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: STAN-PIG R-200

Manufactured for and supplied by:

Harwick Standard Distribution Corporation
60 South Seiberling Street
P.O. Box 9360
Akron, OH 44305-0360

Telephone no: (330) 798-9300

Date prepared: April 18, 2011
Preparer: Health, Safety & Environment

Product use: Pigment

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Components Chemical Identity	CAS Number	LD_{50} mg/kg of Ingredient	LC_{50} mg/kg of Ingredient	%
Titanium Dioxide	13463-67-7			100

SECTION 3 - HAZARD(S) IDENTIFICATION

Primary routes of exposure:

Inhalation ☑ **Skin contact** ☑ **Eye contact** ☑ **Skin absorption** ☐ **Ingestion** ☐

Emergency Overview: WARNING! May cause irritation to eyes, skin, and respiratory tract. Suspect cancer hazard.

Potential Health Effects: Eye contact may cause mild irritation, possible reddening. Skin contact may cause mild irritation, possible reddening. Repeated or prolonged skin contact may cause skin irritation or skin sensitization. Inhalation may cause mild irritation to the respiratory tract. Prolonged exposure to dust may cause respiratory irritation. Repeated exposure may cause respiratory sensitization (asthma).

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, seek immediate medical attention.

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.

Skin contact: Remove contaminated clothing. Wash skin with soap and running water. Launder clothing before reuse. Seek medical attention if irritation persists.

Eye contact: In case of eye contact, immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention if irritation persists.

Notes to Physician: Provide symptomatic/supportive care as necessary. Treatment based on sound judgment of physician and individual reactions of patient. Observe for signs of respiratory distress.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point (method): Not available

Extinguishing media: Water spray, carbon dioxide or dry chemical.

Special fire fighting procedures: Fight fire from a safe distance and from a protected location. Flammable dust when finely divided and highly suspended state. Use water spray to cool fire exposed surfaces. Decomposition in fire may produce toxic gases. Do not allow runoff to enter waterways.

Unusual fire and explosion hazards: Toxic emissions may result if product is involved in a fire. Avoid ignition sources such as sparks and flames.

Hazardous combustion products: Carbon monoxide, carbon dioxide and oxides of sulfur.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Wear protective equipment specified. Isolate spill and stop leak if possible with being safe. Remove ignition sources and work with non-sparking tools. Scoop up and remove. Do NOT spread spilled product with water. Avoid generation of dust. Avoid ingestion and inhalation of dust. Scoop and place into container for disposal. Keep container closed.

SECTION 7 - HANDLING AND STORAGE

Handling: Good hygienic practices should be observed. Work clothes should be washed separately at the end of each workday. Disposable clothing should be discarded with material. Prevent dust accumulation. Avoid generating or breathing dust. Avoid ignition sources such as sparks and flames. Avoid contact with eyes, skin and clothing. Close containers of unused product. Wash hands before eating, drinking and chewing gum, using tobacco or using the toilet. Do not reuse this container.

Storage: Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing agents. Avoid high temperatures. Avoid exposure to direct sunlight.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:
Airborne Exposure Limits:
Titanium Dioxide: OSHA Permissible Exposure Limit (PEL)-15 mg/m3 (TWA)
ACGIH Threshold Limit Value (TLC)-10 mg/m3 (TWA)

Respiratory protection (specify type): A NIOSH/MSHA approved respirator above PEL or TLV, and/or an organic vapor respirator for vapors or mists.

Ventilation: **Local exhaust:** Recommended to minimize exposure.
Mechanical (general): Recommended to minimize exposure.

Protective gloves: Impervious

Eye protection: Safety glasses or chemical goggles

Skin protection: Normal work coveralls. Launder contaminated clothing before reuse.

Other protective clothing or equipment: Apron, boots.

Work/hygienic practices: Maintain eyewash station.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Boiling point:	2750°C	Specific gravity:	4.26
Freezing point:	Not determined	pH:	Not determined
Melting point:	1855°C	Molecular weight:	79.9 g/mole
Vapor pressure (mm Hg):	Not determined	Odor threshold (ppm):	Not determined
Vapor density (AIR=1):	Not determined	Coefficient of water/oil distribution:	Not determined
Solubility in water:	Insoluble	Evaporation rate:	Not determined
Appearance (physical state):	Solid white powder	Odor:	Odorless

SECTION 10 - STABILITY & REACTIVITY

Stability **Stable:** ☑
Unstable: ☐

Conditions to avoid (conditions of reactivity): Keep away from heat, sparks and flame. Avoid ignition sources. Dusting.

Incompatibility (materials to avoid): Avoid strong oxidizing agents. Reactive with acids. A violent reaction with lithium occurs around 200°C (392°F) with a flash of light. Violent or incandescent reaction may also occur with other metals such as aluminum, calcium, magnesium, potassium, sodium and zinc.

Hazardous decomposition or byproducts: Carbon monoxide, carbon dioxide and oxides of sulfur.

Hazardous polymerization **May occur:** ☐
Will not occur: ☑

Conditions to avoid: Keep away from heat, sparks and flame.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute: Eye contact may cause mild irritation, possible reddening. Skin contact may cause mild irritation, possible reddening. Inhalation may cause mild irritation to the respiratory tract.

Chronic: Suspect cancer hazard. Prolonged exposure to dust may cause respiratory irritation. Repeated exposure may cause respiratory sensitization (asthma).

Carcinogenicity
Titanium Dioxide, CAS# 13463-67-7 IARC Classification: Group 2B-Possibly carcinogenic to humans

NTP	☐	**IARC**	☑ Group 2B	**OSHA**	☐	**ACGIH**	☐

SECTION 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity: Not available
Products of Biodegradation: Possible hazardous short-term degradation products are not likely.
Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal method: In accordance with federal, state, and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

Special shipping information: Not DOT regulated

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status:
Chemical components are listed on the TSCA inventory.

SARA 313
This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372: None known

SARA Sections 311 & 312 Hazard Categories
Acute: Yes
Chronic: Yes
Fire: No
Pressure: No
Reactivity: No

RCRA status
The following chemical components are listed under (40 CFR 261): None known. Not a hazardous waste.

HMIS Classification: HEALTH 1 FLAMMABILITY 1 REACTIVITY 0

SECTION 16 - OTHER INFORMATION