Tru-Bond™ PB 950

Stock Number:
18204

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Tru-Bond™ PB 950

Chemical Name: N/A

CAS NO.: N/A

Application: Adhesive

HMIS

Health	2*
Flammability	1
Reactivity	2
Personal Protection	X

Manufacturer: ITW Performance Polymers (Wujiang) CO.LTD.

Address: No.4680 North Pangjin Road
Economic Development Zone
Wujiang, Jiangsu, China

Telephone: 0512-63488388 **Fax:** 0512-63091890

Emergency Phone Number: 86-532-83889090

CHEMTREC: For emergencies in US and Canada, call
CHEMTREC: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Constituent	CAS No.	Weight Percent	ACGIH TLV	OSHA PEL	Other Limits
High Boiling (Meth)acrylate monomers	Proprietary	30-60%	n/e	n/e	n/e
n-Decyl Acrylate	2156-96-9	10-30%	n/e	n/e	n/e
Acrylate monomer	2680-03-7	10-30%	n/e	n/e	n/e
n-Octyl Acrylate	2499-59-4	10-30%	n/e	n/e	n/e
Cellulose acetate butyrate ester	9004-36-8	1-5%	n/e	n/e	n/e
2-Hydroxy-2-methyl-1-phenyl-1-propanone	7473-98-5	1-5%	n/e	n/e	n/e

"TLV" means the Threshold Limit Value exposure (eight-hour, time-weighted average, unless otherwise noted) established by the American Conference of Governmental Industrial Hygienists. "STEL" indicates a short-term exposure limit. "PEL" indicates the OSHA Permissible Exposure Limit. "n/e" indicates that no exposure limit has been established. An asterisk (*) indicates a substance whose identity is a trade secret of our supplier and unknown to us.

3. HAZARDS IDENTIFICATION

Emergency Overview: WARNING! Irritant.

Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury.
Skin:	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling.
Inhalation:	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects.
Ingestion:	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

4. FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. FIREFIGHTING MEASURES

Flash Point:	>212°F (100°C)
Flash Point Method:	Setaflash
Auto Ignition Temperature:	Not determined.

Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO_2) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.

6. ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Other Precautions:	Pump or shovel to storage/salvage vessels. Add inhibitor to prevent polymerization.

7. HANDLING AND STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well-ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.

Hygiene Practices:	Wash thoroughly after handling.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Notes :	Only established PEL and TLV values for the ingredients are listed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Appearance:	Viscous. Liquid.
Color:	Clear
Odor:	Distinctive.

Boiling Point:	Not determined.
Melting Point:	Not determined.
Specific Gravity:	1
Solubility:	Soluble in ketones and oxygenated solvents
Vapor Density:	> 1 (air = 1)
Vapor Pressure:	0.01 mmHg @ 68° F
Percent Volatile:	<0.5
Evaporation Rate:	<1 (butyl acetate = 1)
pH:	Not determined.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	>212°F (100°C)
Flash Point Method:	Setaflash
Auto Ignition Temperature:	Not determined.
VOC Content:	< 1%
Percent Solids by Weight	>99 %

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Polymerization may occur under certain conditions.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Temperatures above 100 °F. Oxygen-free atmospheres or inert gas blanketing. Freezing conditions. Material can soften paint and rubber.
Incompatible Materials:	Oxidizing agents (e.g. peroxides, nitrates), reducing agents, acids, bases, azo-compounds, catalytic metals (e.g. copper, iron), and halogens. Free radical initiators. Oxygen scavengers.

11. TOXICOLOGICAL INFORMATION

n-Decyl Acrylate :

RTECS Number:	AS7400000

Skin:	Administration onto the skin - Rabbit LD50 : 6300 uL/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Open irritation test: 10 mg/24H [severe]
Ingestion:	Oral - Rat LD50 : 6460 mg/kg [Details of toxic effects not reported other than lethal dose value]

Acrylate monomer :

RTECS Number:	AU3230000
Eye:	Eye - Rabbit Standard Draize test.: 100 uL [mild]
Skin:	Administration onto the skin - Rabbit LD50 : 540 uL/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Liver - Other changes] Administration onto the skin - Rat TDLo : 6825 mg/kg/13W-I [Behavioral - Food intake (animal) Kidney, Ureter, Bladder - Other changes in urine composition Blood - Changes in platelet count]
Inhalation:	Inhalation - Rat LC50 : >776 ppm/1H [Lungs, Thorax, or Respiration - Fibrosis, focal (pneumoconiosis) Lungs, Thorax, or Respiration - Other changes]
Ingestion:	Oral - Rat LD50 : 316 mg/kg [Sense Organs and Special Senses (Eye) - Ptosis Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia] Oral - Mouse LD50 : 460 mg/kg [Behavioral - Altered sleep time (including change in righting reflex) Behavioral - Muscle weakness Behavioral - Irritability]

2-Hydroxy-2-methyl-1-phenyl-1-propanone :

RTECS Number:	UC2977245
Skin:	Administration onto the skin - Rat LD50 : 6929 mg/kg [Details of toxic effects not reported other than lethal dose value]
Ingestion:	Oral - Rat LD50 : 1694 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Liver - Other changes]

12. ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Number:	Not determined.

14. TRANSPORT INFORMATION

DOT Shipping Name:	Non regulated.
DOT UN Number:	Not applicable.
DOT Hazard Class:	Not applicable.
DOT Packing Group:	Not applicable.
IATA Shipping Name:	Non regulated.

15. REGULATORY INFORMATION

n-Decyl Acrylate :

TSCA Inventory Status:	Listed
Massachusetts:	Listed: Massachusetts Oil and Hazardous List
Pennsylvania:	Listed
Canada NDSL:	Listed

Acrylate monomer :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

n-Octyl Acrylate :

TSCA Inventory Status:	Listed
Pennsylvania:	Listed
Canada NDSL:	Listed

Cellulose acetate butyrate ester :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

2-Hydroxy-2-methyl-1-phenyl-1-propanone :

TSCA Inventory Status:	Listed
Canada DSL:	Listed
Canadian Regulations.	WHMIS Hazard Class(es): D2B

16. OTHER INFORMATION

HMIS Health Hazard:	2*
HMIS Fire Hazard:	1
HMIS Reactivity:	2
HMIS Personal Protection:	X
MSDS Creation Date:	December 30, 2010
MSDS Revision Date:	March 08, 2013
MSDS Author:	ITW PPFChina
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