

## Section 1 – Identification

**Product Name:** MICRO PIGMENT ACRYLIC POLYMER

**Manufacturer:** NAI0 NAILS LTD

**Product Type:** ACRYLIC POLYMER

**Product Use:** NAIL POLYMER

**Product #:** CA-POLYMERS

1 COPELAND COURT  
RIVERSIDE PARK INDUSTRIAL ESTATE,  
MIDDLESBROUGH,  
CLEVELAND,  
TS2 1RN  
UNITED KINGDOM  
0333 12 11 10 9

## Section 2 – Hazards Identification

### EMERGENCY OVERVIEW

This information is based on findings from related or similar materials.

- May cause allergic skin reaction.
- May cause eye irritation.
- Dust may cause irritation of the nose, throat, and lungs.
- This product may contain particulate, not otherwise classified (Nuisance Dust)

### Potential Health Effects, Signs and Symptoms of Exposure:

**Primary Route of Entry** Eyes or skin (No absorption); inhalation of dust.

**Eye** Higher concentration can irritate eyes. May cause eye irritation or damage.

**Skin** Repeated or prolonged exposure may cause allergic skin rashes.

**Ingestion** Higher concentration can irritate respiratory system.

**Inhalation** Possible temporary discomfort due to inhalation of dust concentration above the permissible exposure limit. Dust may cause irritation of the nose, throat, and lungs.

**Sub-Chronic Effects** For Polymer: OSHA classifies this material as Particulates, Not Otherwise Classified. Eyes, skin and Respiratory tract may be irritated by gross overexposure to Particulates, Not Otherwise Classified, no matter how they are generated. Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

For Benzoyl Peroxide: repeated or prolonged contact may cause skin sensitization.

NOTE: Refer to Section 11, Toxicological Information for Details

## Section 3 – Composition/Information on Ingredients

Chemical Identity	CAS #	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Poly (ethyl methacrylate)	9003-42-3	N/E	Polyethylmethacrylate	N/E	N/E	Not Listed	65-99
Titanium Dioxide	13463-67-7	236-675-5	Titanium dioxide/CI77891	15 mg/m3	10 mg/m3	Group 3/no/no	0-1
Dibenzoyl Peroxide	94-36-0	202-327-6	Benzoyl peroxide	5 mg/m3	5 mg/m3	3/no/no	0-1

**May Contain the following:** Please see Section 16 for additional compounds

N/E – None Established      N/DA – No Data Available      This product is not considered hazardous by OSHA Hazard Communication Standard.  
N/R – Not Reviewed      N/A - Not Applicable

**Poly (ethyl methacrylate):** Hazard Symbol: N/E      Risk Phrases: N/E      Safety Phrases: S24/25  
Safety Phrases: S36/37

See Section 16 for Risk and Safety Phrase Key

**Section 4 – First Aid Measures**

First Aid for Eye	Flush with water for 15 minutes, including under eyelids. Get medical help if discomfort persists.
First Aid for Skin	Wash with soap and water. Get medical help if discomfort persists.
First Aid for Inhalation	Remove to fresh air. Get medical help if discomfort persists.
First Aid for Ingestion	Rinse mouth out with water. Call doctor if amount was large.

**Section 5 – Fire Fighting Measures**

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
TAG Closed: 580°F/304°C	N/A	N/E

**Method:**

Extinguishing Media:	Water, carbon dioxide, dry chemical.
Fire Fighting Instructions:	Avoid extinguishing methods that generate dust clouds. Water streams can disperse dust into air, producing a fire hazard and possible explosion hazard. Fire-fighters should wear self-contained breathing apparatus.
Unusual Hazards:	Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

**Section 6 – Accidental Release Measures**

Spill or Release Procedures	Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.
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**Section 7 – Handling and Storage**

Handling	Observe precautions found on the label. Wash face and hands thoroughly with soap and water after handling and before eating, drinking or smoking. Avoid prolonged or repeated contact with skin. Avoid contamination. Use only with adequate ventilation.
Storage	Store in cool, dry place away from heat, sparks, flame and direct sunlight. Close container after each use. Ground all metal containers when transferring. Use explosion-proof equipment Store away from combustibles and incompatible materials.
Explosion Hazard	Polymer dust is combustible, explosive limits of the polymer particles suspended in air are approximately those of coal dust.

