

Safety Data Sheet

Revision Date: 01-28-2016
Product Code: 1530-004

1. IDENTIFICATION

Product Name	STANTEST 3.5 ALYKD ENAMEL CRANE YELLOW
Product Code	1530-004
Document ID	G1530-004
Revision Number	2
Prior Version Date	07-08-2015
Intended Use	Industrial Maintenance Coating
Restrictions On Use	For Industrial Use Only
Chemical Family	Modified Alkyd Enamel
Chemical Manufacturer / Importer	Hempel (USA), Inc. Jones-Blair Division 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 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
Flammable Liquid Category 2
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2
Carcinogenicity Category 2
Reproductive Toxicity Category 2
Acute Toxicity - Inhalation Vapour Category 4

Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child.

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. Avoid breathing dust, fume, mist, vapours or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated

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Response	area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.
	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Call a POISON CENTER or physician if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: 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 aromatic solvent naphtha	64742-95-6	10 - 30
Acetone	67-64-1	7 - 13
Xylene	1330-20-7	7 - 13
1,2,4-Trimethylbenzene	95-63-6	3 - 7
Titanium dioxide	13463-67-7	1 - 5
Ethylbenzene	100-41-4	1 - 5
Cumene	98-82-8	0.1 - 1
Methyl Ethyl Ketoxime	96-29-7	0.1 - 1
Toluene	108-88-3	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

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
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.

Most Important Acute Symptoms Not Available

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and Effects

Most Important Delayed Symptoms Not Available

and Effects

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 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 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.

Hazardous Combustion Products Special Protective Equipment and Precautions for Fire-Fighters

Carbon dioxide, Carbon monoxide, Sulfur containing gases
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.

6. ACCIDENTAL RELEASE MEASURES

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

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

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, Acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

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<u>Chemical Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH STEL</u>
Acetone	1000 ppm TWA; 2400 mg/m ³ TWA	500 ppm TWA; 1188 mg/m ³ TWA	750 ppm STEL; 1782 mg/m ³ STEL
Xylene	100 ppm TWA; 435 mg/m ³ TWA	100 ppm TWA; 434 mg/m ³ TWA	150 ppm STEL; 651 mg/m ³ STEL
1,2,4-Trimethylbenzene		25ppm; 123mg/m ³ TWA	
Titanium dioxide	15 mg/m ³ TWA (total dust)	10 mg/m ³ TWA	
Ethylbenzene	100 ppm TWA; 435 mg/m ³ TWA	100 ppm TWA; 434 mg/m ³ TWA	125 ppm STEL; 543 mg/m ³ STEL
Cumene	50 ppm TWA; 245 mg/m ³ TWA	50 ppm TWA; 246 mg/m ³ TWA	

**Appropriate Engineering Controls
Respiratory Protection**

Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure.

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.

**Other Protective Equipment
General Hygiene Conditions**

Nitrile Neoprene Impervious rubber

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. Use spark-proof tools and explosion-proof equipment. Follow all protective equipment recommendations provided in Section VIII.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical State
Color

Liquid
Yellow

Odor

No data available

Odor Threshold

No data available

pH

No data available

Melting Point/Freezing Point (°F/°C)

No data available / No data available

Initial Boiling Point and Boiling Range

Low (°F)

132.0

High (°F)

335.0

Flash Point (°F/°C)

4 / -16

Evaporation Rate

7.70

Flammability (solid, gas)

No data available

Upper Flammable/Explosive Limit

7.0

Lower Flammable/Explosive Limit

1.0

Vapor Pressure

185.00

Vapor Density

4.15 (air = 1)

Relative Density

1.038

Solubility in Water

Minimal; 1-9%

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Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Viscosity	30 - 40 Z2
Volatiles, % by volume	55.55
Volatiles, % by weight	45.29
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	412.41
(Actual, Calculated)	350.06
Density	8.46 - 8.86 lbs./Gal

10. STABILITY AND REACTIVITY

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, Acids
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Sulfur containing gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure	Inhalation Ingestion Skin contact Eye contact Skin absorption
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Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Can cause severe respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness. 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.
Skin Absorption	May be harmful if absorbed through skin.
Eye Contact	Can cause moderate irritation, tearing and reddening.
Ingestion Toxicity	Harmful or fatal if swallowed. 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. 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.

Product Toxicology Data

Dermal Acute Toxicity Estimate (ATE)	10,252.69 mg/kg
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Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Light aromatic solvent naphtha	Oral LD50 Rat 8400 mg/kg	Dermal LD50 Rat > 2000 mg/kg	Inhalation LC50 (4h) Rat 5.60 mg/L
Acetone	Oral LD50 Rat 5800 mg/kg	Dermal LD50 Rabbit > 16 g/kg	Inhalation LC50 (4h) Rat 76.00 mg/L
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
1,2,4-Trimethylbenzene	Oral LD50 Rat 6000 mg/kg	Dermal LD50 Rat > 3440 mg/kg	Inhalation LC50 (4h) Rat 10.20 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
Ethylbenzene	Oral LD50 Rat 3500 mg/kg	Dermal LD50 Rabbit 5510 mg/kg	Inhalation LC50 (4h) Rat 17.00 mg/L
Cumene	Oral LD50 Rat 1400 mg/kg	Dermal LD50 Rabbit > 3160 mg/kg	Inhalation LC50 (4h) Rat 8,000.00 ppm

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Titanium dioxide	2B		
Ethylbenzene	2B		
Cumene	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.
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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
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

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IMO UN Number: UN1263
IMO Packing Group: II

Marine Pollutant: N

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

Not applicable

CERCLA

	<u>CAS #</u>	<u>%</u>
Acetone	67-64-1	7 - 13
Xylene (mixed isomers)	1330-20-7	7 - 13
Ethyl Benzene	100-41-4	1 - 5
Cumene	98-82-8	0.1 - 1

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Xylene (mixed isomers)	1330-20-7	7 - 13
1,2,4-Trimethylbenzene	95-63-6	3 - 7
Ethylbenzene	100-41-4	1 - 5
Cumene	98-82-8	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

	<u>CAS #</u>	<u>%</u>
Titanium dioxide	13463-67-7	1 - 5
Ethyl Benzene	100-41-4	1 - 5
Cumene	98-82-8	0.1 - 1
Benzene	71-43-2	0.01 - 0.1
Carbon Black	1333-86-4	< 1 ppb

Reproductive

Toluene	108-88-3	0.1 - 1
Benzene	71-43-2	0.01 - 0.1
Methyl Alcohol	67-56-1	< 10 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

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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

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