

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPERATION AND THE COMPANY

Chemical Name	Waterborne Saturated Polyester Resin		
Product Name	WP-546		
Suggested usage and limitation	Binder for coatings		
Company identification :	Chan Sieh Enterprises Co., Ltd. 3F., 90, Sec. 2, Nanking E. RD., Taipei, Taiwan 104, R. O .C.		Tel:+886-2-2581-6516 Fax:+886-2-2531-7923
Emergency Phone / Fax :	Phone: +886-3-3866356 / Fax: +886-3-3869312		

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture	
Product definition	Substance
Classification according to regulation (EC) No.1272/2008 (CLP/GHS)	Not classified
Classification according to Directive 1999/45/EC (DPD)	Not classified
Labeling	
Hazard pictograms	Not applicable
Signal word	No signal word
Hazard Statements	powdered material may form dust-air mixtures.
Precautionary Statements	Prevent from breathing dusts-air. Handle with gloves and masks if necessary.
Other hazards	---

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical Characterization	Saturated Polyester Resin		
Composition	CAS Number	Percentage (%wt)	Hazard pictograms
Saturated Polyester	53508-40-5	70%	---
Butyl cellosolve	111-76-2	30%	---

4. FIRST AID MEASURES

Eye Contact	immediately flush with water for at least 15 minutes while holding eyelids open. Obtain medical attention if symptoms persist.
Skin Contact	wash with soap and water.
Inhalation	if symptomatic, remove to fresh air. Obtain medical attention if symptoms persist.
Ingestion	obtain medical attention immediately. Never induce vomiting in person who is convulsing or unconscious.
Most Important Symptoms and Effects	allergy to air-dust
Protection of The First-aid Personnel	masks if necessary.
Indication for physician	gastric lavage may be required if ingestion.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	water, carbon dioxide, foam, dry chemicals.
Special Hurt of Extinguishing	N/A
Special Fire-fighting Procedures	N/A
Protection for Fire-fighters	self-contained breathing apparatus and protective clothing to prevent contact with dusts and heat-released air emissions is recommended.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	none needed
Environment Precautions	none needed
Methods for Clean-up	vacuum, sweep up or scoop up and remove for regeneration or disposal.

7. HANDLING AND STORAGE

Handling	no special precautionary handling is needed under anticipated condition of use. Avoid dusts to contact with eyes. Avoid breathing dusts during processing.
Storage	store in original packages or sealed containers and keep the substance stored in a cool and dry place with adequate ventilation. Shelf life is one (1) years after production date. Product quality could be found stable two years longer if stored under stipulated conditions. Expired goods should be tested and evaluated prior to its use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering Control	local exhaust ventilation or explosion-proof equipment is needed in an attempt to maintain exposures below the regulatory or recommended limits.
Control Parameters	TWA / STEL / CEILING: N/A Biotic Index (BEI) : N/A
Personal Protection Equipment	
Respiratory Protection	not required for operations with sufficient ventilation
Hand Protection	protective gloves if necessary
Eye Protection	safety goggles if necessary
Skin Protection	long sleeve shirt if necessary
Hygienic Practices	clean and dry contaminated area is recommended

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance(at 25°C) : pale yellow liquid	Odor : odorless
Order Threshold : not applicable	Glass transition temperature : 38 °C
pH value : not applicable	Boiling point (at 760mmHg) : not applicable
Decomposition Temperature :	Flash point : not applicable
Auto ignition temperature : not applicable	Explosion limits : not applicable
Vapor pressure : negligible	Vapor Density : not applicable
Specific gravity : 1.23 (at 20°C)	Solubility in water(% by wt.) : not applicable
Partition Coefficient (n-octanol/water) : --	Evaporation rate (water = 1) : not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	stable
Hazardous Polymerization	will not occur
Condition to Avoid	high temperature
Incompatible Materials	tend to hydrolyze in caustic soda
Hazardous decomposition	none at ambient temperature. Decomposed products include C, H, and O of varying chemical structure and molecular weight may be released during combustion.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	N/A
Partial Effect	N/A
Sensitization	N/A
Chronic Toxicity	no data available
Other Toxicological information	N/A

12. ECOLOGICAL INFORMATION

Ecotoxicity	no data available
Persistence and Degradability	no data available
Bioaccumulative Potential	no data available
Mobility in Soil	no data available
Other adverse effects	N/A

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local regulations for non-hazardous solid waste.
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14. TRANSPORT INFORMATION

UN Number	not regulated
UN Transportation Name	not regulated
Transportation Hazard Code	not regulated
Packs The Category	not regulated
Marine Pollutant (Yes/No)	no
Specific transport measures and precautionary conditions	N/A

15. REGULATORY INFORMATION

Notification Status	
Australia AICS	On the inventory, or in compliance with the inventory.
Canada DSL	On the inventory, or in compliance with the inventory.
China IECSC	On the inventory, or in compliance with the inventory.
Japan AICS	On the inventory, or in compliance with the inventory.
Korea KECI	On the inventory, or in compliance with the inventory.

New Zealand NZIoC	On the inventory, or in compliance with the inventory.
Philippines PICC	On the inventory, or in compliance with the inventory.
Taiwan NECI	On the inventory, or in compliance with the inventory.
U.S.A. TSCA	On the inventory, or in compliance with the inventory.

16. OTHER INFORMATION

Disclaimer The information contained above is prepared in good faith and is the result of the most up-to-date available in our company. However, we extend no warranties and make no representations to the accuracy or completeness of this information contained herein, and assume no responsibility regarding the suitability of this information. The information given in this data sheet does not constitute or replace the user's own assessment of workplace risk as required by other health and safety legislation. Users should consider these data only as a supplement to other information gathered by them and must ensure that the information is suitable and complete in relation to the specific use of the product