**Section 8 – Exposure Controls / Personal Protection**

Engineering Controls	Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. Use explosion-proof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.
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**Personal Protective Equipment**

General	Dust collectors are recommended for handling powder in bulk.
Eye/ Face Protection	Use safety glasses and have eye flushing equipment immediately available.
Skin Protection	Minimize contamination by following good industrial practice. Wearing nitrile, neoprene, pvc, latex or other impermeable gloves is recommended.
Respiratory Protection	Avoid breathing dust and mist. Use dust mask.

**Section 9 – Physical and Chemical Properties**

<b>Appearance</b> Fine, white powder		<b>Odor &amp; Odor Threshold</b> Faint odor in bulk.		<b>pH</b> N/A	<b>Specific Gravity</b> N/A	<b>Viscosity</b> N/A	<b>% Volatile</b> N/A
<b>Boiling Point/ Freezing Point</b> N/A	<b>Decomposition Temperature</b> N/A	<b>Octanol/Water Partitioning Coefficient Log Po/w</b> N/A	<b>Vapor Pressure:</b> N/A	<b>Vapor Density</b> N/A	<b>Evaporation Rate</b> N/A	<b>Ignition</b> N/A	<b>Solubility In Water (20°C)</b> insoluble
<b>Flash Point (°F/°C)</b> TAG Closed: 580°F/304°C			<b>Flammable Limit (vol%)</b> N/A		<b>Auto-ignition Temperature (vol%)</b> N/E		

**Section 10 – Stability and Reactivity**

<b>Stability:</b> Stable	<b>Incompatibility (Materials to Avoid):</b> Strong oxidizing agents
<b>Hazardous Decomposition Products:</b> methacrylate monomers	<b>Hazardous Polymerization:</b> will not occur
<b>Conditions to Avoid:</b> Heating above 240 deg C , 464 deg F	

**Section 11 – Toxicological Information**

<b>Acute Oral Toxicity</b> LD50 Oral (Rat) : 7990mg/kg	<b>Acute Dermal Toxicity</b> LD50 Dermal (Rabbit): 35,500 mg/kg	<b>Acute Inhalation Toxicity</b> LC50 Inhalation (Rat) : >12,500 to 16,500 ppm for 0.5 hours	<b>Irritation – skin</b> Mild	<b>Irritation – Eye</b> mild
Since this product contains a very low concentration of active components, the primary toxicological information is derived from the copolymers. Further hazardous properties cannot be excluded. The product should be handled with care when dealing with chemicals.				
<b>Sensitization</b> No information available		<b>Mutagenicity</b> No information available		<b>Sub-chronic Toxicity</b> No information available

RTECS#: 9011-14-7: TR0400000

**Section 12 – Ecological Information**
**Ecotoxicological Information**

<b>Acute Toxicity to Fish</b> Flathead minnows and goldfish TLm24 : 420 ppm Bluegills TLm24 : 368 ppm	<b>Acute Toxicity to Invertebrates</b> N/DA	<b>Acute Toxicity to Algae</b> N/DA	<b>Bioconcentration</b> N/DA	<b>Toxicity to Sewage Bacteria</b> N/DA
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**Chemical Fate Information**

<b>Biodegradability</b>	N/DA
<b>Chemical Oxygen Demand</b>	N/DA

To the best of our knowledge, the ecotoxicological and chemical fate properties have not been thoroughly investigated. Do not allow to enter drinking water supplies, wastewater, or soil.

