Safety Data Sheet

Issue Date: 10-Sep-2013 **Revision Date:** 15-Jun-2015 **Version** 1

1. IDENTIFICATION

Product Identifier

Product Name Hi Tech Sealant - Clear

Product Code 17600, 18409
UN/ID No UN1993

Other means of identification

SDS # RD-0042CC

Recommended use of the chemical and restrictions on use

Recommended Use For sealing around windows, doors & similar areas, where a crystal clear bead is desired. Paintable.

Details of the supplier of the safety data sheet

Supplier Address

ACE Hardware Corp.
2200 Kensington Ct
Oak Brook, IL 60523

Emergency Telephone Number

Company Phone Number 630-990-6600
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear viscous **Physical State** Viscous paste **Odor** Solvent

Classification

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Aspiration toxicity	Category 1
Flammable Liquids	Category 3

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Signal Word

Danger

Hazard Statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May be fatal if swallowed and enters airways
Flammable liquid and vapor

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Get medical attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
Get medical attention if symptoms persist
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a poison center or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do not induce vomiting
IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Xylene	1330-20-7	<25
Polyalicyclic resin	MIXTURE	<20
Light aliphatic solvent naphtha	64742-48-9	<20
Non-hazardous Ingredients*	Proprietary	<19

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a tradesecret.

*Unlisted ingredients are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

4. FIRST-AID MEASURES

First Aid Measures

General Advice Provide this SDS to medical personnel for treatment. Get medical attention for any overexposure.

Eye Contact Immediately flush w/ large quantities of water for @ least 15 minutes, until irritation subsides. Get medical attention.

Skin Contact Wash w/ soap & water for @ least 15 minutes. Get medical attention if symptoms persist. Remove & wash contaminated clothing.

Inhalation Remove to fresh air. If not breathing, give artificial respiration. If breathing difficult, give oxygen & contact physician immediately. Only trained individuals should give artificial or administer oxygen.

Ingestion Do not induce vomiting unless directed by medical personnel. If vomiting occurs, lean patient forward to maintain an open airway & prevent aspiration. Get immediate medical attention.

Most important symptoms and effects

Symptoms Inhalation: Vapor harmful if inhaled. Vapor may irritate nose & upper respiratory tract. Inhaled vapor may affect brain or nervous system resulting in dizziness, headache or nausea. Prolonged vapor inhalation may result in severe physical injury.

Eyes: Causes eye irritation.

Ingestion: Material may be harmful or fatal if swallowed. Aspiration of material into lungs due to vomiting can cause chemical pneumonitis, which can be fatal. If ingested, product may cause vomiting, diarrhea & depressed respiration.

Skin: May irritate skin. Prolonged or repeated contact can result in defatting & drying of the skin which can result in skin irritation & dermatitis (skin rash). Can be absorbed through skin.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Provide general supportive measures and treat symptomatically. Aggravated Medical Conditions: Pre-existing eye, skin & respiratory disorders may be aggravated by exposure.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide (CO2). Dry chemical. Water spray (fog). Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Fire & Explosion Conditions: Flammable. Material will readily ignite @ RT. Vapors may form explosive mixture w/ air. Vapors can travel long distances to a source of ignition & flash back. Eliminate ignition sources: heat, electrical equipment, sparks, pilot lights, stoves & flames. Do not smoke or put in contact w/ oxidizing or caustic materials. Containers may explode if exposed to heat.

Hazardous Combustion Products Smoke, fumes. Carbon monoxide & carbon dioxide can form.

