

# Safety Data Sheet

## Section I - Product & Company Information

**Product Name:** PC-5 Black

Acrymax Technologies, Inc.  
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Media, PA 19063

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In an emergency, contact Chemtrec: 800.424.9300

**Product Use:** Protective Coating

## Section II - Hazards Identification

**GHS Ratings:**

<p>Flammable liquid Skin Irritant</p>	<p>3 2</p>	<p>Flash point <math>\geq 23^{\circ}\text{C}</math> and <math>\leq 60^{\circ}\text{C}</math> (140°F) Reversible adverse effects in dermal tissue, Draize score: <math>\geq 2.3 &lt; 4.0</math> or persistent inflammation</p>
<p>Eye Irritant Carcinogen Aspiration hazard</p>	<p>2A 1A 1</p>	<p>Eye irritant: Subcategory 2A, Reversible in 21 days Known Human Carcinogen Based on human evidence Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity <math>\leq 20.5</math> mm<sup>2</sup>/s at 40° C.</p>

**GHS Hazards**

H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H350	May cause cancer

**GHS Precautions**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/ sparks/ open flames/ hot surfaces - No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ ventilating/ light/ equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P264	Wash hands thoroughly after handling
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection when using this product
P281	Use personal protective equipment as required
P321	Specific treatment (see first aid measures on Safety Data Sheet)
P331	Do NOT induce vomiting
P362	Take off contaminated clothing and wash before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P370+P378 In case of fire: Use alcohol resistant foam, carbon dioxide, or dry chemical for extinction

P405 Store locked up

P403+P235 Store in a well ventilated place. Keep cool

P501 Dispose of contents/container in accordance with all local, state, federal and international regulations.

**Signal Word: Danger**



### Section III - Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Xylene	1330-20-7	50.00% - 60.00%
Oderless Mineral Spirits	64741-65-7	5.00% - 10.00%
Black Iron Oxide	12227-89-3	1.00% - 5.00%
Magnesium Oxide	1309-48-4	1.00% - 5.00%
Titanium Dioxide	13463-67-7	0.10% - 1.00%
Silicon Dioxide	14808-60-7	0.10% - 1.00%

**(1) There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or environment and hence require reporting section**

**(2) Occupational exposure limits, if applicable, are listed in Section 8**

### Section IV - First Aid Measures

**Inhalation:** If affected, remove from exposure. Restore breathing. Get medical attention.

**Eye Contact:** Flush eyes with large amount of water for 15 minutes while holding eye lids open. Get medical attention.

**Skin Contact:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**Ingestion:** Do not induce vomiting. Call poison control and/or seek medical attention immediately.

**Notes to Physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

## Section V - Fire Fighting Measures

**Flash Point:** 25 C (77 F)

**LEL:** 1.00

**UEL:** 7.00

**Extinguishing Media:** Carbon Dioxide, Dry Chemical, or Alcohol Resistant Foam

**Special Hazards:** Closed containers may explode (due to the build-up of pressure) when exposed to heat.

**Special Firefighting Equipment & Procedures:** Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible explosion when exposed to extreme heat

## Section VI - Accidental Release Measures

### **STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Remove all sources of ignition. Ventilate the area. Dike around spill and absorb liquids with absorbent. Sweep up and shovel into suitable containers for disposal. Stop spill from entering drains, sewers, streams, or waterways. Affected spill area may be slippery. Wear appropriate personal protection equipment while in affected area.

## Section VII - Handling & Storage

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE**

Do not store near heat, spark, or open flame. Close container and keep upright to prevent leakage. Keep out of reach of children. Transfer only to approved containers with complete and appropriate labeling.

## Section VIII - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits
Xylene 1330-20-7	100 ppm TWA 435 mg/m <sup>3</sup> TWA	100 ppm TWA 150 ppm STEL
Oderless Mineral Spirits 64741-65-7	100 ppm TWA	Not Established
Black Iron Oxide 12227-89-3	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup> (total dust) 3 mg/m <sup>3</sup> (respirable fraction)
Magnesium Oxide 1309-48-4	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)
Titanium Dioxide 13463-67-7	15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (respirable fraction)	10 mg/m <sup>3</sup>
Silicon Dioxide 14808-60-7	30 mg/m <sup>3</sup> / (% SiO <sub>2</sub> +2)	0.025 mg/ m <sup>3</sup>

### **PRECAUTIONS TO BE TAKEN IN USE:**

Use only with adequate ventilation

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating contains materials classified as nuisance particles which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in this section, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

**Ventilation:** Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

**Work/ Hygienic Practices:** Wash hands before eating, smoking or using the wash room after use of this product. Do not consume food or beverages where this product is handled.

**Respiratory Protection:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

**Protective Gloves:** Required. Use neoprene or rubber gloves to prevent skin contact.

**Eye Protection:** Wear safety spectacles with sideshields.

**Other Protective Clothing or Equipment:** Use disposable or impervious clothing if work clothing contamination is likely. Availability of eye wash and shower stations recommended.

