☑GHS Compliant

Safety Data Sheet

SDS No. MMSFCA

Section 1 - Identification

1.1 Product Identifier: Monster Makers Fast Catalyst

1.2 General Use: Curing catalyst for condensation base

1.3 Manufacturer: The Monster Makers, Inc.,
13597 West Parkway Rd., Cleveland, OH 44135
Phone: (216) 671-8700
sales@monstermakers.com

1.4 Emergency Contact: Chem-Tel
Domestic: 800-255-3924 International 813-248-0585

Section 2 - Hazards

2.1 Classification of the substance or mixture

Flammable – Category 3
Acute Toxicity, Oral – Category 5
STOT, Repeated Exposure – Category 2 (Bladder)

2.2 GHS Label elements, including precautionary statements

Pictograms:

Signal Word: Warning

General

Hazard Statements:

H226: Flammable liquid and vapor
H303: May be harmful if swallowed
H373: May cause damage to organs, bladder, through prolonged or repeated exposure by ingestion.

Precautions:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233: Keep container tightly closed
P240: Ground/bond container and receiving equipment
P241: Use explosion-proof electrical/ventilating/light/…/equipment
P242: Use only non-sparking tools
P243: Take precautionary measures against static discharge
P260: Do not breathe dust/fume/gas/mist/vapors/spray
P280: Wear protective gloves/protective clothing/eye protection/face Protection
P312: Call a POISON CENTER or doctor/physician if you feel unwell
P314: Get Medical advice/attention if you feel unwell
P370+378: In case of fire, use an Class ABC dry extinguisher for extinction
P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P403+P235: Store in a well ventilated place. Keep cool.

P501: Dispose of contents/container through a waste management company authorized by the local government.

Hazards not otherwise classified (HNOC) or not covered by GHS

Section 3 - Composition / Information on Ingredients

3.1 Substances

Name	CAS#	% by Weight
Phenyltrimethoxysilane	2996-92-1	25-35
Dimethyldineodecanoatetin	68928-76-7	1-4

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.

Eye Contact: Immediately flush with COOL water for 15 minutes; Call a physician if irritation persists.

Skin Contact: Remove contaminated clothing immediately and dispose of safely. When in contact with the skin, clean with soap and water

Ingestion: Rinse with water. If swallowed: Call a poison center or doctor/physician if you fell unwell. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed: None known

4.3 After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

5.1 Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical

5.2 Special hazards arising from the substance or mixture: Fire will form hazardous combustion gases of Carbon dioxide(CO2), Carbon Monoxide(CO), and Nitrogen Oxides(NOx) Product contains silicone, which is known to produce formaldehyde and benzene when temperatures reach in excess of 150C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard.

5.3 Advice for firefighters: Do not breathe in fumes. Wear respirator and all protective coverings.

Section 6 - Accidental Release Measures

6.1 Personal Precautions, protective equipment and emergency procedures:

Keep unnecessary personnel out of the way. Eliminate all ignition sources. Safety glasses and gloves are suggested to prevent eye and skin irritation. Provide sufficient ventilation.

6.2 Environmental precautions: Prevent product from entering drains.

6.3 Methods and materials for containment and cleaning up: Absorb spilled material with suitable absorbent (e.g. rag, dry sand, clay absorbent) and disposed of, in accordance with appropriate laws and regulations.

Section 7 - Handling and Storage

7.1 **Precautions for safe handling:** Wear protective equipment; Use in a well-ventilated area; Avoid contact with skin and eyes. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/light/…/equipment.

7.2 **Conditions for safe storage, including any incompatibilities:** Keep container tightly closed. Store in a cool, dry place. Keep away from oxidizing material.

Section 8 – Exposure Controls / Personal Protection

8.1 **Control Parameters:**

Hazardous Ingredient	CAS#	Limit/Set by
Methanol; decomposition product	67-56-1	200 ppm 8hr TWA *PEL/OSHA
Phenyltrimethoxysilane	2996-92-1	50ppm TWA

Exposure controls: Install local exhaust ventilation device if vapor, fume, mist, or power dust generates. Provide an emergency eyewash and a quick drench shower in the immediate work area.