Sensitivity to Static Discharge Take precautionary measures against static discharge.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to keep fire-exposed containers cool.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Other Information	Small Spills: 1 drum or less – Level D Equipment (gloves, chemical resistant apron, boots & eye protection). Large Spills: Rubber gloves, rubber boots, face shield & Tyvek suit as a minimum. Minimum level of PPE for releases in which the oxygen level is < 19.5% or is unknown, should be Level B: triple gloves (rubber gloves & nitrile gloves over latex gloves), chemical resistant suit, fire-retardant clothing & boots, hard hat & self-contained breathing apparatus.
For Emergency Responders	Restrict access to spill area.
Environmental Precautions	Minimize use of water to prevent environmental contamination. Prevent spill or rinse from contaminating storm drains, sewers, soil or groundwater. Do not allow discharge containing this material to enter streams, ponds, estuaries, oceans or other waters unless in accordance w/ requirements of National Pollutant Discharge Elimination System (NPDES) permit & permitting authority has been notified in writing prior to discharge. Do not allow discharge containing this material to enter sewer systems w/o previously notifying local sewage treatment plant authority. For information, contact State Water Board or EPA Regional Office Other: U.S. regulations may require reporting of spills of this material reaching surface waters if sheen is formed. See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

Methods for Containment	Prevent further leakage or spillage if safe to do so. Use absorbent material to contain spill.
Methods for Clean-Up	Use clean non-sparking tools to collect absorbed material. Sweep up absorbed material and shovel into suitable containers for disposal. Wash area with soap and water. For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Use only with adequate ventilation. Do not breathe vapors. Wear eye/face protection. Wash thoroughly with soap and water after handling. Avoid contact with skin, eyes or clothing. While handling product keep out of reach of children and pets. Do not eat or drink while handling this material. See section 6 of this SDS for clean up instructions. Keep away from heat/sparks/open flames/hot surfaces. —No smoking. Ground/bond container and receiving equipment. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Keep cool.

Conditions for safe storage, including anyincompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store away from incompatible materials. Protect from direct sunlight. Close container after each use. Store containers away from excessive heat & freezing. Do not store @ temperatures above 120°F.

Incompatible Materials Strong oxidizing agents, Caustics.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Exposure guidelines / protective equipment are for routine handling and accidental spills

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Xylene 1330-20-7	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 435 mg/m^3 (vacated) TWA: 100 ppm (vacated) TWA: 435 mg/m^3 (vacated) STEL: 150 ppm (vacated) STEL: 655 mg/m^3	-

Appropriate engineering controls

Engineering Controls Provide sufficient general &/or local exhaust ventilation to maintain exposure below recommended exposure limits. Vapors are heavier than air & may spread along floors. Provide fresh air entry during application & curing. Eye wash fountain should be located in immediate work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Use approved safety goggles or safety glasses. If necessary, refer toappropriate regulations & standards.

Skin and Body Protection Skin: Wear chemical impervious gloves (eg: Nitrile or Neoprene). Use triple gloves for spill response. If necessary, refer to appropriate regulations & standards.

Body: Use protection appropriate for task (eg: lab coat, coveralls, Tyvek suit). If necessary, refer to OSHA Technical Manual (Sec. VII: Personal Protective Equipment) orappropriate Standards of Canada. Use foot protection, as described in appropriate regulations & standards.

Respiratory Protection If watering of eyes experienced, headache or dizziness or if used in workplace & air monitoring indicates vapor levels above exposure limits, use NIOSH approved respiratory protection in accordance w/ Federal, State & Local requirements. Consult safety equipment supplier & OSHA Regulation 29 CFR 1910.134 for respirator requirements.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice. Remove & wash contaminated clothing before reuse. Wash hands before breaks & @ end ofworkday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Viscous paste		
Appearance	Clear viscous	**Odor**	Solvent
Color	Clear	**Odor Threshold**	Not determined

Property	**Note: The information below is not intended for use in preparing product specifications**	**Remarks • Method**
pH	Not applicable	
Melting Point/Freezing Point	Not established	
Boiling Point/Boiling Range	> 87.77 °C / >190 °F	
Flash Point	< 37.77 °C / < 100 °F	CC (closed cup)
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	~8.0%	
Lower Flammability Limit	~1.0%	
Vapor Pressure	Not available	
Vapor Density	Heavier than air (>1)	
Specific Gravity	~0.75-1.25 (calculated)	
Water Solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not available	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	37%	
VOC Content	<400 g/L	
Density	~ 1.20 g/cm3 @ 68°F (20 C)	

10. STABILITY AND REACTIVITY

Reactivity
Not reactive under normal conditions.

