



MATERIAL SAFETY DATA SHEET

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT

MSDS CODE AND NAME : P4G4Z-011

DATE ISSUED : 07/01/2008

DATE PRINTED : 07/01/2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MATERIAL IDENTITY
MSDS CODE AND NAME

P4G4Z-011

Chemical Name and/or Family or Description:

Polypropylene homopolymer

COMPANY INFORMATION

Global Dental Impression Trays, Inc.
2651 E. 21ST St., Ste. 300
Tulsa, OK 74114

TELEPHONE NUMBERS

Emergency Contact: 918-246-2143

Contact Information: 888-DENTRAY

Mrs. Kellie Alexander

2. COMPOSITION AND INFORMATION ON INGREDIENTS

THE CRITERIA FOR LISTING COMPONENTS IN THE COMPOSITION SECTION ARE AS FOLLOWS: CARCINOGENS ARE LISTED WHEN PRESENT AT 0.1 % OR GREATER; COMPONENTS WHICH ARE OTHERWISE HAZARDOUS ACCORDING TO OSHA ARE LISTED WHEN PRESENT AT 1.0 % OR GREATER; NON-HAZARDOUS COMPONENTS ARE LISTED AT 3.0 % OR GREATER. THIS IS NOT INTENDED TO BE COMPLETE COMPOSITIONAL DISCLOSURE. REFER TO SECTION 14 FOR APPLICABLE STATES' RIGHT TO KNOW AND OTHER REGULATORY INFORMATION. Product and/or Component(s) Carcinogenic According to:

OSHA IARC NTP OTHER NONE X

Chemical Name	CAS Number	Exposure Limits	Range in %
1-Propene, homopolymer	9003-07-0		>99.0
modifiers/additives	CBI		<1.0
Particulates not otherwise classified (PNOC)		10 (mg/m3) TWA-ACGIH (INHALABLE PARTICULATE)	
		3 (mg/m3) TWA-ACGIH (RESPIRABLE PARTICULATE)	
Particulates not otherwise regulated (PNOR)		15 (mg/m3) TWA-OSHA (TOTAL DUST)	
		5 (mg/m3) TWA-OSHA (RESPIRABLE FRACTION)	

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3. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance:
Translucent pellets

Odor:
Odorless

WARNING STATEMENT

CAUTION!

MAY CAUSE EYE IRRITATION.

**Hazardous Material
Information System
(United States)**

**Health (0)
Fire (1)
Reactivity (0)
Personal protection (0)**

**National Fire Protection
Association NFPA
(United States)**

POTENTIAL HEALTH EFFECTS

Primary Route of Exposure

Eye X Skin X Inhalation X Ingestion

Effects of Overexposure

Acute:

Eyes: Product may contain residual amounts of dust or small particulates which may cause eye irritation or abrasion experienced as mild discomfort and slight excess redness of the eye.

Skin: Product may contain residual amounts of dust or small particulates that may cause skin irritation or abrasion experienced as local redness with possible mild discomfort.

Inhalation: Dust may cause irritation of the nose and throat. Overexposure to high concentrations of dust may cause respiratory irritation, experienced as coughing and difficulty breathing. Product not volatile at ambient temperatures. Vapors or mist in high concentrations, as generated from spraying or heating in a enclosed space, may cause minimal irritation.

Ingestion: May cause abdominal discomfort, nausea, and diarrhea.

Sensitization Properties: Unknown

Chronic:

Prolonged or repeated inhalation of dust or particulates may impair lung function or cause lung damage.

Medical Conditions Aggravated by Exposure:

There is no evidence that this product aggravates an existing medical condition.

Other Remarks:

None

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4. FIRST AID MEASURES

Eyes:

Flush eyes with plenty of water for several minutes. Remove larger particles from the eye as one would any foreign object. Get medical attention if eye irritation persists or particulates are difficult to remove from the eye.

Skin:

Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.

