

**SAFETY DATA SHEET**

HD PROFESSIONAL NAIL SYSTEMS  
COLOUR ACRYLIC

**SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product name:** Colour Acrylic  
**Use of substance / mixture:** NAIL POLYMER  
Details of the supplier of the safety data sheet:  
**Company name:**

Hazel Dixon Nails Ltd  
Unit 4, Faraday Place,  
Thetford,  
Norfolk,  
IP24 3RG

**Tel** : +44 7494 470 168  
**Email** : hazeldixonnails@yahoo.co.uk

**Emergency tel:** +31 (0) 40 -2307559  
'Only for the purpose of informing medical personnel in cases of acute intoxications'.

**SECTION 2. HAZARDS IDENTIFICATION**

**2.1. 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)

**2.2. Potential Health Effects, Signs and Symptoms of Exposure**

<b>Primary Route of Entry</b>	Eyes or skin (No absorption); inhalation of dust.
<b>Eye</b>	Higher concentration can irritate eyes. May cause eye irritation of damage.
<b>Skin</b>	Repeated or prolonged exposure may cause allergic skin rashes.
<b>Ingestion</b>	Higher concentration can irritate respiratory system.
<b>Inhalation</b>	Possibly temporary discomfort due to inhalation of dust concentration above the permissible exposure limit. Dust may cause irritation of the nose, throat, and lungs.
<b>Sub-Chronic Effects</b>	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 decomposition product: Methyl Methacrylate Monomer; Liquid or high vapor concentration can irritate eyes, respiratory system and cause skin rashes. Prolonged exposure can lead to headaches, nausea, staggering gait, confusion, drowsiness and unconsciousness. Repeated and prolonged over exposure may cause permanent brain and nervous system damage, allergic skin rashes, eye corrosion and permanent injury, as well as changes in liver and kidney function or damage. 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
Poly (methyl methacrylate)	9011-14-7	N/E	Polymethyl Methacrylate	N/E	N/E	Group 3/no/ho	0-35
Titanium Dioxide	13463-67-7	236-675-5	Titanium dioxide/C177891	15 mg/m3	10mg/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
<b>May Contain the following:</b>				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					
<b>Poly (ethyl methacrylate):</b>		Hazard Symbol: N/E		Risk Phrases: N/E		Safety Phrases: S24/25	
<b>Poly (methyl methacrylate):</b>		Hazard Symbol: Xn		Risk Phrases: R40		Safety Phrases: S36/37	

NOTE: See Section 16 for Risk and Safety Phrase Key

### SECTION 4. FIRST AID MEASURES

#### 4.1. Description of first aid measures

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

### SECTION 5. FIRE-FIGHTING MEASURES

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

#### Method:

<b>Extinguishing Media</b>	Water, carbon dioxide, dry chemical.
<b>Fire Fighting Instructions</b>	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.
<b>Unusual Hazards</b>	Polymer dust is combustible. Polymer dust has the potential to ignite at temperatures above 480 °C. Avoid high temperatures and high static conditions.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

<b>Clean-up procedures</b>	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

### 7.1. Precautions for safe handling

<b>Handling requirements</b>	Observe precautions found on then 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.
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### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage conditions</b>	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..
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### 7.3. Specific end use(s)

<b>Explosion Hazard</b>	Polymer dust is combustible. Polymer dust has the potential to ignite at temperatures above 480 C. Avoid high temperatures and high conditions
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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Engineering Controls

<b>Engineering controls</b>	Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers. High temperature processing equipment should be well ventilated. All equipment must be grounded. Temperatures above 480 C must be avoided. Provide ventilation if necessary to control exposure levels below airborne exposure limits.
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### 8.2. Personal Protective Equipment

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

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical State</b>	Fine, white powder
<b>Form</b>	NA
<b>Odor</b>	Faint odor in bulk
<b>Boiling Point/Freezing Point</b>	NA
<b>Melting Point/range</b>	NA
<b>Flash point (°F/°C)</b>	TAG Closed: 580°F/304°C
<b>pH</b>	NA
<b>Evaporation rate</b>	NA
<b>Vapour pressure</b>	NA
<b>Vapour density</b>	NA
<b>Solubility In Water (20°C)</b>	insoluble
<b>Specific Gravity</b>	NA
<b>Viscosity</b>	NA
<b>% Volatile</b>	NA
<b>Decomposition Temperature</b>	NA
<b>Ignition</b>	NA
<b>Octanol/Water Partioning Coefficient (Log Po/w)</b>	NA
<b>Flammable Limit (vol%)</b>	NA
<b>Auto-ignition Temperature (vol%)</b>	NE

