

Material Safety Data Sheet

COLORED POLYMERS

Page 1 of 6

Section 1 – Identification**Product Name:** COLORED POLYMERS**Chemical Name:** N/A**Family:** ACRYLIC POLYMER**Product Use:** NAIL POLYMER**Product #:** various**Brand:** TONES

Manufacturer: Global Sources USA Corp
 1580 W 38 Pl # 13 Hialeah Fl, USA
Information contact: 786-3665885

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 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/no	0-35
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
Poly (methyl methacrylate): Hazard Symbol: Xn Risk Phrases: R40 Safety Phrases: S36/37

See Section 16 for Risk and Safety Phrase Key

Material Safety Data Sheet**COLORED POLYMERS**

Page 2 of 6

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. Polymer dust has the potential to ignite at temperatures above 480°C. Avoid high temperatures and high static conditions.

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. Polymer dust has the potential to ignite at temperatures above 480°C. Avoid high temperatures and high static conditions..

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. 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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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

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

Material Safety Data Sheet

COLORED POLYMERS

Section 10 – Stability and Reactivity

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

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 hours	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.

Sensitization	Mutagenicity	Sub-chronic Toxicity
No information available	No information available	No information available

RTECS#: 9011-14-7: TR0400000

Section 12 – Ecological Information**Ecotoxicological Information**

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
Flathead minnows and goldfish TLm24 : 420 ppm Bluegills TLm24 : 368 ppm	N/DA	N/DA	N/DA	N/DA

Chemical Fate Information

Biodegradability	N/DA
Chemical Oxygen Demand	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

DOT (49 CFR 172)	
Proper Shipping Name:	Non-Regulated Material
Identification Number:	N/A
Marine Pollutant:	No
Special Provisions:	N/A
Emergency Response Guidebook (ERG) #:	N/A
IATA (DGR):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Packaging Instructions:	
Emergency Response Guidance (ICAO)#:	
IMO (IMDG):	
Proper Shipping Name:	Non-Regulated Material
Class or Division:	N/A
UN or ID Number:	N/A
Special Provisions & Stowage/Segregation:	None
Emergency Schedule (EmS)#:	
Other Information:	Flash point > 100°C

Material Safety Data Sheet

COLORED POLYMERS

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"> NONE
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"> NONE
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"> Benzoyl Peroxide CAS #94-36-0.
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)	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 Titanium Dioxide CAS #13463-67-7, WHMIS = Not controlled. 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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Labeling according to EC Directives – 1999/45/EC

European Community: 	Colored Polymers: <ul style="list-style-type: none"> 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.
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Material Safety Data Sheet

COLORED POLYMERS

Section 16 – Other Information

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

Hazard Symbol:

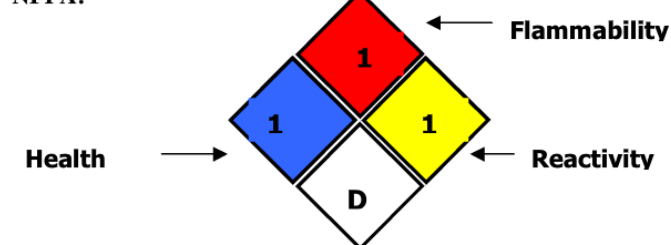
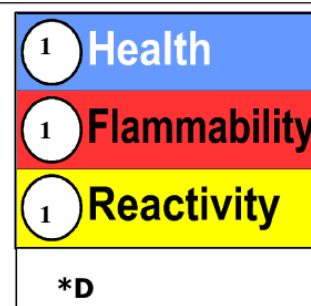
Xn – Harmful substances or preparations

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 ³	0.1 mg PAH's/m ³ 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
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 ³	Not listed	0-1
Ultramarine Blue	57455-37-5	N/DA	Ultramarines/CI77007	N/DA	N/DA	N/DA	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/m³ (total dust)
5 mg/m³ (respirable dust)

ACGIH PEL for nuisance dust: 10 mg/m³

MSDS Prepared by:	BSQ
Revision History:	11/29/2000 Initial Issue
	10/28/2004 Updated section 2 contents, section 16 contents and overall format update
	08/02/2007 Update sections 15 and 16.
	10/11/2007 Update section 16 with modifications and adding Carbon Black.

Material Safety Data Sheet

COLORED POLYMERS

	09/18/2008	Updated section 16
	10/22/2008	Updated Format
	11/04/2008	Updated Risk and Safety Phrases
	02/11/2009	Updated FD&C Yellow CAS number and EINECS name
	03/09/2009	Updated EINECS number of Blue#1 in section 16
	03/16/2009	Updated to meet Globally Harmonized System requirements. Added the EU address to section 1. Switched location of section 2 with section 3. Changed the title in sections 1, 8, and 13. Moved MSDS preparation to section 16.
	03/27/2009	Updated the EC# on Mica
	11/10/2009	Updated the EC# for Yellow iron oxide in the may contain section.
	02/04/2010	Added international emergency phone number to section 1.
	11/21/2011	Updated section 16.