Ingestion:

None considered necessary.

Inhalation:

If irritation, headache, or drowsiness occurs, remove to fresh air.

Other Instructions:

None

5. FIRE-FIGHTING MEASURES

Ignition Temperature - AIT (degrees C):

570 (1058°F)

Flash Point (degrees C):

>343 (>650°F)

Flammable Limits % (Lower-Upper):

Not determined.

Recommended Fire Extinguishing Agents And Special Procedures:

Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire-exposed containers. Water or foam may cause frothing.

Unusual or Explosive Hazards:

Hazardous melting and dripping may occur at elevated temperatures. May burn at or above flash point, and airborne dust may explode if ignited. See National Fire Protection Prevention Association Bulletin 654, "Dust Explosion Prevention, Plastics Industry 1975".

Special Protective Equipment for Firefighters:

No special equipment or procedures required.

6. ACCIDENTAL RELEASE MEASURES (Transportation Spills: CHEMTREC (800)424-9300)

Procedures in Case of Accidental Release, Breakage or Leakage:

Avoid the generation of dust clouds. Place in appropriate containers for disposal or recycle. Avoid breathing dust. Pressure demand air supplied respirators should always be worn when the airborne concentration of the contaminant or oxygen is unknown. Otherwise, wear respiratory protection and other personal protective equipment as appropriate for the potential exposure hazard. Wear gloves, goggles, and protective clothing to avoid contact with eyes, skin, or clothing. Use vacuuming or sweeping compound for clean up. Do not dry sweep or use methods that increase dusting. Prevent entry into sewers and waterways.

If spilled when molten, allow to solidify. Sweep up released material. Clean up dust or fines with a special industrial vacuum cleaner.

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7. HANDLING AND STORAGE

Precautions to be Taken in

Handling:

Practice good housekeeping and clean up spills immediately, as this product can present a serious slipping hazard. The handling of this product during loading, unloading, and fabrication may generate nuisance dusts. Take necessary precautions to prevent exposure to these dusts. When unloading bulk vehicles, do not use metal sampling devices, such as a grain thief, due to the risk of static shock and potential ignition hazards. Pneumatic handling systems, augers, and other unloading devices should be free of contaminants.

Storage:

Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment (Type)

Eye/Face Protection:

Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact. Heat resistant face shield recommended when handling hot material.

Skin Protection:

Protective clothing such as coveralls or lab coats should be worn. Launder or dry-clean when soiled. Gloves and boots resistant to chemicals and petroleum distillates also recommended. Heat protective clothing should be worn when handling heated materials.

Respiratory Protection:

Airborne concentrations should be kept to lowest levels possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration of the contaminant or oxygen content is unknown.

Ventilation:

Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate. It is recommended that adequate ventilation be provided at external extrusion points where the product is at elevated temperatures.

Exposure Limit for the Total Product:

None established for product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Translucent pellets

Odor:

Odorless

Boiling Point (degrees C):

Not applicable.

Melting/Freezing Point (degrees C):

Softening Point: 160-164 (320-327°F)

Specific Gravity (water=1):

0.900 - 0.905

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pH:
Not applicable

Vapor Pressure:
Not applicable

Viscosity:
Not applicable

Vapor Density (Air=1):
Not Applicable

Solubility in Water (%):
Insoluble

Other:
None

10. STABILITY AND REACTIVITY

This Material Reacts Violently With:

Air Water Heat Strong Oxidizers Others None of these X

Comments:

This product is softened by oxidizing agents (i.e. nitric acid, free halogens), hydrocarbons (i.e. benzene, gasoline, petroleum ether), and by chlorinated hydrocarbons.

Products Evolved When Subjected to Heat or Combustion:

At processing temperatures some degree of thermal degradation will occur. A variety of decomposition products may occur including, simple hydrocarbons, to toxic and irritating gases such as carbon, carbon monoxide, carbon dioxide, acids, ketones, and aldehydes. Some special film grades may also release fluorinated organic substances.

