

Material Safety Data Sheet

Revision Date: 08-28-2013

Product Code: 1560-032

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: STANTEST MULTI-PURPOSE ALKYD PRIMER GRAY
Product Code: 1560-032
Document ID: M1560-032
Company: JONES-BLAIR® Company
2728 Empire Central
Dallas, TX 75235
1-214-353-1600

Revision Number: 5
Prior Version Date: 08-20-2010
Chemical Family: Phenolic Alkyd Primer
Intended use: Industrial Maintenance Primer
Emergency Contact: ChemTrec Center
Emergency Phone: 1-800-424-9300
International: 703-527-3887

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **WARNING!**
Flammable liquid and vapor.
Vapor harmful.

Routes of Entry:

- Inhalation
- Ingestion
- Skin contact
- Eye contact

Target Organs Potentially Affected by Exposure:

- Liver
- Kidneys
- Eyes
- Respiratory Tract
- Central nervous system
- Skin

Medical Conditions Aggravated by Exposure:

- Eye disorders.
- Skin disorders.
- Respiratory disorders, including but not limited to asthma and bronchitis.
- Eye irritation when/if dust or spray mist is generated.
-

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: Can cause moderate 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.
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.

Material Safety Data Sheet

Revision Date: 08-28-2013

Product Code: 1560-032

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. Overexposure may cause lung damage.

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #
Calcium carbonate	15 - 40	471-34-1
Light aliphatic solvent naphtha	7 - 13	64742-89-8
Talc	7 - 13	14807-96-6
Titanium dioxide	3 - 7	13463-67-7
Solvent naphtha (petroleum) medium aliphatic	1 - 5	64742-88-7
tert-butyl acetate	1 - 5	540-88-5
Stoddard solvent	0.5 - 1.5	8052-41-3
Kaolin	0.5 - 1.5	1332-58-7
Quartz (Silica-Crystalline)	0.1 - 1	14808-60-7
Carbon black	0.1 - 1	1333-86-4

IV. FIRST-AID MEASURES

Inhalation: Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.

Eyes: 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. Remove contaminated clothing and launder. 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.

Notes to Doctor: No additional first aid information available

V. FIRE FIGHTING MEASURES

Flammability Summary: **Flammable liquid and vapor.**

Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical 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.

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. Empty containers that retain product residue (liquid, solid/sludge, or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose container to heat, flame, sparks, static electricity, or other sources of ignition. Any of these actions can potentially cause an explosion that may lead to injury or death. SPECIAL PRECAUTIONS: When driers such as cobalt naphthalanate are added, air oxidation of the resins or materials contaminated with the resin may cause it to spontaneously combust. Autoignition may occur with cotton waste or similar combustible materials. To avoid spontaneous combustion: (1) prevent residue build-up and (2) soak soiled rags, spray-booth filters and over-spray waste in a closed water-filled metal container.

Fire Fighting Methods and Protection: Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe

Material Safety Data Sheet

Revision Date: 08-28-2013

Product Code: 1560-032

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. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

Hazardous Combustion Products:

Carbon monoxide, Carbon dioxide, Toxic fumes, Hydrocarbons, Toxic gases

Flash Point (°F/°C): 40 / 4
Autoignition Temperature (°F/°C): 475.0 / 246.0
Lower Flammable/Explosive Limit, % in air: 1.0
Upper Flammable/Explosive Limit, % in air: 7.0

VI. ACCIDENTAL RELEASE MEASURES

Personal Precautions and Equipment:

Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this MSDS. 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 for Clean-up:

Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area. 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.

VII. HANDLING AND STORAGE

Handling Technical Measures and Precautions:

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. Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.

Storage Technical Measures and Conditions:

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures:

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 chemically resistant 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. Wear chemical resistant gloves.

