# Safety Data Sheet

**Revision Date:** 01-26-2016
**Product Code:** 1560-032

## 1. IDENTIFICATION

| | |
|---|---|
| **Product Name** | **STANTEST MULTI-PURPOSE ALKYD PRIMER GRAY** |
| **Product Code** | 1560-032 |
| **Document ID** | G1560-032 |
| **Revision Number** | 2 |
| **Prior Version Date** | 08-11-2015 |
| **Intended Use** | Industrial Maintenance Primer |
| **Restrictions On Use** | For Industrial Use Only |
| **Chemical Family** | Phenolic Alkyd Primer |
| **Chemical Manufacturer / Importer** | Hempel (USA), Inc.<br>Jones-Blair Division<br>2728 Empire Central<br>Dallas, TX 75235<br>1-214-353-1600 |
| **Emergency Telephone Number:** | ChemTrec Center 1-800-424-9300<br>**International:** 703-527-3887 |

## 2. HAZARD(S) IDENTIFICATION

**Classification of the chemical in accordance with paragraph (d) of §1910.1200;**

**Hazard Pictograms**

**GHS Classification**

Skin Sensitisation Category 1
Carcinogenicity Category 1A
Flammable Liquid Category 2
Skin Corrosion/Irritation Category 2
Reproductive Toxicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2

**Signal Word**

Danger

**Hazard Statements**

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. May cause cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

**Precautionary Statements**

**Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fume, mist, vapours or spray. Wash thoroughly after handling. Contaminated work clothing should not

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| | be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required. |
| **Response** | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF exposed or concerned: Get medical attention. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray for extinction. |
| **Storage** | Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up. |
| **Disposal** | Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| **Hazards Not Otherwise Classified (HNOC)** | Not applicable |

**Additional Information**

Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Component | CAS # | % |
|---|---|---|
| Light aliphatic solvent naphtha | 64742-89-8 | 7 - 13 |
| Titanium dioxide | 13463-67-7 | 3 - 7 |
| Stoddard solvent | 8052-41-3 | 1 - 5 |
| Quartz (Silica-Crystalline) | 14808-60-7 | 0.1 - 1 |
| Methyl Ethyl Ketoxime | 96-29-7 | 0.1 - 1 |
| Ethylbenzene | 100-41-4 | 0.1 - 1 |
| Carbon black | 1333-86-4 | 0.1 - 1 |

**The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.**

## 4. FIRST-AID MEASURES

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| **Inhalation** | Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. |
| **Eye Contact** | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. |
| **Skin Contact** | Wash with soap and water. Get medical attention if irritation develops or persists. |
| **Ingestion** | If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal. |

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| **Most Important Acute Symptoms and Effects** | Not Available |
| **Most Important Delayed Symptoms and Effects** | Not Available |
| **Special treatment needed:** | No additional first aid information available |

## 5. FIRE-FIGHTING MEASURES

| | |
|---|---|
| **Suitable Extinguishing Media** | Use alcohol resistant foam, carbon dioxide, or dry chemical |

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| | extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage. |
| **Unsuitable Extinguishing Media** | No data available |
| **Fire and/or Explosion Hazards** | Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire. |
| **Hazardous Combustion Products** | Carbon monoxide, Toxic fumes, Carbon dioxide, Hydrocarbons, Toxic gases |
| **Special Protective Equipment and Precautions for Fire-Fighters** | Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.<br>Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment. |

## 6. ACCIDENTAL RELEASE MEASURES

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| **Personal Precautions, Protective Equipment and Emergency Procedures** | Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill. |
| **Methods and Material for Containment and Cleaning Up** | Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. |

## 7. HANDLING AND STORAGE

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| **Precautions for Safe Handling** | Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. |
| **Conditions for Safe Storage** | Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition. |
| **Materials to Avoid/Chemical Incompatibility** | Oxidizing agents |

