



## SAFETY DATA SHEET

### **COSMO-POLYURETHANE** **ALIPHATIC POLYURETHANE-BASED COATING**



#### **1: Product and Manufacturer Identification**

<b>Name:</b>	COSMO-POLYURETHANE
<b>Lines of Use:</b>	Industrial and marine
<b>Applications:</b>	COSMO-POLIURETHANE is applied over a suitable anticorrosive or primer. It is used on metal structures and concrete exposed to industrial environments, as well as on bridges, chemical plants as well as on marine vessels to give a durable finish with good gloss retention. Provides good resistance to abrasion and chemicals.
<b>Manufacturer:</b>	COMMERCE S.A.C. (Calle Jorge Chavez, Mz. I Lote 1-B, PPJJ Santa Isabel de Villa, Santiago de Surco, Lima, 15058, Peru)
<b>Phone:</b>	+51 991.224.176 // +51 982.546.418
<b>E-mail:</b>	InfoPeru@CosmosCoatings.com

#### **2: Hazard Identification**

**For humans:** (i) Inhalation – May cause headache, dizziness, allergic reaction and/or irritate the respiratory tract. (ii) Skin contact – May cause irritation. (iii) – Eye contact – May cause severe eye irritation. (iv) – Ingestion – May cause nausea, dizziness, vomiting and loss of consciousness.

**For the environment:** It can affect marine life if dumped in high concentrations.

### **3: Composition / Ingredient Information**

ITEM	NOMBRE	NÚMERO DE CAS	COMPOSICIÓN
1	Resina Acrílica Hidroxilada	MEZCLA	40% - 50%
2	Isocianatos	MEZCLA	15% - 25%
3	Dióxido	MEZCLA	15% - 20%
4	Cargas	MEZCLA	5% - 10%
5	Solventes	MEZCLA	5% - 10%
6	Aditivos	MEZCLA	1% - 5%

### **4: First Aid Measures**

**In case of inhalation:** Go outside and breathe plenty of fresh air. If serious discomfort persists, then seek medical attention.

**In case of contact with skin:** Wash the affected area with soap and water. If irritation persists, seek medical attention.

**In case of contact with eyes:** Immediately flush affected eyes with plenty of water for at least 15 minutes and seek medical attention immediately.

**In case of ingestion:** Drink plenty of water and seek medical attention immediately.

### **5: Firefighting Measures**

**Extinguishing agents:** Water, film-forming foaming agents, carbon dioxide (CO<sub>2</sub>), dry chemical powder (DCP), water mist.

**Considerations for extinguishing fire:** Evacuate danger area and call an emergency center. Wearing respiratory protection and firefighting equipment, position yourself downwind and spray from a safe distance.

**Specific considerations for packaging:** Cool metal containers to prevent them from overheating.

**Flash point (°F):** Not available

**Auto-ignition point (°F):** Not available

**Explosion risk:** If tin containers are subjected to overheating above 194 °F / 90 °C, internal pressure could be caused, causing a vapor explosion. Cool containers to prevent them from bursting.

**Fire prevention:** Do not use the product near fire or sparks.

**Emergency center:** # 911 (or U.S. Fire Administration # 800.238.3358 / # 301.447.1000).

### **6: Measures Against Spills and Leaks**

**Protection measures:** Staying upwind, ventilate the area by opening doors and windows; Make sure there are no sparks or open flames.

**Protection equipment:** Use appropriate equipment such as gloves, mask, glasses and work clothes.

**Environmental protection measures:** Do not throw into sewers, rivers, lakes or sea.

**Cleaning measures:** Use absorbent material (e.g. sand) and shovel or sweep metal deposits.

**Disposal measures:** The product should be left in closed metal containers for disposal according to local regulations.

## 7: Handling and Storage

**Technical recommendations:** Store away from ignition sources and in places with good ventilation.

**Precautions:** Protect metal containers from physical damage as well as static electricity.

**Handling:** Wear chemical protection glasses, nitrile gloves and, if necessary, a respirator with vapor filters.

**Storage:** Store in ventilated places and at room temperature (68 – 77 °F / 20 – 25 °C). Take precaution with vehicles parked in direct sunlight with the product inside as there may be an increase in pressure with the product coming out of the lid.