## SECTION 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

<b>Chemical stability</b>	Stable.
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### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Heating above 240 deg C, 464 deg F
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong oxidizing agents.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Methacrylate monomers
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#### 10.7. Hazardous Polymerization

<b>Hazardous Polymerization</b>	Will not occur
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### SECTION 11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation-skin	Irritation-Eye
LD50 Oral (Rat): 7990mg/kg	LD50 Dermal (Rabbit): 35,500 mg/kg	LC50 Inhalation (Rat): >12,500 to 16,500 ppm for 0,5 hour	Mild	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>		<b>Mutagenicity</b>	<b>Sub-chronic Toxicity</b>	
No information available		No information available	No information available	

RTEC#: 9011-14-7: TRO4000

### SECTION 12. ECOLOGICAL INFORMATION

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity To Algae	Bioconcentration	Toxicity to Sewage Bacteria
Flathead minnows and goldfish TL m24: 420 ppm Bluegills TL m24: 368ppm	N/DA	N/DA	N/DA	N/DA

#### 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

### 13.1. Waste treatment methods

<b>Disposal operations</b>	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.
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## SECTION 14. TRANSPORT INFORMATION

<b>DOT (49 CFR 172)</b>	
Proper Shipping Name	Non-Regulated Material
Identification Number	NA
Marine Pollutant	No
Special Provisions	NA
<b>Emergency Response Guidebook (ERG)#</b>	<b>NA</b>
<b>IATA (DGR)</b>	
Proper Shipping Name	Non-Regulated Material
Class or Division	NA
UN or ID Number	NA
Packaging instructions	
<b>Emergency Response Guidebook (ICAO)#</b>	
<b>IMO (IMDG)</b>	
Proper Shipping Name	Non-regulated Material
Class or Division	NA
UN or ID Number	NA
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

### 15.1. US Federal Regulations

<b>Clean Air Act: HAP/ODS</b>	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>
<b>Clean Water Act: Priority Pollutant</b>	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>
<b>FDA: Food Packaging Status</b>	This product has not been cleared by the FDA for use in food packaging and/ or other applications as an indirect food additive.
<b>Occupational Safety and Health Act</b>	This product is not considered a hazardous chemical under the OSHA Hazard Communication Standard.
<b>RCRA</b>	This product contains no chemicals considered to be hazardous waste under RCRA ( 40 CFR 261).
<b>SARA Title III: Section 302 (TPQ)</b>	This product contains no chemicals regulated under Sec. 302 as extremely hazardous substances.
<b>SARA Title III: Section 302 (RQ)</b>	This product contains no chemicals regulated under Sec. 304 as extremely hazardous chemicals for emergency release notification ( "CERCLA " List).
<b>SARA Title III: Section 311-312</b>	This product does not contain hazardous substances under the OSHA Hazard Communication Standard, and is not regulated under Section 311-312 (40 CFR370).
<b>SARA Title III: Section 313</b>	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>
<b>TSCA Section 8(b): Inventory</b>	This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.
<b>TSCA Significant New Use Rule</b>	None of the chemicals listed have a SNUR under TSCA.


## 15.2. State Regulations

<b>CA Right-to-Know Law California No Significant Risk Rule</b>	Benzoyl Peroxide CAS #94-36-0 NONE
<b>MA Right-to-know Law</b>	Benzoyl Peroxide CAS #94-36-0
<b>NJ Right-to-know Law</b>	Benzoyl Peroxide CAS #94-36-0
<b>PA Right-to-know Law</b>	Benzoyl Peroxide CAS #94-36-0
<b>FL Right-to-know Law</b>	Benzoyl Peroxide CAS #94-36-0
<b>MN Right-to-know Law</b>	Benzoyl Peroxide CAS #94-36-0

## 15.3 . International Regulations

<b>CDSL: Canadian Inventory (on Canadian Transitional List)</b>	Polymethyl methacrylate CAS# 9011-14-7 is on the DSL List. WHMIS = n/da Polyethylmethacrylate CAS# 9003-42-3 is on the DSL List. WHMIS = n/da Benzoyl Peroxide CAS #94-36-0 is on the DSL List. WHMIS = C, D2B, B4 Acrylates Copolymer CAS # 25035-69-2 is on the DSL List. WHMIS = n/da
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## 15.4. Labeling according to EC Directives – 1999/45/EC