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Limits**

| Chemical Component | OSHA PEL | ACGIH TLV-TWA | ACGIH STEL |
|---|---|---|---|
| Limestone | 15 mg/m³ (total dust); 5 mg/m³ (respirable fraction) | | |
| Talc | 2mg/m³ (Respirable | 20 mppcf TWA | |

| | | | |
|---|---|---|---|
| | Dust) | | |
| Titanium dioxide | 15 mg/m³ TWA (total dust) | 10 mg/m³ TWA | |
| tert-butyl acetate | 200ppm; 950mg/m³ TWA | 200ppm TWA | |
| Stoddard solvent | 500 ppm TWA; 2900 mg/m³ TWA | 100 ppm TWA; 572 mg/m³ TWA | |
| Kaolin | 15 mg/m³TWA (total dust); 5 mg/m³ TWA (respirable fraction) | 2 mg/m³ TWA (respirable dust) | |
| Quartz (Silica-Crystalline) | see Table Z-3 | 0.05 mg/m³ TWA (respirable fraction) | |
| Ethylbenzene | 100 ppm TWA; 435 mg/m³ TWA | 100 ppm TWA; 434 mg/m³ TWA | 125 ppm STEL; 543 mg/m³ STEL |
| Carbon black | 3.5 mg/m3 TWA | 3.5 mg/m3 TWA | |

**Appropriate Engineering Controls** Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.

**Respiratory Protection** General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.

**Eye Protection** Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

**Skin Protection** Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.

**General Hygiene Conditions** As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|---|---|
| **Appearance** | |
| **Physical State** | Liquid |
| **Color** | Grey |
| **Odor** | Aromatic |
| **Odor Threshold** | No data available |
| **pH** | No data available |
| **Melting Point/Freezing Point (℉/℃)** | No data available / No data available |
| **Initial Boiling Point and Boiling Range** | |
| **Low (℉)** | 245.0 |
| **High (℉)** | 302.0 |
| **Flash Point (℉/℃)** | 40 / 4 |
| **Flammability (solid, gas)** | No data available |
| **Upper Flammable/Explosive Limit** | 7.0 |
| **Lower Flammable/Explosive Limit** | 1.0 |
| **Vapor Pressure** | < 10.00 (mm Hg @ 68° F / 20º C) |
| **Vapor Density** | 3.50 |
| **Relative Density** | 1.400 |
| **Solubility in Water** | Minimal; 1-9% |
| **Partition coefficient: n-octanol/water** | No data available |

| | |
|---|---|
| **Auto-ignition Temperature** | No data available |
| **Decomposition Temperature:** | No data available |
| **Viscosity** | 30 - 40 Z3 |
| **Volatiles, % by volume** | 43.83 |
| **Volatiles, % by weight** | 24.14 |
| **Volatile Organic Chemicals (g/L)** | |
| (Regulatory, Calculated) | 304.65 |
| (Actual, Calculated) | 286.67 |
| **Density** | 11.48 - 11.88 lbs./Gal |

## 10. STABILITY AND REACTIVITY

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|---|---|
| **Chemical stability** | Stable under normal conditions. |
| **Possibility of Hazardous Reactions** | No data available |
| **Conditions to Avoid** | Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. |
| **Incompatible Materials** | Oxidizing agents |
| **Hazardous Decomposition Products** | Carbon monoxide, Toxic fumes, Carbon dioxide, Hydrocarbons, Toxic gases |

## 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure**
Inhalation
Ingestion
Skin contact
Eye contact

**Immediate (Acute) Health Effects by Route of Exposure**

| | |
|---|---|
| **Inhalation Irritation** | Causes nose and throat irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. |
| **Inhalation Toxicity** | Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea. |
| **Skin Contact** | Causes skin irritation. |
| **Eye Contact** | Causes eye irritation. |
| **Ingestion Toxicity** | Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal. |

**Long-Term (Chronic) Health Effects**

| | |
|---|---|
| **Carcinogenicity** | Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals.<br>Cancer hazard: Contains Crystalline Silica, which can cause cancer. Risk of cancer depends on duration and level of exposure to dust generated from sanding surfaces or spray mists.<br>Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)<br>Possible cancer hazard. Contains carbon black which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.) |
| **Inhalation** | NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.<br>Overexposure may cause lung damage. |