**Appropriate packaging:** Use metal containers and keep them closed when not in use.

## 8: Personal Protection Measures

**Respiratory protection:** Activated carbon filters for vapors.

**Protection gloves:** Nitrile or neoprene gloves.

**Eye protection:** Lenses with side shields.

**Ventilation:** Access to good air quality / natural ventilation.

## 9: Physical and Chemical Properties

**Solids in volume:** 65% ± 2

**Typical Thickness:** 2.0 – 3.0 Mils DRY (4.0 – 6.0 Mils WET)

**Theoretical performance:** 525.3 sq ft (48.8 m<sup>2</sup>) / gal At 2 Mils DRY (WITHOUT CONSIDERING LOSSES DUE TO APPLICATION AND TRANSFER OF THE PRODUCT)

**Volatile content (VOC):** 268 g/L

**Storage:** 1 YEAR IN A COOL ENVIRONMENT, PART A; 6 MONTHS IN A COOL ENVIRONMENT, PART B

**Lead and chromium free product**

## 10: Stability and Reactivity

**Stability:** Stable product.

**Conditions to avoid:** Avoid exposing the product to flames, sparks or high temperatures.

**Hazardous decomposition products:** Does not decompose into dangerous products.

**Hazardous combustion products:** When heated it emits irritating vapors.

**Dangerous polymerization:** Non-existent.

## 11: Toxicological Information

EXPOSURE LIMITS					TOXICITY	
ACGIH		OSHA			LD50	LC50
	TLV-TWA	TLV-TWA	PEL-TWA	PEL-TWA		
*	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	g/kg	ppm
1	N.D.	N.D.	N.D.	N.D.	2.00	N.D.
2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
3	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.

4	N.D.	2.00	N.D.	N.D.	2.00	4.00
5	100.00	434.00	N.D.	0.10	4.3	21.8
6	N.D.	3.5	N.D.	N.D.	N.D.	N.D.

\*Same order of presentation of Section 3: Composition / Ingredient Information

## 12: Environmental Information

**Environmental degradability:** It fully degrades.

**Effects on the environment:** It may affect marine life if dumped in high concentrations.

**Environmental protection measures:** Do not throw into sewers, rivers, lakes or sea.

## 13: Disposal Considerations

**Waste disposal process:** Proceed in accordance with regional and local regulations.

## 14: Transport Information



**Transport label:** Paints, Flammable.

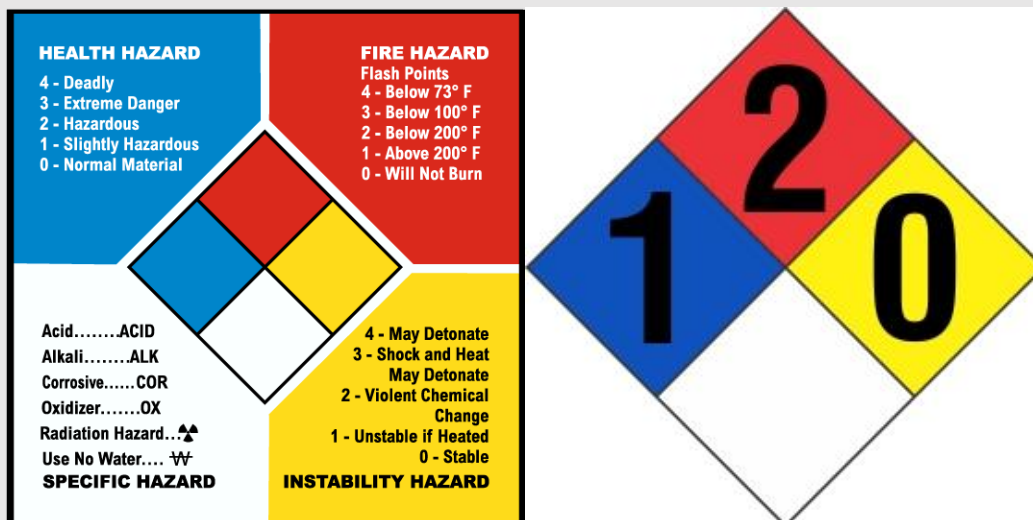
**UN NUMBER:** UN 1263.

**Class:** 3.

**Packing group:** III.

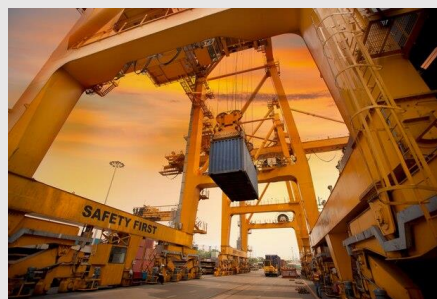
**Additional Information:** Dangerous merchandise.

## 15: Regulatory / NFPA Information



## **16: Additional Information**

The information in this Safety Data Sheet is based on current knowledge and current legislation. It is the user's responsibility to take appropriate measures in order to comply with any requirements established within their industry under current legislation. The information represents a guide to the safety requirements of the product and should not be considered as a guarantee of its properties.



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