Hazardous Polymerizations:

DO NOT OCCUR

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION (ANIMAL TOXICITY DATA)

Oral:

LD50 > 5.00 g/kg (rat) practically non-toxic

Dermal:

LD50 > 2.00 g/kg (rabbit) practically non-toxic

IRRITATION INDEX, ESTIMATION OF IRRITATION (SPECIES)

See "Other", below.

Other:

Product may contain dust or particulates that may cause eye irritation or abrasion.

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12. DISPOSAL CONSIDERATIONS:

Waste Disposal Methods:

This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

Remarks:

None

13. TRANSPORT INFORMATION

Transportation

DOT:

Proper Shipping Name:

Hazard Class:

Not regulated.

Identification Number:

Not regulated.

Packing Group:

Not regulated.

Label Required:

Not regulated.

IMDG Proper Shipping Name:

Not regulated.

ICAO Proper Shipping Name:

Not regulated.

TDG Proper Shipping Name:

Not regulated.

Hazard Class:

Not regulated.

Identification Number:

Not regulated.

Label Required:

Not regulated.

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14. REGULATORY INFORMATION

Federal Regulations:

SARA Title III: Section 302/304 Extremely Hazardous Substances

Chemical Name	CAS Number	Range in %	TPQ	RQ
None.				

Section 311 Hazardous Categorization:

Acute **Chronic** **Fire** **Pressure** **Reactive** **N/A X**

Section 313 Toxic Chemical	CAS Number	Concentration
Chemical Name		
None.		

CERCLA 102(A)/DOT Hazardous Substances:

Chemical Name	State Right-to know
None.	

California Prop.65:

The following detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

Chemical Name	CAS Number
None.	

INTERNATIONAL REGULATIONS:

TSCA Inventory Status:

This product, or its components, are listed on, or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

WHMIS Classification:

Not regulated.

Canadian Inventory Status:

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status:

This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

Australian Inventory Status:

This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

Japan Inventory Status:

This product, or its components, are listed on or are exempt from the Japanese Ministry of International Trade and Industry (MITI) inventory.

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15. ENVIRONMENTAL INFORMATION

Aquatic Toxicity:

Not determined.

Mobility:

Not determined.

Persistence and Biodegradability:

Not determined.

Potential to Bioaccumulate:

Not determined.

Remarks:

None

16. OTHER INFORMATION 07/01/2008

None

Date Issued: 07/01/2008.

THE INFORMATION IN THIS DATA SHEET IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT. IT IS PROVIDED FOR THE PURPOSE OF HAZARD COMMUNICATION AS PART OF GLOBAL DENTAL IMPRESSION TRAYS, INC. PRODUCT SAFETY PROGRAM. IT IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF THE PRODUCT BY A PROPERLY TRAINED PERSON. YOU ARE ENCOURAGED AND REQUESTED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN. THE DATA RELATES ONLY TO THE SPECIFIC PRODUCT DESIGNATED, AND DOES NOT RELATE TO USE OF THE PRODUCT IN COMBINATION WITH ANY OTHER MATERIAL OR USE OF THE PRODUCT IN ANY PROCESS. THE DATA IS NOT INTENDED TO CONSTITUTE PERFORMANCE INFORMATION CONCERNING THE PRODUCT. NO EXPRESS WARRANTY, OR IMPLIED WARRANTY OF MERCHANTABILITY FOR FITNESS FOR A PARTICULAR PURPOSE IS MADE WITH RESPECT TO THE PRODUCT, ITS COMPOSITION, ITS SAFETY OR THE INFORMATION CONTAINED IN THIS DATA SHEET.

TO DETERMINE THE APPLICABILITY OR THE EFFECTS OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, THE USER SHOULD CONSULT A LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. HUNTSMAN DOES NOT UNDERTAKE TO FURNISH ADVICE ON SUCH MATTERS.