Respiratory Protections: Vapor respirator. Follow local and national regulations.

Hand Protection: Protective gloves

Eye Protection: Wear safety glasses or goggles. Face shield if situation requires

Other Protective Clothing/Equipment: Protective clothing if situation requires

Section 9 - Physical and Chemical Properties

9.1 **Information on basic physical and chemical properties:**

Appearance: Liquid, Red	**Vapor Pressure:** N/A
Odor/Threshold: Characteristic ester odor	**Vapor Density (Air=1):** All vapors denser than air
pH: N/A	**Specific Gravity (H2O=1, at 4C):** N/A
Melting Point/Freezing Point: N/A	**Water Solubility:** Not Soluble
Low/High Boiling Point: N/A will decompose before boil	**Partition Coefficient:** N/A
Flash point: >75F	**Auto-Ignition Temperature:** N/A
Evaporation Rate : N/A	**Decomposition Temperature:** >150C
Flammability: N/A	**Viscosity:** 50-100cP
UEL/LEL: N/A	**% Volatile:** N/A

Section 10 - Stability and Reactivity

10.1 **Reactivity:** Product is designed to react with a silanol-containing base in the presence of moisture and cure. Will react with the moisture in the air and harden if left uncapped.

10.2 **Chemical Stability:** Stable in the absence of contamination or moisture

10.3 **Possibility of hazardous reactions:** Upon contact with water, the product will release methanol, which have some health ramifications associated with it.

10.4 **Conditions to avoid:** Avoid contact with water and strong acid. Keep away from sources of heat as well as sources of ignition.

10.5 **Incompatible Materials:** Water, acids, alkalis, iron, may react violently with electrophiles such as ferric chloride

10.6 **Hazardous Decomposition Products:** Hazardous combustion gases of Carbon dioxide (CO2), Carbon Monoxide (CO), and Nitrogen Oxides (NOx)
Product contains silicone, which is known to produce formaldehyde and benzene when temperatures reach in excess of 150C. Formaldehyde is a known skin, eye, and throat irritant as well as a potential cancer hazard. Benzene is a known carcinogen. Water, acids, alkalis, iron, may react violently with electrophiles such as ferric chloride.

Section 11 - Toxicological Information

11.1 **Information on Toxicological Effects:**

Acute Toxicity: Calculated from known values for mixture:
Oral – LD50(Rat):>2000mg/kg

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.

Serious Eye Damage/Irritation: Direct contact with eyes may cause temporary irritation.

Respiratory/Skin Sensitization: N/A

Germ Cell Mutagenicity: N/A

Carcinogenicity: N/A

Reproductive Toxicity: N/A

Specific Target Organ Toxicity - Single Exposure: N/A

Specific Target Organ Toxicity - Repeated Exposure:
Category 2 hazard – Methanol; decomposition product (<1%):
May cause conjunctivitis, dizziness, sleeplessness, and gastrointestinal and optical disturbances.
Category 2 hazard – for phenyltrimethoxysilane:
May cause damage to organs (bladder) through prolonged or repeated exposure.

Potential Health Effects - Miscellaneous: None known

Section 12 - Ecological Information

12.1 **Ecotoxicity:** Do not allow to enter soil, waterways or waste water canal. It is not allowed to be released into biological sewage treatment plants. Ecological data is not available.