**Product Toxicology Data**

**Inhalation Vapor Acute Toxicity Estimate (ATE)** 439.70 mg/L

**Component Toxicology Data**

| Chemical Component | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Limestone | Oral LD50 Rat 6450 mg/kg | Dermal LD50 Rabbit > 2000 mg/kg | Inhalation LC50 (4h) Rat > 5.00 mg/L |
| Light aliphatic solvent naphtha | Oral LD50 Rat 5840 mg/kg | Dermal LD50 Rat 2920 mg/kg | |
| Talc | Oral LD50 Rat > 5000 mg/kg | Dermal LD50 Rabbit > 5000 mg/kg | Inhalation LC50 (4h) Rat > 20.00 mg/L |
| Titanium dioxide | Oral LD50 Rat > 25,000 mg/kg | Dermal LD50 Rabbit > 10,000 mg/kg | Inhalation LC50 (4h) Rat > 6.82 mg/L |
| Distillates, Petroleum, Hydrotreated Light | Oral LD50 Rat > 5000 mg/kg | Dermal LD50 Rabbit > 2000 mg/kg | Inhalation LC50 (4h) Rat > 5.20 mg/L |
| tert-butyl acetate | Oral LD50 Rat 4100 mg/kg | Dermal LD50 Rabbit > 2000 mg/kg | Inhalation LC50 (6h) Rat > 4,000.00 ppm |
| Stoddard solvent | Oral LD50 Rat > 15,000 mg/kg | Dermal LD50 Rabbit > 3400 mg/kg | Inhalation LC50 Rat > 13.10 mg/L |
| Kaolin | Oral LD50 Rat > 5000 mg/kg | Dermal LD50 Rat > 5000 mg/kg | Inhalation LC50 Rat 36.00 mg/L |
| Quartz | Oral LD50 Rat > 22,500 mg/kg | Dermal LD50 Rabbit > 2000 mg/kg | Inhalation LC50 (4h) Rat > 20.00 mg/L |
| Ethylbenzene | Oral LD50 Rat 3500 mg/kg | Dermal LD50 Rabbit 5510 mg/kg | Inhalation LC50 (4h) Rat 17.00 mg/L |
| Carbon black | Oral LD50 Rat > 8000 mg/kg | Dermal LD50 Rabbit > 2000 mg/kg | |

**Carcinogen Information**

| Chemical Name | IARC Carcinogen | OSHA Carcinogen | NTP Carcinogen |
|---|---|---|---|
| Talc | 2B | | |
| Titanium dioxide | 2B | | |
| Quartz | 1 | | 1 |
| Ethylbenzene | 2B | | |
| Carbon black | 2B | | |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity (aquatic and terrestrial, where available)** No data available

**Mobility in soil** No data available

## 13. DISPOSAL CONSIDERATIONS

**Safe Handling of Waste** Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

## 14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

**DOT Basic Description:** Paint
**Hazard Class:** 3
**UN Number:** UN1263

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**Packing Group:** II
**Other:** This product qualifies for a limited quantity exception per CFR173.150(b)(2) and 172.102 Special Provision 149 for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

**Marine Pollutant:** No

## 15. REGULATORY INFORMATION

**TSCA Status** All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

**Regulated Components**

| SARA EHS Chemicals | CAS # | % |
|---|---|---|
| Not applicable | | |

**CERCLA**

| | | |
|---|---|---|
| tert-Butyl acetate | 540-88-5 | 1 - 5 |
| Ethyl Benzene | 100-41-4 | 0.1 - 1 |

**SARA 313**

| | | |
|---|---|---|
| Ethylbenzene | 100-41-4 | 0.1 - 1 |

**SARA 311/312**

| | |
|---|---|
| Health (Acute): | Y |
| Health (chronic): | Y |
| Fire (Flammable): | Y |
| Pressure: | N |
| Reactivity: | N |

**U. S. State Regulations:**

**California Prop 65 Chemicals**

| Cancer | CAS # | % |
|---|---|---|
| Titanium dioxide | 13463-67-7 | 3 - 7 |
| Crystalline Silica | 14808-60-7 | 0.1 - 1 |
| Ethyl Benzene | 100-41-4 | 0.1 - 1 |
| Carbon Black | 1333-86-4 | 0.1 - 1 |
| Benzene | 71-43-2 | < 1 ppm |
| **Reproductive** | | |
| Hexanoic acid, 2-ethyl- | 149-57-5 | 0.01 - 0.1 |
| Toluene | 108-88-3 | 0.001- 0.01 |
| Benzene | 71-43-2 | < 1 ppm |

**Canadian Regulations**:

**CEPA DSL:** The components of this product ARE listed on the Canadian Domestic Substances List.
**WHMIS Hazard Class:** B2 D2A

## 16. OTHER INFORMATION

**Revision Date** 01-26-2016
**Disclaimer** This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.

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