**Section 13 – Disposal Considerations**

May be disposed of in a landfill or incinerated. Follow Federal, State and Local regulations for disposal. For EU Member States, please refer to any relevant Community provisions relating to waste. In their absence, it is useful to remind the user that national or regional provisions may be in force.

**Section 14 – Transport Information**

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A

<b>Emergency Response Guidebook (ERG) #:</b>	N/A
<b>IATA (DGR):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
<b>Emergency Response Guidance (ICAO)#:</b>	
<b>IMO (IMDG):</b>	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
<b>Emergency Schedule (EmS)#:</b>	
<b>Other Information:</b>	<b>Flash point &gt; 100°C</b>

### Section 15 – Regulatory Information

#### US Federal Regulations

Clean Air Act: HAP/ODS	This product contains the following hazardous air pollutants (HAP's) or ozone depleting substances (ODS's), as defined by the U. S. Clean Air Act: <ul style="list-style-type: none"> <li>NONE</li> </ul>
Clean Water Act: Priority Pollutant	This product contains the following chemicals listed under the U.S. Clean Water Act Priority Pollutant List: <ul style="list-style-type: none"> <li>NONE</li> </ul>
FDA: Food Packaging Status	This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.
Occupational Safety and Health Act	This product is not considered a hazardous chemical under the OSHA Hazard Communication Standard.
RCRA	This product contains no chemicals considered to be hazardous waste under RCRA ( 40 CFR 261).
SARA Title III: Section 302 (TPQ)	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
SARA Title III: Section 302 (RQ)	This product contains no chemicals regulated under Sec. 304 as extremely hazardous chemicals for emergency release notification ( "CERCLA " List).
SARA Title III: Section 311-312:	This product does not contain hazardous substances under the OSHA Hazard Communication Standard, and is not regulated under Section 311-312 (40 CFR 370).
SARA Title III: Section 313:	This product contains the following chemicals outlined in SARA Title III: Section 313: <ul style="list-style-type: none"> <li>Benzoyl Peroxide CAS #94-36-0.</li> </ul>
TSCA Section 8(b): Inventory:	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
TSCA Significant New Use Rule:	None of the chemicals listed have a SNUR under TSCA.

#### State Regulations

CA Right-to-Know Law:	Benzoyl Peroxide CAS #94-36-0
California No Significant Risk Rule:	NONE
MA Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Benzoyl Peroxide CAS #94-36-0
NJ Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Benzoyl Peroxide CAS #94-36-0
PA Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Benzoyl Peroxide CAS #94-36-0
FL Right-to-Know Law:	Benzoyl Peroxide CAS #94-36-0
MN Right-to-Know Law:	Titanium Dioxide CAS #13463-67-7, Benzoyl Peroxide CAS #94-36-0

#### International Regulations

CDSL: Canadian Inventory (on Canadian Transitional List)	Polyethylmethacrylate CAS# 9003-42-3 is on the DSL List. WHMIS = n/da Titanium Dioxide CAS #13463-67-7, WHMIS = Not controlled. Benzoyl Peroxide CAS #94-36-0 is on the DSL list. WHMIS = C, D2B, B4
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Acrylates Copolymer CAS # 25035-69-2 is on the DSL list. WHMIS = n/da

**Labeling according to EC Directives – 1999/45/EC**

European Community:



**Colored Polymers:**

- HAZARD SYMBOLS: **Xi: Irritant**
- RISK PHRASES: **R36/37/38: Irritating to eyes, respiratory system and skin**
- SAFETY PHRASES: **S18: Handle and open container with care, S22: do not breath dust, S24/25: avoid contact with skin and eyes, S38: in case of insufficient ventilation, wear suitable respiratory equipment.**