Control Parameters:

Material Safety Data Sheet

Revision Date: 08-28-2013

Product Code: 1560-032

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	OSHA PEL-TWA
Calcium carbonate			15 mg/mg ³ TWA total dust; 5mg/m ³ TWA Respirable Dust
Talc	20 mppcf TWA		2mg/m ³ (Respirable Dust)
Titanium dioxide	10 mg/m ³ TWA		15 mg/m ³ TWA (total dust)
tert-butyl acetate	200ppm TWA		200ppm; 950mg/m ³ TWA
Stoddard solvent	100 ppm TWA; 572 mg/m ³ TWA		500 ppm TWA; 2900 mg/m ³ TWA
Kaolin	2 mg/m ³ TWA (respirable dust)		15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Quartz (Silica-Crystalline)	0.05 mg/m ³ TWA (respirable fraction)		see Table Z-3
Carbon black	3.5 mg/m ³ TWA		3.5 mg/m ³ TWA

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Grey
Physical State:	Liquid
Odor:	Aromatic
Vapor Density:	3.50
Vapor Pressure:	< 10.00 (mm Hg @ 68° F / 20° C)
VOC (g/l) (Regulatory, Calculated):	304.15
(Actual, Calculated):	286.12
Solubility in Water:	Minimal; 1-9%
Octanol/Water Partition Coefficient:	Not Available
Volatiles, % by Volume (Calculated):	43.75
Volatiles, % by weight (Calculated):	24.10
Density:	11.58 - 11.78 lbs./Gal.

Physical and Chemical Properties are calculated target or range values for single packaged items and do not represent compliance values for multi-component (mixed) systems.

X. STABILITY AND REACTIVITY

Stability:	Stable under normal conditions.
Conditions to Avoid:	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination.
Materials to Avoid/Chemical Incompatibility:	Acids, Oxidizing agents
Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide, Toxic fumes, Hydrocarbons, Toxic gases

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:

Chemical Name	CAS Number	LD50/LC50
Light aliphatic solvent naphtha	64742-89-8	Oral LD50 Rat 5840 mg/kg Dermal LD50 Rat 2920 mg/kg
Titanium dioxide	13463-67-7	Oral LD50 Rat > 25 g/kg Dermal LD50 Rabbit > 10 g/kg Inhalation LC50 (4h) Rat > 7 mg/L
tert-butyl acetate	540-88-5	Oral LD50 Rat 4500 mg/kg Dermal LD50 Rabbit > 2000 mg/kg Inhalation LC50 (6h) Rat > 4000 ppm
Stoddard solvent	8052-41-3	Oral LD50 Rat > 5 g/kg Inhalation LC50 Rat > 6 mg/L

Material Safety Data Sheet

Revision Date: 08-28-2013
Product Code: 1560-032

Quartz	14808-60-7	Oral LD50 Rat > 22,500 mg/kg
Carbon black	1333-86-4	Oral LD50 Rat > 8000 mg/kg

Carcinogens:

Chemical Name	CAS Number	IARC	NTP	OSHA
Talc	14807-96-6	2B		
Titanium dioxide	13463-67-7	2B		
Quartz	14808-60-7	1	1	
Carbon black	1333-86-4	2B		

XII. ECOLOGICAL INFORMATION

Toxicity data, if available, are listed below.

Overview: No data available

Mobility: No data available

XIII. DISPOSAL CONSIDERATIONS

Disposal Methods: Refer to other sections of this MSDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

XIV. TRANSPORTATION 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
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

XV. REGULATORY INFORMATION

United States Federal Regulations:

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

SARA EHS Chemicals	CAS #	%
Not applicable		
CERCLA tert-Butyl acetate	540-88-5	1 - 5

SARA 313
Not applicable

SARA 311/312

Material Safety Data Sheet

Revision Date: 08-28-2013
Product Code: 1560-032

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
Carbon Black	1333-86-4	0.1 - 1
Ethyl Benzene	100-41-4	0.01 - 0.1
Cumene	98-82-8	0.001- 0.01
Naphthalene	91-20-3	0.001- 0.01
Benzene	71-43-2	< 10 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	< 10 ppm

Canadian Regulations:

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

XVI. ADDITIONAL INFORMATION

Prepared By: Regulatory Department
Disclaimer: This MSDS 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.
Print Date: August 28, 2013