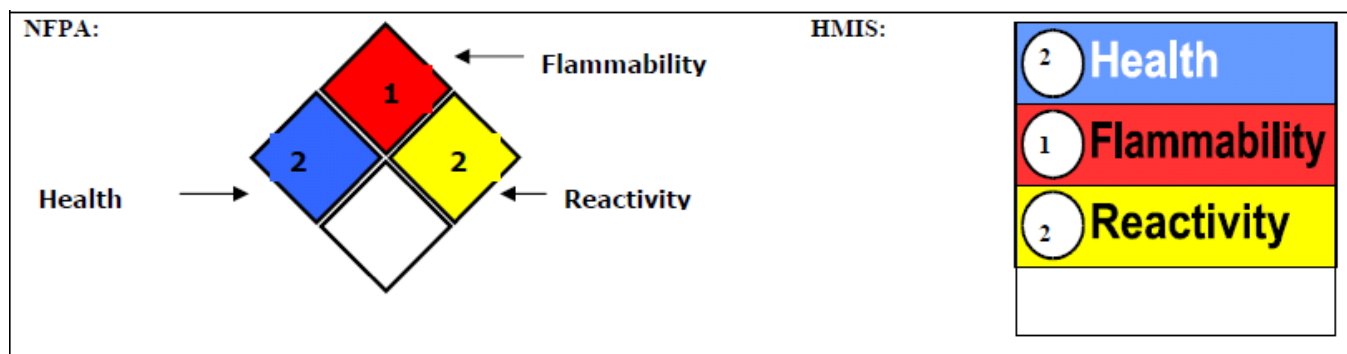
<b>European Community</b>  	<b>Colored Polymers</b> <ul style="list-style-type: none"> <li>• HAZARD SYMBOLS: <b>Xi</b>: Irritant</li> <li>• RISK PHRASES: <b>R36/37/38</b>: Irritating to eyes, respiratory system and skin.</li> <li>• SAFETY PHRASES: <b>S18</b>: Handle and open container with care, <b>S22</b>: do not breath dust, <b>S24/25</b>: avoid contact with skin and eyes, <b>S38</b>: in case of insufficient ventilation, wear suitable respiratory equipment.</li> </ul>
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## SECTION 16. OTHER INFORMATION

### 16.1. EU Classes and Risk / Safety phrases for Referenced Ingredients (See Section 2)

<b>Hazard Symbol</b>	Xn – Harmful substance of preparations.
<b>Risk Phrase</b>	R40 Limited evidence of a carcinogenic effect.
<b>Safety Phrase</b>	S24/25 Avoid contact with skin and eyes: S36/37 Wear suitable protective clothing and gloves.

## 16.2. Hazard Rating System ( Pictograms)



Respiratory protection may be necessary depending on conditions of use. Refer to Section 8 of this MSDS for respiratory protection guidelines.

### MAY CONTAIN THE FOLLOWING CHEMICALS:

Chemical identity	CAS#	EINECS#	INCI Name	Exposure OSHA TWA/STEL	Limits ACGIH TWA/STEL	Carcinogen IARC/NTP/ OSHA	%
Acrylates Copolymer	25035-69-2	NE	Acrylates Copolymer	NE	NE	Not Listed	0-1
Carbon Black	1333-86-4	215-609-9	Carbon Black C177266	3,5 mg/m3	0,1 mg PAH s/m3 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/C142090	NE	NE	Not Listed	0-1
FD&C Yellow #5 Al Lake	12225-21-7	235-428-9	Yellow 5/C119140	NE	NE	Not Listed	0-1
D&C Red #7	5281-04-9	226-109-5	Red 7/C115850	NE	NE	Not Listed	0-1
D&C Red#30	2379-74-0	219-163-6	Red 30/C173360	NE	NE	Not Listed	0-1
D&C Orange #5	596-03-2	209-876-0	Orange 5/C145370	NE	NE	Not Listed	0-1
D&C Violet #2	81-48-1	201-353-5	Violet 2/C160725	NE	NE	Not Listed	0-1
Iron Oxide Black	1317-61-9	215-277-5	Iron Oxide/C177499	NE*	NE*	Not Listed	0-1
Polyethelene terephthalate	25038-59-9	NE	Polyethelene terephthalate	NDA	NDA	NDA	0-1
Red Iron Oxide	1382-37-2	215-570-8	Iron Oxide/C177491	NE*	NE*	Not Listed	0-1
Yellow Iron Oxide	51274-00-1	257-098-5	Iron oxides/C177492	NE	NE	Not Listed	0-1
Mica	12001-26-2	310-127-6	Mica	NE	3mg/m3	Not Listed	0-1
Ultramarine Blue	57455-37-3	NDA	Ultramarines/C177007	NDA	NDA	NDA	0-1
NE – None Established    NDA – No data Available							
NR – Not Reviewed    NA – Not Applicable							
<b>OSHA PEL</b> for nuisance dust    15mg/m3 (total dust)    5mg/m3 (respirable dust)							
<b>ACGIH PEL</b> for nuisance dust:    10mg/m3							



**Other information:**

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