CURRENT DATA SHEETS ARE AVAILABLE FOR ALL GLOBAL DENTAL IMPRESSION TRAYS, INC. PRODUCTS. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL GLOBAL DENTAL IMPRESSION TRAYS, INC. PRODUCTS YOU BUY, USE OR DISTRIBUTE BY CALLING (918) 246-2143 OR DIRECTING YOUR INQUIRIES TO:

**Global Dental Impression Trays, Inc.
2651 E. 21ST St., Ste. 300
Tulsa, OK 74114**

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED GLOBAL DENTAL IMPRESSION TRAYS, INC. EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR GLOBAL DENTAL IMPRESSION TRAYS, INC. PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT PERMISSION IN WRITING FROM GLOBAL DENTAL IMPRESSION TRAYS, INC. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET SHOULD BE DIRECTED TO GLOBAL DENTAL IMPRESSION TRAYS, INC., COORDINATOR, PRODUCT SAFETY AT THE ABOVE ADDRESS.

* Material Safety Data Sheet *

SECTION 6 - HEALTH HAZARD DATA

Exposure effects - Acute symptoms may occur.

Threshold limit value - OSHA permissible exposure limit not established.

Ingestion - Low toxicity if swallowed.

Inhalation - Low toxicity if inhaled.

Skin - Molten material will produce thermal burns if it is allowed to come in contact, or absorbed through skin.

Eye - May cause minimal irritation if allowed to come in contact with the eye area.

Chronic - No specific information.

Emergency and First Aid procedures

Eye contact - Flush with water to remove particles.

Skin contact - If molten material contacts skin, cool rapidly with cool water.

Ingestion - If a significant quantity has been swallowed, give two glasses of water to induce vomiting. Never give anything to an unconscious person.

Inhalation - Remove to fresh air. If breathing is difficult, give oxygen.

Seek medical attention for all above occurrences.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USAGE

Released or spilled material - Pellets are slippery, sweep up and place in a disposable container.

Waste disposal method - Incinerate or bury in landfill in accordance with federal, state, and local regulations. Waste material should be reviewed to determine the applicable hazards. This product should be tested for EP.

Handling and storage - Do not store near acids. Keep containers closed and wash hands thoroughly after handling.

SECTION 8 - CONTROL MEASURES

Respiratory protection - None needed.

Ventilation - Low exhaust is recommended when appropriate to control employee exposure.

Mechanical may not be adequate as the sole means to control employee exposure.

Protective equipment - Chemical goggles are recommended. Protective gloves are recommended during processing. Body protection is necessary to prevent skin contact.

* Material Safety Data Sheet *

SECTION 9 - FEDERAL AND STATE REGULATIONS

SECTION 313 NOTIFICATION

This product may contain toxic chemicals pertaining to the reporting requirements of Section 313, of the Sara Title 3 of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372.

Section 313 of Sara Title 3 requires this information to be attached to the material safety data sheet for this product.

<u>CHEMICAL NAME</u>	<u>CAS#</u>
Titanium Dioxide	13463-67-7
Metal Salt Azo Yellow	129423-54-7
C.I. pigment yellow 214/Organic	Proprietary
Zinc Stearate	557-05-1
Polypropylene	9003-07-0

State Regulations

The state of California regulation (proposition 65) identifies specific chemicals known to cause cancer or birth defects. Proposition 65 requires a disclosure for products sold within the state of California containing an identified chemical. The following disclaimer is required by the state of California: This product may contain chemicals known to the state of California to cause cancer or birth defects.

Data provided in this MSDS was obtained from evaluation studies by pigment, dye, and thermoplastics resin suppliers as well as literature references. As we believe this information to be accurate and reliable to the best of our knowledge, it is the responsibility of the user to request updated information on this specific product. Since conditions of use are beyond our control, we make no warranties, expressed or implied with respect to the information contained herein.