

Material Safety Data Sheet POLYMER WHITE Page 1 of 1

Revised Date: 10/29/2004 | Replaces Date: 10/12/2004

MSDS#: KIP112900-PW1

Product

Name:

POLYMER WHITE MSDS Approval

Date:

07/15/2003

Chemical

Name:

N/A MSDS Prepared

by:

BSQ

Family: ACRYLIC POLYMER **Manufacturer:** KEYSTONE INDUSTRIES

616 Hollywood Ave, Cherry Hill, NJ 08002

Product Use: NAIL POLYMER **Emergency Phone Numbers:** (800) 535 - 5053

Product #: various **Information Contacts:** (856) 663 - 4700

Section 2 -

Composition/Information on Ingredients

Chemical Identity CAS Numbers EINECS# INCI Name Exposure Limits Carcinogen %

OSHA ACGIH

TWA/STEL TWA/STEL 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

N/E - None Established

N/R - Not Reviewed

N/DA - No Data Available

N/A - Not Applicable

Hazard Symbols: Xi **Risk Phrases:** R36/37/38 **Safety Phrases:** S18, S22, S24/25, S38

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

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

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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

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.

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First Aid for Ingestion Rinse mouth out with water. Call doctor if amount was large.

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.

Spill or Release

Procedures

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills.

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.

Engineering Controls Use good local exhaust at processing equipment, including buffers, sanders, grinders and

polishers. High temperature processing equipment should be well ventilated. Use explosionproof equipment. Provide ventilation if necessary to control exposure levels below airborne exposure limits.

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.

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/ Decomposition Octanol/Water Vapor Vapor Evaporation Ignition Solubility
Freezing Point
Temperature Partitioning Coefficient
Log Po/w
Pressure: Density Rate 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

Stability: Stable
Hazardous Decomposition Products: methacrylate monomers
Incompatibility (Materials to Avoid): Strong oxidizing agents

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Conditions to Avoid: Heating above 240 deg C , 464 deg F **Hazardous Polymerization:** will not occur

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

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

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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.

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.

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

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:

• NONE

Clean Water Act: Priority Pollutant This product contains the following chemicals listed under the U.S. Clean Water Act Priority

Pollutant List:

• 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.

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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:

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- Benzoyl Peroxide CAS #94-36-0.

TSCA Section 8(b): Inventory:

TSCA Significant New Use Rule:

This product contains chemicals listed on the TSCA inventory or otherwise complies with TSCA premanufacture notification requirements.

None of the chemicals listed have a SNUR under TSCA.

State Regulations

CA Right-to-Know Law:

California No Significant Risk Rule:

Benzoyl Peroxide CAS #94-36-0

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

EINECS: European Inventory: **Polymer White:**

- 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.**

Hazard Rating System (Pictograms)

NFPA: HMIS:

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* - 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

Revised Sections since Last Version: Section 2 % changed from <> to range, headers changed, format update

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disposal of the product. This MSDS was prepared expressly for this product. Use the materials only as directed. If the product is used as a

component of another product, the information contained within the MSDS may not be applicable. If one could have any concerns with or problems

understanding this MSDS form, please direct all questions to INFOTRAC, Chemical Emergency Resources System at 1(800) 535-5053.

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Flammability

Reactivity Health

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