Chemical Stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid
Incompatible Materials. Heat, sparks & open flame.

Incompatible Materials
Strong oxidizing agents, Caustics.

Hazardous Decomposition Products
Nitrogen oxides (NOx). Carbon oxides.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes serious eye irritation. Eye contact may result in tearing, redness & pain.

Skin Contact Causes skin irritation. May be harmful in contact with skin. Repeated skin contact may cause dermatitis.

Inhalation Harmful if inhaled. May cause irritation of respiratory tract.

Ingestion May be fatal if swallowed and enters airways.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Xylene 1330-20-7	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 5000 ppm (Rat) 4 h = 47635 mg/L (Rat) 4 h
Light aliphatic solvent naphtha 64742-48-9	> 5000 mg/kg (Rat)	> 3160 mg/kg (Rabbit)	-

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization Not known to be human skin or respiratory sensitizers.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Xylene 1330-20-7		Group 3		

IARC (International Agency for Research on Cancer)
Group 3 IARC components are "not classifiable as human carcinogens"

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure.

Chronic toxicity Reports have associated permanent brain & nervous system damage w/ prolonged & repeated occupational overexposure to solvents. Symptoms include: loss of memory, loss of intellectual ability & loss of coordination. Overexposure or misuse of Xylene can cause liver, kidney & brain damage as well as cardiac abnormalities & reproductive toxicity & is known to the State of California to cause cancer.

Target organ effects Acute: Eyes & Skin. Chronic: Skin.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity
Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Xylene 1330-20-7		13.4: 96 h Pimephales promelas mg/L LC50 flow-through 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 13.5 -17.3: 96 h Oncorhynchus mykiss mg/L LC50 13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static	EC50 = 0.0084 mg/L 24 h	3.82: 48 h water flea mg/L EC50 0.6: 48 h Gammarus lacustris mg/L LC50
Light aliphatic solvent naphtha 64742-48-9		2200: 96 h Pimephales promelas mg/L LC50		2.6: 96 h Chaetogammarus marinus mg/L LC50

Persistence/Degradability

Not tested for persistence & biodegradability.

Bioaccumulation

Not tested for bio-accumulation potential.

Mobility

Chemical Name	Partition Coefficient
Xylene 1330-20-7	3.15

Other Adverse Effects

Environmental Exposure Controls: Should be maintained so as to prevent release to the environment (atmospheric release, release to waterways & spills)

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

US EPA Waste Number

Not applicable

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Xylene 1330-20-7		Included in waste stream: F039		U239

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Xylene 1330-20-7	Toxic Ignitable

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No UN1993
Proper Shipping Name Flammable liquids, n.o.s. (Xylene, Petroleum Distillate)
Hazard Class 3
Packing Group III

IATA

UN/ID No UN1993
Proper Shipping Name Flammable liquids, n.o.s. (Xylene, Petroleum Distillate)
Hazard Class 3
Packing Group III

IMDG

UN/ID No UN1993
Proper Shipping Name Flammable liquids, n.o.s. (Xylene, Petroleum Distillate)
Hazard Class 3
Packing Group III
Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Xylene	Present	X		Present		Present	X	Present	X	X
Light aliphatic solvent naphtha	Present	X		Present		Present	X	Present	X	X
Non-hazardous Ingredients*	Present	X		Present			X	Present	X	X

Legend:

TSCA *- United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL *- Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS *- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

ENCS *- Japan Existing and New Chemical Substances*

IECSC *- China Inventory of Existing Chemical Substances*

KECL *- Korean Existing and Evaluated Chemical Substances*

PICCS *- Philippines Inventory of Chemicals and Chemical Substances*

AICS *- Australian Inventory of Chemical Substances*

US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Xylene 1330-20-7	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Xylene - 1330-20-7	1330-20-7	20	1.0

CWA (Clean Water Act)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Xylene	100 lb			X

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Xylene 1330-20-7	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazards**	**Flammability**	**Instability**	**Special Hazards**
	2	3	0	Not determined
HMIS	**Health Hazards**	**Flammability**	**Physical Hazards**	**Personal Protection**
	2	3	0	X

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet