

Supplier:

Magnaloy Coupling Company
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For Additional Information contact:

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SECTION I - PRODUCT IDENTIFICATION

CHEMICAL NAME: Urethane-90 Yellow
TRADE NAME: Urethane Compound, 90 Durometer
FORMULA:
CAS NO:
PHYSICAL FORM: Solid

SECTION II - COMPOSITION ON REGULATED INGREDIENTS

| Components | CAS-No. | Weight % |
|---|-------------|----------|
| Trimethylpropane trimethacrylate | 3290-92-4 | 1 - 5 |
| Titanium dioxide | 13463-67-7 | 1 - 5 |
| Silica, amorphous, precipitated and gel | 112926-00-8 | 5 - 10 |
| Kaolin | 1332-58-7 | 10 - 30 |

SECTION III - HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Routes of Exposure: Inhalation, Ingestion, Skin Contact

Acute Exposure: Inhalation: Particulates, like other inert material can be mechanically irritating
Ingestion: May be harmful if swallowed
Eyes: Particulates, like other inert material can be mechanically irritating
Skin: Experience shows no unusual dermatitis hazard from routine handling

Chronic Exposure: Refer to Section 11 for Toxicological Information.

SECTION IV - FIRST AID MEASURES

Inhalation: Move to fresh air in case of accidental inhalation of fumes from overheating or combustion. When symptoms persist or in all cases of doubt, seek medical advice.

Ingestion: Do not induce vomiting without medical advice. When symptoms persist or in all cases of doubt, seek medical advice.

Eyes: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.

Skin: Wash off with soap and plenty of water. If skin irritation persists, seek medical attention.

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SECTION V - FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT: N/A FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Water spray, dry powder, foam, carbon dioxide (CO2).

SPECIAL FIRE FIGHTING PROCEDURES: Fullface self-contained breathing equipment used in positive pressure mode should be worn to prevent inhalation of airborne contaminants.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (Nox), other hazardous materials, and smoke are all possible.

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SECTION VI - ACCIDENTAL RELEASE MEASURES
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Personal precautions: Wear appropriate personal protection during cleanup, such as impervious gloves, boots and coveralls.

Environmental precautions: Should not be released into the environment. The product should not be allowed to enter drains, water courses or the soil.

Methods for cleaning up: Clean up promptly by sweeping or vacuum. Package all material in plastic, cardboard or metal containers for disposal. Refer to Section 13 of this MSDS for proper disposal methods.

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SECTION VII - HANDLING AND STORAGE
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Handling: Take measures to prevent the build up of electrostatic charge. Heat only in areas with appropriate exhaust ventilation.

Storage: Keep containers dry and tightly closed to avoid moisture absorption and contamination. Keep in a dry, cool place.

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SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION
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Respiratory Protection: No personal respiratory protective equipment normally required when handling the product itself. See "Engineering Measures" section below for precautions to be taken when heating or processing this material.

Eye/Face Protection: Safety glasses with side-shields

Hand Protection: Protective gloves

Skin and Body Protection: Long sleeved clothing

Additional Protective Measures: Safety shoes

General Hygiene Considerations: handle in accordance with good industrial hygiene and safety practice. Wash hands before and after handling.

Engineering Measures: Heat only in areas with appropriate exhaust ventilation. Adequate ventilation and/or appropriate respiratory protection may also be necessary to minimize employee exposure to processing vapors.

Exposure Limits:

| Component | Value | Exposure Time | Exposure Type | List |
|--|-----------------------|---------------------------|---------------------|---------|
| Kaolin | 5 mg/m ³ | PEL | Respirable fraction | OSHA Z1 |
| | 15 mg/m ³ | PEL | Total Dust | OSHA Z1 |
| | 2 mg/m ³ | Time Weighted Average | Respirable fraction | ACGIH |
| | 20 mg/m ³ | Short Term Exposure Limit | | MX OEL |
| | 10 mg/m ³ | Time Weighted Average | Dust | ACGIH |
| Silica, amorphous precipitated and gel | 5 mg/m ³ | PEL | Respirable fraction | OSHA Z1 |
| | 15 mg/m ³ | PEL | Total Dust | OSHA Z1 |
| | 0.8 mg/m ³ | Time Weighted Average | | Z3 |
| | 10 mg/m ³ | Time Weighted Average | | MX OEL |
| | 10 mg/m ³ | Time Weighted Average | | ACGIH |
| Titanium dioxide | 15 mg/m ³ | PEL | Total Dust | OSHA Z1 |
| | 20 mg/m ³ | Short Term Exposure Limit | as Ti | MX OEL |

