

# MATERIAL SAFETY DATA SHEET

HONY ENGINEERING PLASTICS LIMITED

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## MSDS

MSDS NO.

HL-MSDS-H001

Version NO.

HL2019

## HONY®TURCITE A & TURCITE X

Preparation Date

2009.08

Amendment Date

2019.05

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### Section 1. Chemical, Product and Company Identification

<b>Chemical English Name</b>	Turcite A & Turcite X	<b>Short Name</b>	Turcite A & Turcite X
<b>Manufacturer</b>	Hony Engineering Plastics Co.,Ltd.		
<b>Address</b>	3rd Floor, Building 9, Wu shi gang Industrial Zone, Gao feng Street, Da lang Street, Long hua District, Shenzhen, China 518109		
<b>Emergency Contact</b>	TEL: 0755-21083661	FAX: 0755-21082346	

### Section 2. Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity , Common Name(s) )	OSHA PEL	ACGIH TLV	Other Limits Recommended %(optional)
This information is proprietary and is not hazardous as shipped. If heated during use, decomposition products may be liberated which are harmful if inhaled. Machining of this material may generate airborne fibers and particulates which can irritate the eyes and respiratory tract. Refer to Section 5 (Reactivity Data) of this MSDS for Combustion or Decomposition Product Data.			

### Section 3. Physical/Chemical Characteristics

Boiling Point(°C)	N/A	Specific Gravity ( H <sub>2</sub> O =1 )	1.46
Vapor Pressure ( mm Hg )	N/A	Melting Point	329-347
Vapor Density ( AIR = 1 )	N/A	Evaporation Rate (Butyl Acetate=1 )	N/A

Solubility in Water  
Insoluble

Appearance and Odor

Turcite A - Blue Solid    Turcite X - Red Solid

### Section 4. Fire and Explosion Hazard Data

Flash Point(Method Used)> 200 Unknown	Auto Ignition Temp F:	Flammable Limits Unknown	LEL N/A	UEL N/A
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Extinguishing Media : CO<sub>2</sub> or Dry Chemical may be used .

Special Fire Fighting Procedures :

Self contained breathing apparatus (SCBA) with full face piece and protective clothing may be needed for large fires.

Unusual Fire and Explosion Hazards :

Above 800°F this material may undergo degradation to compounds which may result in the temporary influenza-like symptoms described in section 6.

### Section 5. Reactivity Data

Stability :	Stable	Conditions to Avoid :
		Do not heat above 460°F , avoid prolonged exposure to temperatures above 380°F

Incompatibility ( Material to Avoid ) :

Strong acids and oxidizing agents . Do not compound with PVC .

Hazardous Decomposition or Byproducts :  
 Major- Carbon Monoxide  
 Minor-Trioxane,Formaldehyde,Tetrafluoroethylene(>800°F),Carbonyl Fluoride(>932°F) and hydrogen fluoride (>932°F hydrolysis in moist atmosphere) & perfluoroisobutylene(>617°F) which can be fatal at low concentrations , Carbon Dioxide , Silicon Dioxide.

Hazardous Polymerization	Will Not Occur	Conditions to Avoid : N/A
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**Section 6. Health Hazard Data**

Route(s) of Entry	Inhalation	Skin	Ingestion
	Dusty Conditions	Powder Form	Powder Form

Health Hazards(Acute and Chronic):  
 General:  
 Toxicity information is not available for this compounded material.This health Hazard assessment is based on information available for the individual ingredients in the compound.No specific information is available regarding the chronic effects of exposure to this compound . However , one of the hazardous decomposition products , formaldehyde , is considered a potential cancer hazard by OSHA , NTP and IARC , ( see OSHA recommended exposure limits shown below ).

Inhalation :  
 No toxic effects are known to be associated with the inhalation or ingestion of airborne respirable frbers during machining operations such as cutting , machining , grinding,crushing or sanding .However , particular fillers can irritate upper respiratory passages . Repeated and prolonged inhalation of excessive concentration of respirable fiber may cause permanent lung injury. Machining procedures should be reviewed to assure that particulate levels are kept below recommended exposure limits listed below. Inhaling fumes of decomposition products can cause temporary influenza-like symptoms described as " Polymer Fume Fever" and may include but not be limited to : fever , cough and malaise.

Recommended exposure limits :  
 OSHA PEL : 15mg/m<sup>3</sup> total dust , 5 mg/m<sup>3</sup> respirable dust , 3 ppm hydrogen fluoride , 1 ppm ( TWA ) ,2 ppm ( STEL ) formaldehyde.  
 ACGIH TLV : 10mg/m<sup>2</sup> total dust , 5 mg/m<sup>2</sup> respirable dust

Carcinogenicity	NTP	IARC Monographs	OSHA Regulated
Yes	NO	NO	Yes

Signs and Symptoms of Exposure  
 Eyes-May cause mild eye irritation and redness  
 Skin-May be a mild skin irritant (redness) after prolonged contact  
 Inhalation-Avoid breathing product dust  
 Medical Conditions Generally Aggravated by Exposure - Pre-Existing skin or respirator conditions may be aggravated by exposure

Emergency and First Aid Procedures :  
 Skin : Wash material off of the skin with plenty of soap and water .If redness , itching or burning sensation develop , get medical attention . For thermal burns , cool quickly with water and get medical attention .  
 Eyes : Immediately flush with copious amounts of water for at least 15 minutes and have eyes examined and treated by medical personnel .  
 Inhalation : Remove to fresh air and seek medical attention .

Steps to Be Taken in Case Material Is Released or Spilled :  
 Sweep up to prevent slipping hazard .

Ventilation and engineering controls :  
 Use mechanical methods to control dust when processing .Provide local exhaust to remove decomposition products and control exposure levels .

Waste Disposal Method :  
 Disposal must be in accordance with federal , state and local regulations .Discarded product is not a hazardous waste under RCRA 40 CFR 261 .

Precautions to Be Taken in Handling and Storing :  
 Store in cool dry place . Do not smoke in areas where polymers are handled or stored .

Other Precautions :  
None

**Section 7. Control Measures**

Respiratory Protection ( Specify Type ) :  
Wear NIOSH approved respiratory protection if potential exists for irritation of nasal passages due to exposure to dust or vapors .

Ventilation	Local Exhaust	Speical	
	Mechanical ( General )	Other	
Protective Gloves	Nitrile	Eye Protection	Safety Glasses
Other Protective Clothing or Equipment	None		
Work / Hygienic Practices	None		

**Section 8. Regulatory Information**

DOT Proper Shipping Name:  
This material is not regulated .

TSCA Status : All of the individual ingredients in this compound are listed on the TSCA inventory .

SARA Title III Section 313 : This compound contains cadmium , selenium , barium and zinc compounds , ( combined total content is 0.1% - 0.5% by weight ) , subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Kown Act of 1986 and of 40 CFR 372 .

**IN CASE OF EMERGENCY CALL HONY ENGINEERING PLASTICS CO.,LTD. AT +86 755 21083661**