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|---|---|----------------------------|
|  | IDENTITY: PLASTIC RECYCLED BUMPER WITH HYDROFLEX PRIMER DRIED FILM | |
| | MATERIAL SAFETY DATA SHEET | |
| | PRODUCT CODE: 1221-4-5, 1231-4-5 Primer | PAGE 1 of 7 |
| | CONTROL DOCUMENT #: EX-50003-000 | REV. DATE: 11/02/01 |

1.0 CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: Plastic Recycled Bumper with Hydroflex Primer Dried Film

Product Code for Primer: 1221-4-5, 1231-4-5 Primer

Company Identity: Keystone Automotive Industries

700 East Bonita Avenue

Pomona, CA 91767

Company Phone: 1-800-772-5557

Transtar Autobody Technologies Phone: 1-810-220-3000

Product Use: Replacement crash part.

2.0 COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS NUMBER | % BY WEIGHT |
|-----------------|------------|-------------|
| Acrylic Polymer | Non Hazard | 15 – 25 % |
| Talc | 14807-96-6 | 15 – 25 % |
| Barium Sulfate | 7727-43-7 | 15 – 25 % |
| Acrylic Monomer | 97-88-1 | Trace |

See Section 15, Regulatory Information for code descriptions.

Weight percent (%) of 0.0 means chemical is in trace amounts.

3.0 HAZARDS IDENTIFICATION

This product is nonhazardous and represents no hazards to health or the environment when used as directed.

HMIS Hazard Ratings: Health = 1, Flammability =0, Chemical Reactivity =0

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Note: HMIS ratings involve data and interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Potential Health Effects

Eyes: Dust from sanding can be irritating to the eyes.

Skin: None to minimal hazard to the skin

Inhalation: Dust from sanding may contain respirable size particles which can be irritating or damaging to the respiratory tract and lungs.

Ingestion: Slight irritation to the digestive tract.

4.0 FIRST AID MEASURES

Seek professional medical attention for all over-exposures and /or persistent problems.

Eye Contact: Flush eyes with clean water for a minimum of 15 minutes. Seek medical attention if problems persist.

Skin Contact: Wash exposed area thoroughly with soap and water.

Inhalation: Remove person from area to fresh air. If breathing difficulty persists, seek medical attention.

Ingestion: **DO NOT INDUCE VOMITING.** Seek immediate medical attention.

5.0 FIRE FIGHTING MEASURES

Flammable Properties

Flash Point: N/A **Method:** TCC

Upper Explosive Limit (UEL): N/A

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Lower Explosive Limit (LEL): N/A

Auto Ignition Temperature: No data

Extinguishing Media: Foam, Alcohol Foam, CO₂, Dry Chemical, and Water Fog.

Special Firefighting Procedures: Full fire fighter equipment including SCBA should be worn to avoid skin contact and inhalation of concentrated vapors.

Minimize skin exposure. Highly toxic fumes may be generated by thermal decomposition.

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide, and Oxides of Nitrogen.

Unusual Fire and Explosion Hazards: No unusual fire or explosion hazards.

6.0 ACCIDENTAL RELEASE MEASURES

Sweep up and transfer to an appropriate container for disposal.

7.0 HANDLING AND STORAGE

Keep away from heat and flames.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| CHEMICAL NAME/EXPOSURE LIMITS | CAS NUMBER |
|--|------------|
| Acrylic Polymer OSHA PEL: NA, ACGIH TLV: NA, OTHER: NA | Non Hazard |
| Talc OSHA PEL: 20 mppcf, ACGIH TLV: 2 mg/m ³ | 14807-96-6 |
| Barium Sulfate OSHA PEL: 5 mg/m ³ , ACGIH TLV: 5 mg/m ³ , OTHER: NA | 7727-43-7 |

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|---|---------|
| Acrylic Monomer OSHA PEL: NA, ACGIH TLV: NA, OTHER: 50 ppm | 97-88-1 |
|---|---------|

Engineering Controls: Use with adequate ventilation. If normal ventilation is not adequate use exhaust fan.

