

Material Safety Data Sheet

Revision Date: 10-10-2012

Product Code: 1500-085

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: STANTEST 3.5 ENAMEL NEUTRAL BASE
Product Code: 1500-085
Document ID: M1500-085
Company: JONES-BLAIR® Company
2728 Empire Central
Dallas, TX 75235
1-214-353-1600
Revision Number: 4
Prior Version Date: 04-19-2011
Chemical Family: Alkyd Enamel
Intended use: Paint
Emergency Contact: ChemTrec Center
Emergency Phone: 1-800-424-9300
International: 703-527-3887

II. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: **DANGER!**
Extremely flammable liquid and vapor. Vapors may cause flash fire.
Causes eye irritation.
Vapor harmful.

Routes of Entry:

- Inhalation
- Ingestion
- Skin contact
- Eye contact
- Skin absorption

Target Organs Potentially Affected by Exposure:

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

Medical Conditions Aggravated by Exposure:

- Respiratory disorders, including but not limited to asthma and bronchitis.
- Eye disorders.
- Skin disorders.
- Liver disease
- Kidney disease
- Lung disease
-

Immediate (Acute) Health Effects by Route of Exposure:

Inhalation Toxicity: Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.

Skin Contact: Causes skin irritation.

Skin Absorption: May be harmful if absorbed through skin.

Eye Contact: Causes eye irritation.

Ingestion Toxicity: Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

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Long-Term (Chronic) Health Effects:

Carcinogenicity: Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)

Reproductive and Developmental Toxicity: Xylene may cause adverse reproductive and/or developmental effects. Pregnant women may be at an increased risk from exposure.

Mutagenicity: Xylene has been shown to be positive in mutagenicity assays.

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.

III. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%	CAS #
Acetone	10 - 30	67-64-1
Light aromatic solvent naphtha	10 - 30	64742-95-6
Barium Sulfate	10 - 30	7727-43-7
Xylene	3 - 7	1330-20-7
1,2,4-Trimethylbenzene	3 - 7	95-63-6
Ethylbenzene	0.1 - 1	100-41-4

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. 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.

V. FIRE FIGHTING MEASURES

Flammability Summary:

Extremely flammable liquid and vapor. Vapors may cause flash fire.

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 Class B fire. 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 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.

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Will not burn, no special instructions available. Use methods appropriate for surrounding materials.

Hazardous Combustion Products:

Carbon dioxide, Carbon monoxide, Sulfur containing gases

Flash Point (°F/°C):

4 / -16

Autoignition Temperature (°F/°C):

860.0 / 460.0

Lower Flammable/Explosive Limit, % in air:

1.1

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. Use spark-proof tools and explosion-proof equipment. 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. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Follow all protective equipment recommendations provided in Section VIII.

Storage Technical Measures and Conditions:

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

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.

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:

Chemical Name

Acetone

ACGIH TLV-TWA

500 ppm TWA; 1188 mg/m³ TWA

ACGIH STEL

750 ppm STEL; 1782 mg/m³ STEL

OSHA PEL-TWA

1000 ppm TWA; 2400 mg/m³ TWA

Barium Sulfate

10 mg/m³ TWA (total);

15 mg/m³ TWA (total); 5

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Xylene	5mg/m ³ (respirable) 100 ppm TWA; 434 mg/m ³ TWA	150 ppm STEL; 651 mg/m ³ STEL	mg/m ³ TWA (respirable) 100 ppm TWA; 435 mg/m ³ TWA
1,2,4-Trimethylbenzene Ethylbenzene	25ppm; 123mg/m ³ TWA 100 ppm TWA; 434 mg/m ³ TWA	125 ppm STEL; 543 mg/m ³ STEL	100 ppm TWA; 435 mg/m ³ TWA

IX. PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless
Physical State:	Liquid
Boiling Point - Low (°F):	304.0
Boiling Point - High (°F):	310.0
Evaporation Rate:	8
Vapor Density:	4.15 (air = 1)
Vapor Pressure:	185.00
VOC (g/l) (Regulatory, Calculated):	413.02
(Actual, Calculated):	296.71
Viscosity:	30 - 40 Z2
Solubility in Water:	Minimal; 1-9%
Octanol/Water Partition Coefficient:	Not Available
Volatiles, % by Volume (Calculated):	62.43
Volatiles, % by weight (Calculated):	47.61
Density:	9 - 9 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:	Oxidizing agents, Acids
Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon dioxide, Carbon monoxide, Sulfur containing gases

XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data:

Chemical Name	CAS Number	LD50/LC50
Acetone	67-64-1	Oral LD50 Rat 6 g/kg Dermal LD50 Rabbit > 16 g/kg Inhalation LC50 (4h) Rat > 16,000 ppm
Light aromatic solvent naphtha	64742-95-6	Oral LD50 Rat 4 - 8 ml/kg Dermal LD50 Rat > 2 g/kg Inhalation LC50 (4h) Rat 6 - 10 mg/L
Xylene	1330-20-7	Oral LD50 Rat 4,300 mg/kg
1,2,4-Trimethylbenzene	95-63-6	Oral LD50 Rat 5 g/kg Inhalation LC50 (18h) Rat 18 G/M3
Ethylbenzene	100-41-4	Dermal LD50 Rat 3,500 mg/kg

Carcinogens:

Chemical Name	CAS Number	IARC	NTP	OSHA
Ethylbenzene	100-41-4	2B		

XII. ECOLOGICAL INFORMATION

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Toxicity data, if available, are listed below.

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).

IATA Air Shipping Name: Paint
IATA Hazard Class: 3
IATA UN Number: UN1263
IATA Packing Group: II

IMO Shipping Name: Paint
IMO Hazard Class: 3
IMO UN Number: UN1263
IMO Packing Group: II

Marine Pollutant: N

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		
Acetone	67-64-1	10 - 30
Xylene (mixed isomers)	1330-20-7	3 - 7
Ethyl Benzene	100-41-4	0.1 - 1
SARA 313		
Xylene (mixed isomers)	1330-20-7	3 - 7
1,2,4-Trimethylbenzene	95-63-6	3 - 7
Ethylbenzene	100-41-4	0.1 - 1
SARA 311/312		
Health (Acute):	Y	
Health (chronic):	Y	
Fire (Flammable):	Y	
Pressure:	N	

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Reactivity: N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer

	<u>CAS #</u>	<u>%</u>
Ethyl Benzene	100-41-4	0.1 - 1
Benzene	71-43-2	0.01 - 0.1
Titanium dioxide	13463-67-7	0.001- 0.01
Crystalline Silica	14808-60-7	0.001- 0.01
Naphthalene	91-20-3	< 10 ppm
Cumene	98-82-8	< 10 ppm

Reproductive

Toluene	108-88-3	0.01 - 0.1
Benzene	71-43-2	0.01 - 0.1

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.

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