

# Safety Data Sheet

## 1. Identification of the chemicals and of the business entity

**Chemicals Name:** SOLVENT FREE POLYUREA TOPCOAT

**Other Names:** CONTI ASP 7058

**Recommended use and restrictions on use:**Following Topcoat.

**The manufacturer, importer or supplier's name, address and telephone number:**

**Manufacturer:** YUNG CHI PAINT & VARNISH MFG CO., LTD.

**Address:**No. 26,28 Yen Hai 3rd Rd.,Xiaogang Dist.,Kaohsiung City 812,Taiwan

**Tel:** (07) 8713181-387

**Emergency contact phone numbers/fax numbers:**

P: 07-8713181\*387/F: 07-8715443

## 2. Hazard(s) identification

**Chemicals hazard classification:**

Serious eye damage/eye irritation Category 2A,

Specific target organ toxicity – repeated.Exposure Category 1,

Specific target organ toxicity - single exposure Category 3,

Hazardous to the aquatic environment, chronic toxicity Category 4.

Label content:



**Symbols:** health hazards, exclamation mark

**Police shows language:** Danger

**Hazard warning:**

Causes serious eye irritation.

Causes damage to organs through prolonged or repeated Exposure.

May cause respiratory irritation or drowsiness or dizziness.

May cause long lasting harmful effects to aquatic.

**Hazard precautions:**

Set the container in a cool, well-ventilated place.

Product away from ignition - No smoking, smoking

<p>ban.</p> <p>Avoid contact with eyes.</p> <p>Avoid release to the environment.</p> <p>Should wear appropriate protective equipment.</p>
Other hazards:---

**3. COMPOSITION/INFORMATION ON INGREDIENTS:**

**BASED:**

CHEMICAL NAME	CAS.NO	COMPOSITION
Polyaspartic Polyurea Resin	136210-30-5	90~98%
Di-isooctyl Terephthalate	6422-86-2	1~5%

**HARDENER:**

CHEMICAL NAME	CAS.NO	COMPOSITION
Polyisocyanate	9016-87-9	100%

**4. First-aid measures**

<p><b>First aid measures:</b></p> <p>Description of first aid measures</p> <p><b>inhalation:</b> If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.</p> <p><b>skin contact:</b> IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor/physician.</p> <p><b>eye contact:</b> In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.</p> <p><b>ingestion:</b> If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Immediately call a POISON CENTER or doctor/physician.</p>
<p><b>Most important symptoms and hazardous effects:</b> Vapors may cause headaches, fatigue, dizziness, blurred vision, numbness, nausea, central nervous system depression.</p>
<p><b>Protection for first-aid providers:</b> impervious to wear gloves to avoid</p>

contact with contaminants.

**Notes to physicians:** When if ingested, consider giving gastric lavage.

## 5. Firefighting measures

**Suitable fire extinguishing media:** Foam. Carbon dioxide. Dry chemical.

### **Specific hazards regarding firefighting measures:**

High temperature will decompose to produce toxic gases, the scene of containers may rupture, explode.

### **Specific methods regarding firefighting measure:**

**Fire hazard:** Products of combustion may include, and are not limited to: oxides of carbon. Phenolics. Reactivity : No dangerous reaction known under conditions of normal use.

**Reactivity :** No dangerous reaction known under conditions of normal use.

**Advice for firefighters Protection during firefighting :** Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Use water spray or fog for cooling exposed containers.

## 6. Accidental release measures

**Personal precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental precautions:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

**Methods for cleaning up:**

## 7. Handling and storage

**Precautions for safe handling Precautions for safe handling :** Avoid contact with skin and eyes. Avoid breathing dust, fume, gas, mist, vapours, spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. When mixed with epoxy curing agents this product causes an exothermic reaction, which in large masses, can produce enough heat to damage or ignite surrounding materials and emit fumes and vapors that vary widely in composition and toxicity. Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking. Contaminated work clothing should not be allowed out of the workplace.

**Storage:** Conditions for safe storage, including any incompatibilities Storage

conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and wellventilated place. Protect from moisture.