Respiratory Protection: Utilize engineering controls to reduce emission levels below the time weighted exposure limits (ACGIH TLV & OSHA PEL). Wear an approved respirator if exposure limits are above the exposure limits listed above.

Eye Protection: Use safety glasses.

Skin Protection: Use impermeable chemical gloves for skin protection.

Safe Work Practices: Eye washes and safety showers in the workplace are recommended. Avoid contact with skin and eyes. Avoid breathing vapors. Wash hands thoroughly after using and before eating, drinking or smoking. Smoking in area where this material is used **should be strictly prohibited**. Keep food and drink away from material and from area where material is being used.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------------|---------------------|
| Physical Form: | Homogeneous mixture |
| Physical State: | Solid |
| Color: | Black |
| Odor: | No odor present |
| Odor Threshold: | No data |
| Specific Gravity (water= 1) | 1.74 |
| Vapor Pressure: | No data |
| Vapor Density: | N/A |



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| | | |
|---|------------|-------|
| Material VOC: | 0.02 LB/gl | 2 g/l |
| Coating VOC: | 0.03 LB/gl | 3 g/l |
| Evaporation Rate: | N/A | |
| Boiling Point: | 329° F | |
| Melting Point: | No data | |
| Freezing Point: | No data | |
| Viscosity at Ambient Temperature: | No data | |
| Solubility in Water: | Insoluble | |
| Octanol/Water Partition Coefficient: | No data | |
| pH: | No data | |

10.0 STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Water based product. None anticipated.

Hazardous Polymerization: WILL NOT OCCUR.

11.0 TOXICOLOGICAL INFORMATION

Effects of Exposure: No acute or chronic health effects identified or anticipated.

Acute Toxicity Data: No data.

Carcinogenicity: NTP – No, IARC – No, OSHA – No

This product has not been tested for carcinogenic effects. Some material in this product may be identified by NTP, IARC and / or OSHA as carcinogenic, indicated above as "Yes". No further information available.

Teratology: No data

Reproduction: No data

Mutagenicity: No data

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12.0 ECOLOGICAL INFORMATION

No data.

13.0 DISPOSAL CONSIDERATIONS

This product when disposed represents a non-hazardous waste, as identified in 40CFR261. It is the responsibility of each waste generator to identify the proper classification of their waste streams.

14.0 TRANSPORT INFORMATION

The following transportation information is provided based on interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking and labeling prior to offering for transport.

USA (DOT) Status: Not regulated

Water (IMDG) Status: Not regulated

Air (ICAO, IATA) Status: Not regulated

Canada (TDG) Status: Not regulated

15.0 REGULATORY INFORMATION

This information listed in this section is not all inclusive of all regulation for this product or the chemical components of this product.

US Federal Regulations:

TSCA status: All known major components of this product are listed on the TSCA Inventory and/or are otherwise in compliance with TSCA

SARA 302 (EHS) Status: No EHS chemicals present.

SARA 311/312 Status: No hazards to Emergency Responders identified.

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SARA 313 Status: *No toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40CFR372 are present.

OSHA Status: This material meets the requirement of hazardous material and is subject to 29CFR1910.1200.

USA State Information

California Proposition 65: This product does not contain chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

Pennsylvania, New Jersey, Massachusetts, and Rhode Island RTK Status: This material contains chemicals subject to notification under these states Right To Know.

International Regulations

Canada DSL Status: All known major components of this product are listed on the DSL Inventory and/or are otherwise in compliance with the DSL

Canada WHMIS: N/A

EINECS Status: All components of this material are listed on the EINECS Inventory.

16.0 OTHER INFORMATION

To the best of our knowledge, the information contained herein is accurate, obtained from sources believed by Keystone Automotive to be accurate. As with all chemicals, KEEP AWAY FROM CHILDREN AND ANIMALS. FOR PROFESSIONAL USE ONLY. The hazard information contained herein is offered solely for the consideration of the user, subject to your own investigation and verification of compliance with applicable regulation, including the safe use of the product under every foreseeable condition.