**Section 16 – Other Information**

**EU Classes and Risk / Safety Phrases for Referenced Ingredients (See Section 2):**

**Hazard Symbol:**

Xn – Harmful substances or preparations

**Risk Phrase:**

R40 Limited evidence of a carcinogenic effect

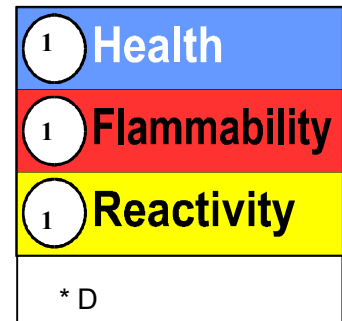
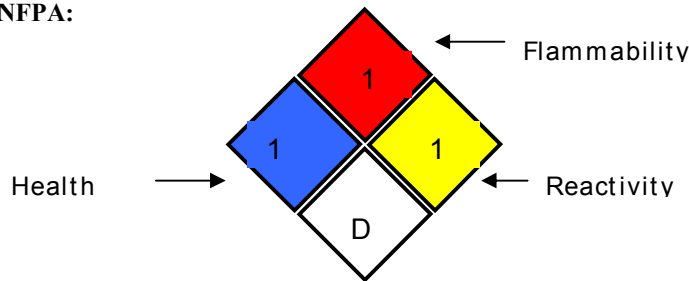
**Safety Phrase:**

S24/25 Avoid contact with skin and eyes; S36/37 Wear suitable protective clothing and gloves

**Hazard Rating System (Pictograms)**

NFPA:

HMIS:



\* - Respiratory protection may be necessary depending on conditions of use. Refer to Section VIII of this MSDS for respiratory protection guidelines.

**MAY CONTAIN THE FOLLOWING CHEMICALS:**

Chemical Identity	CAS Numbers	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/OSHA	%
Acrylates Copolymer	25035-69-2	N/E	Acrylates Copolymer	N/E	N/E	Not Listed	0-1
Carbon Black	1333-86-4	215-609-9	Carbon Black/CI77266	3.5 mg/m <sup>3</sup>	0.1 mg PAH's/m <sup>3</sup> carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)	Group 2B / A-4 / Possible Select Carcinogen	0-1
FD&C Blue #1	3844-45-9	223-339-8	Blue 1/CI42090	N/E	N/E	Not Listed	0-1
FD&C Yellow #5 Al Lake	12225-21-7	235-428-9	Yellow 5/CI19140	N/E	N/E	Not Listed	0-1

Date of Preparation: 22/01/2014

D&C Red #7	5281-04-9	226-109-5	Red 7/CI15850	N/E	N/E	Not Listed	0-1
D&C Red #30	2379-74-0	219-163-6	Red 30/CI73360	N/E	N/E	Not Listed	0-1
D&C Orange #5	596-03-2	209-876-0	Orange 5/CI45370	N/E	N/E	Not Listed	0-1
D&C Violet #2	81-48-1	201-353-5	Violet 2/CI60725	N/E	N/E	Not Listed	0-1
Iron Oxide Black	1317-61-9	215-277-5	Iron Oxide/CI77499	N/E*	N/E*	Not Listed	0-1
Polyethylene terephthalate	25038-59-9	N/E	Polyethylene terephthalate	N/DA	N/DA	N/DA	0-1
Red Iron Oxide	1382-37-2	215-570-8	Iron Oxide/CI77491	N/E*	N/E*	Not Listed	0-1
Yellow Iron Oxide	51274-00-1	257-098-5	Iron oxides/CI77492	N/E	N/E	Not Listed	0-1
Mica	12001-26-2	310-127-6	Mica	N/E	3 mg/m <sup>3</sup>	Not listed	0-1
N/E – None Established	N/DA–No Data Available						
N/R – Not Reviewed	N/A–Not Applicable						

OSHA PEL for nuisance dust: 15 mg/m<sup>3</sup> (total dust)  
5 mg/m<sup>3</sup> (respirable dust)  
ACGIH PEL for nuisance dust: 10 mg/m<sup>3</sup>