## Section IX - Physical & Chemical Properties

<b>Appearance:</b> Liquid	<b>Odor:</b> No Data
<b>Vapor Pressure:</b> No Data	<b>Odor threshold:</b> No Data
<b>Vapor Density:</b> Heavier than Air	<b>pH:</b> N/A
<b>Specific Density:</b> 1.03	<b>Freezing point:</b> N/A
<b>Solubility:</b> No Data	<b>Boiling range:</b> 137°C
<b>Flash point:</b> 25°C, 77°F	<b>Evaporation rate:</b> No Data
<b>Flammability:</b> Flammable Liquid	<b>Explosive Limits:</b> 1% - 7%
<b>Autoignition temperature:</b> 282°C	<b>Decomposition temperature:</b> No Data
<b>Viscosity:</b> No Data	<b>Grams VOC less water:</b> 640 g/L
<b>Partition coefficient (n-octanol/water):</b> No Data	

## Section X - Stability & Reactivity

**Stability:** STABLE

**Conditions to avoid:** Freezing temperature; Heat, flames & sparks.

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** Carbon Monoxide; Carbon Dioxide

## Section XI - Toxicological Information

**Mixture Toxicity:** No Data Available

### Component Toxicity

1330-20-7	Xylene Oral LD50: 3 g/kg (Rat)
1309-48-4	Magnesium Oxide Oral LD50: 3,990 mg/kg (Rat)
13463-67-7	Titanium Dioxide Oral LD50: 5,000 mg/kg (Rat) Inhalation LC50: 7 mg/L (Rat)

### Effect of Overexposure:

Eye and nasal irritation, headache, dizziness, nausea, difficulty breathing, itching or burning eye skin.

**Carcinogenicity:** Although IARC has classified titanium dioxide as possibly carcinogenic to humans (Category 2), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

## Section XII - Ecological Information

**Mixture Ecotoxicity:** No Data Available

### Component Ecotoxicity

Xylene	Toxic to aquatic life
Titanium Dioxide	LC50/ 96 h/ Fathead Minnow: > 1,000 mg/L

## Section XIII - Disposal Considerations

**Waste Disposal Method:** Dispose of in accordance with International, Federal, State/Provincial, and Local regulations regarding pollution. Local requirements may vary, consult your local sanitation and/or state designated environmental protection agency for disposal options.

## Section XIV - Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint, Flammable	UN1263	PG III	3

## Section XV - Regulatory Information

**OSHA:** This mixture is considered to be hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

**US Toxic Substance Control Act:** All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory

**SARA Section 311/312:** This product contains the following ingredients with the listed classifications and as such, is subject to the reporting requirements of Section 311/312 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372

64741-65-7 Oderless Mineral Spirits 5 to 10 % Fire Hazard  
1330-20-7 Xylene 50 to 60 % Fire Hazard, Acute Health Hazard, Chronic Health Hazard

**SARA Section 313:** This product contains the following ingredients and as such, is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act and 40 CFR 372

1330-20-7 Xylene 50 to 60 %

**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**State of New Jersey Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the New Jersey Hazardous Substance List:

14808-60-7 Silicon Dioxide  
13463-67-7 Titanium Dioxide  
12227-89-3 Black Iron Oxide  
64741-65-7 Oderless Mineral Spirits  
1330-20-7 Xylene

**Commonwealth of Pennsylvania Worker and Community Right-To-Know Act:** This product contains the following chemicals which appear on the Pennsylvania Hazardous Substance List:

13463-67-7 Titanium Dioxide  
14808-60-7 Silicon Dioxide  
12227-89-3 Black Iron Oxide  
64741-65-7 Oderless Mineral Spirits  
1330-20-7 Xylene

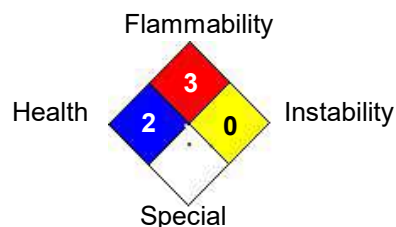
## Section XVI - Disclaimer & Other Information

Prepared by Acrymax Technologies, Inc. - Technical Department

### Hazardous Material Information System (HMIS)

HEALTH	*	2	<b>HMIS &amp; NFPA Hazard Rating Legend</b> * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY		3	
PHYSICAL HAZARD		0	
PERSONAL PROTECTION		H	

### National Fire Protection Association (NFPA)



The information contained herein relates only to the specific material identified. Acrymax Technologies Inc. believes that such information is accurate and reliable as of the date of this Safety Data Sheet, but no representation, guarantee or warranty, expressed or implied, is made as to the accuracy, reliability, or completeness of the information. Since conditions of use are out of our control, users assume all risks associated with the use of the material and are advised to confirm in advance that the information contained in this SDS is correct, applicable, and suitable to their circumstances.

Date revised: 2018-07-26

Revision number: 2.1