12.2 **Persistence and Degradability:** NA

12.3 **Bioaccumulative Potential:** N/A

12.4 **Mobility in Soil:** N/A

13 - Disposal Considerations

13.1 **Waste Treatment Methods:** Recycle to process, if possible. Consult your local regional authorities. You may be able to burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

Section 14 - Transport Information

14.1 **UN Number:** UN1993

14.2 **DOT Shipping Name:**

14.5 **Environmental Hazards:** N/A

Section 15 - Regulatory Information

15.1 Safety Health and environmental regulation/legislation specific for the substance or mixture:

US REGULATIONS

US SARA REPORTING REQUIREMENTS: The components of this product are subject to the reporting requirements of Section 302, 304, and 313 of Title III of the Superfund Amendments and the Reauthorization Act, and are listed as follows:

Hazardous Ingredient	SARA 302 (40 CFR 355, Appendix A)	SARA 304 (40 CFR Table 302.4)	SARA 313 (40 CFR 372.65)
Phenyltrimethoxysilane	No	No	No
Dimethyldineodecanoatetin	No	No	No

U.S. SARA THRESHOLD PLANNING QUALITY: There are no specific Threshold Planning Quantities for the components of this product, The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

U.S. CERCLA REPORTABLE QUANTITY (RQ): None.

SARA 311/312(40 CFR 370) HAZARDS: Acute: No, Chronic: Yes, Fire: No, Pressure: No.

CALIFORNIA, (PROPOSITION 65): Titanium dioxide.

TSCA INVENTORY STATUS: These materials or all of their contents are listed on the Toxic Substances Control Act (TSCA).

CANADIAN DSL/NDSL INVENTORY: The components of this product are on the DSL or NDSL Inventories.

AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) STATUS: The components of this product are listed on the AICS.

KOREAN INVENTORY: The components of this product are listed or exempted.

Section 16 - Other Information

HMIS	
H	2
F	2
R	0

SDS Version: 2
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Glossary: ACGIH-American Conference of Governmental Industrial Hygienists; ANSI-American National Standards Institute; Canadian TDG-Canadian Transportation of Dangerous Goods; CASChemical Abstract Service; Chemtrec-Chemical Transportation Emergency Center (US); CHIPChemical Hazard Information and Packaging; DSL-Domestic Substances List; EC-Equivalent Concentration; EH40 (UK)-HSE Guidance Note EH40 Occupational Exposure Limits; EPCRAEmergency Planning and Community Right-To-Know Act; ESL-Effects screening levels; GHS-Globally Harmonized System of Classification and Labelling of Chemicals; HMIS-Hazardous Material Information Service; IATA-International Air Transport Association; IMDG-International Maritime Dangerous Goods Code; LC-Lethal Concentration; LD-Lethal Dose; LEL-Lower Explosion Level; NFPA-National Fire Protection Association; OEL-Occupational Exposure Limit; OSHA-Occupational Safety and Health Administration, US Dept. of Labor; PEL-Permissible Exposure Limit; SARA (Title III)-Superfund Amendments and Reauthorization Act; SARA 313-Superfund Amendments and Reauthorization Act, Section 313; SCBA-Self-Contained Breathing Apparatus; STEL-Short Term Exposure Limit; TCEQTexas Commission on Environmental Quality; TLV-Threshold Limit Value; TSCA-Toxic Substances Control Act Public Law 94-469; TWA-Time Weighted Value; UEL-Upper Explosion Level; US DOT-US Department of Transportation; WHMIS-Workplace Hazardous Materials Information System.

Disclaimer: The information contained in this Safety Data Sheet (SDS) is considered accurate as of the version date. However, no warranty is expressed or implied regarding the accuracy of the data. Since the use of this product is not within the control of The Monster Makers, Inc. regardless of the legal theory advanced, it is the user's obligation to determine the suitability of the product for its intended application and assumes all risk and liability for its safe use. This SDS is prepared to comply with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) as prescribed by the United States (US) Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), the Canadian Workplace Hazardous Materials Information System (WHMIS), and European Union Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 (REACH). Classifications of the chemical in accordance with 29 CFR 1910.1200, signal word, hazard and precautionary statement(s), symbol(s) and other information are based on listed concentration of each hazardous ingredient. Unlisted ingredients are not "hazardous" per the OSHA Hazard Communication Standard (29 CFR 1910.1200), WHMIS and EC No 1907/2006 and

are considered trade secrets under US Federal Law (29 CFR and 40 CFR), Canadian Law (Health Canada Legislation), and European Union Directives.