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

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|-------------------|----------------------------|-------------------|-----------------|
| Form: | Solid | Evaporation rate: | N/A |
| Appearance: | cylindrical part | Specific Gravity: | Not Determined |
| Color: | Yellow | Bulk density: | Not established |
| Odor: | Characteristic rubber odor | Vapor pressure: | N/A |
| Melting Point: | Not determined | Vapor density: | N/A |
| Boiling Point: | N/A | pH: | N/A |
| Water Solubility: | Insoluble | | |

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SECTION X - STABILITY AND REACTIVITY

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|---------------------------|--|
| Stability: | Stable |
| Hazardous Polymerization: | Will Not Occur |
| Conditions to Avoid: | Keep away from oxidizing agents and open flame. To avoid thermal decomposition, do not overheat. |
| Incompatible Material: | Incompatible with strong acids and oxidizing agents |
| Hazardous decomposition: | Carbon dioxide (CO ₂), carbon monoxide (CO), oxides of nitrogen (Nox), other hazardous material, and smoke are all possible. |

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 SECTION XI - TOXICOLOGICAL INFORMATION
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This material has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

Toxicity Overview: This product contains the following components which in their pure form have the following characteristics.

| CAS-No. | Chemical Name | Effect | Target Organ |
|-------------|---|------------------|--------------------------------------|
| 3290-92-4 | Trimethylopropane trimethacrylate | Irritant | Eyes, Skin |
| 13463-67-7 | Titanium dioxide | Irritant | Respiratory system, Eyes |
| 112926-00-8 | Silica, amorphous, precipitated and gel | Irritant | Respiratory system, Eyes |
| 1332-58-7 | Kaolin | Systemic effects | Respiratory system, digestive system |

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 SECTION XII - ECOLOGICAL INFORMATION
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Persistence and degradability: Not readily biodegradable
 Environmental Toxicity: Chemical are not readily available as they are bound within the polymer matrix
 Bioaccumulation Potential: Chemical are not readily available as they are bound within the polymer matrix
 Additional Potential: Not applicable

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 SECTION XIII - DISPOSAL CONSIDERATIONS
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Product: Where possible recycling is preferred to disposal or incineration. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state and local regulations.
 Contaminated packaging: Recycling is preferred when possible. The generator of waste material has the responsibility for proper waste classification, transportation and disposal in accordance with applicable federal, state and local regulations.

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 SECTION XIV - TRANSPORT INFORMATION
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US DOT Classification: Refer to specific regulation
 ICAO/IATA (air): Refer to specific regulation
 IMO / IMDG (maritime): Refer to specific regulation

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 SECTION XV - REGULATORY INFORMATION
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US Regulations:
 OSHA Status: Classified as hazardous based on components
 TSCA Status: All components of this product are listed on or exempt from the TSCA Inventory.

US EPA CERCLA hazardous Substances (40 CFR 302): Not applicable

California Proposition: Not applicable

SARA Title III Section 302 Extremely Hazardous Substance: Not applicable

SARA Title III Section 313 Toxic Chemicals: Not applicable

Canadian Regulations:

National Pollutant Release Inventory (NPRI) Not applicable

WHMIS Classification: D2A

DSL: All components of this product are on the Canadian Domestic Substances List (DSL) or are exempt.

National Inventories:

Australia AICS: Not determined

China IECS: Not determined

Europe EINECS: Not determined

Japan ENCS: Not determined

Korea KECI: Not determined

Philippines PICCS: Not determined

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SECTION XVI - OTHER INFORMATION

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of this publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials and/or in any particular process or processing conditions.