## 8. Exposure controls/personal protection

### Engineering control:

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

### Personal protective equipment :

**Respiratory protection** : If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Hand protection** : Protective gloves recommended.

**Eye protection** : Protective safety glasses recommended

**Skin and body protection** : Avoid skin contact.

### Hygiene measures:

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices

## 9. Physical and chemical properties:

Appearance: Based : Gray Hardener : Transparent liquid	Odor: Light Resins
Odor threshold: ---	Melting point: ---
pH value: ---	Boiling point/boiling point range: °C
Flammability (solid, gas) ---	Flash point: Based : >200 °F Hardener : >400 °F
Decomposition temperature:	Explosion limits: ---
Auto-ignition temperature: ---	Vapor density: ---
Vapor pressure: ---	Solubility: non-soluble
Density: Based : 1.06 Hardener : 1.1	Evaporation rate: ---
Partition coefficient (n-octanol/water, logKow): ---	

## 10. Stability and reactivity

**Reactivity** : Hazardous Polymerization will not occur.

**Chemical stability** : Stable under normal circumstances.

<b>Possible hazardous reactions occurring under specific conditions :</b> No available information
<b>Conditions to avoid :</b> Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
<b>Materials to avoid :</b> Reactive or incompatible with the following materials: water, acids, oxidizing materials, strong alkalis.
<b>Hazardous decomposition products :</b> ---

### 11. Toxicological information

<b>Routes of exposure:</b> Skin, inhalation, ingestion, eye.		
<b>Symptoms:</b> Irritation, drowsiness, headache, fatigue, dizziness, blurred vision, numbness, nausea, incoordination, central nervous system depression, unconsciousness, balance disorders, shortness of breath.		
Acute toxicity: BASED:		
	LD50 (oral, rat)	LC50 (smell, rat)
Amine-Terminated Resins	480mg/kg	---
HARDENER:		
	LD50 (oral, rat)	LC50 (smell, rat)
Polyisocyanate	490mg/kg	
<b>Chronic toxicity or long-term toxicity:</b> 1. The nervous system: chronic central nervous system damage, memory loss, disturbed sleep, lack of concentration and willpower incoordination. 2. Long-term exposure may affect hearing. 3. cause dermatitis (skin red, itchy, dry).		

Amine-Terminated Resins

### 12. Ecological information:

<b>Ecotoxicity:</b> ---
<b>Persistence and degradability:</b> ---
<b>Bio accumulative potential:</b> ---
<b>Mobility in soil:</b> ---
<b>Other adverse effects:</b> ---

### 13. Disposal considerations

<b>Waste treatment methods</b>	<b>Product/Packaging disposal</b>
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**recommendations** : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

#### 14. Transport information

**United Nations number (UN No):** ---

**UN Proper shipping name:** ---

**Transport hazard class(es):** ---

**Packing group:** ---

**Marine pollutant (Yes/No):**NO

**Specific transport measures and precautionary conditions:**---

#### 15. Regulatory information

**Applicable regulations:** Occupational Safety and Health Act Toxic and Concerned Chemical Substances Control Act Standards of Permissible Exposure Limits of Airborne Hazardous Substances in Workplace Regulations for the Labeling and Hazard Communication of Hazardous Chemicals Regulations Governing Designating and Handling of Priority Management Chemicals

#### 16. Other information

Literature references	Chemicals Globally Harmonized System (GHS) Website Library Disaster Prevention and Relief of toxic chemicals Executive Yuan Yi system library search EPD Southern District Environmental poison disaster contingency team website database	
Organization that prepared the SDS	<b>Manufacturer:</b> YUNG CHI PAINT & VARNISH MFG CO., LTD.	
	<b>Address:</b> No. 26, Yen Hai 3rd Rd.,Xiaogang Dist.,Kaohsiung City 812,Taiwan	
Person who prepared the SDS	Title: EHS	Name (signature): Suen Wu Jeng

Date that the SDS was prepared:	2025.11.26
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