

Material Safety Data Sheet**POLYMER WHITE**

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Section 1 – Identification**Product Name:** POLYMER WHITE**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 Numbers | EINECS# | INCI Name | Exposure | Limits | Carcinogen | % |
|----------------------------|--------------------------|-----------|--------------------------|------------------|-------------------|---------------|-------|
| | | | | OSHA TWA/STEL | ACGIH TWA/STEL | | |
| 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 |
| N/E – None Established | N/DA – No Data Available | | | | | | |
| N/R – Not Reviewed | N/A – Not Applicable | | | | | | |

This product is not considered hazardous by OSHA Hazard Communication Standard.

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

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Section 4 – First Aid Measures

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| 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

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| 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

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| 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

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| 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

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| 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 |

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

Section 10 – Stability and Reactivity

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

Section 11 – Toxicological Information

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|--|---|--|----------------------------------|---------------------------------|
| Acute Oral Toxicity LD50 Oral (Rat) : 7990mg/kg | Acute Dermal Toxicity LD50 Dermal (Rabbit): 35,500 mg/kg | Acute Inhalation Toxicity LC50 Inhalation (Rat) : >12,500 to 16,500 ppm for 0.5 hours | Irritation – skin mild | Irritation – Eye 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.

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

RTECS#: 9011-14-7: TR0400000

Section 12 – Ecological Information**Ecotoxicological Information**

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|---|--|--|---------------------------------|--|
| Acute Toxicity to Fish Flathead minnows and goldfish TLM24 : 420 ppm Bluegills TLM24 : 368 ppm | Acute Toxicity to Invertebrates N/DA | Acute Toxicity to Algae N/DA | Bioconcentration N/DA | Toxicity to Sewage Bacteria N/DA |
|---|--|--|---------------------------------|--|

Chemical Fate Information

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|-------------------------------|------|
| 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

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| 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 |

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Section 15 – Regulatory Information

US Federal Regulations

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|-------------------------------------|---|
| 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 (PQ) | 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 (12) | 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

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|--------------------------------------|---|
| 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

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| 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 |
|--|---|

Labeling according to EC Directives – 1999/45/EC

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|---------------------|--|
| European Community: | Polymer White: <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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Section 16 – Other Information

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

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| 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 |
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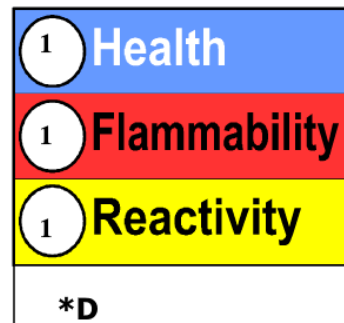
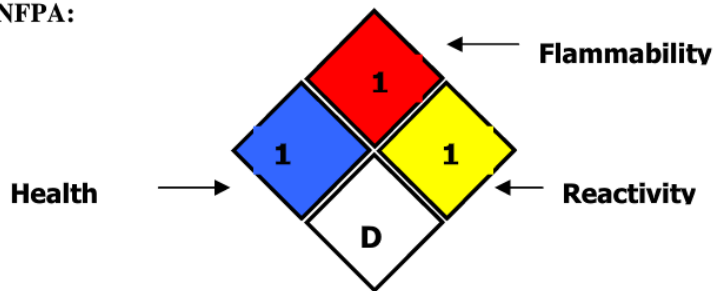
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Hazard Rating System (Pictograms)

NFPA:

HMIS:



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

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: | 10/29/04 Section 2 % changed from <, > to range, headers changed, format update |
| | 09/18/08 Updated section 16 |
| | 10/22/08 Updated Format |
| | 11/06/08 Updated Risk and Safety Phrases |
| | 03/16/09 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. |
| | 02/04/10 Added international emergency phone number to section 1 |