

# MATERIAL SAFETY DATA SHEET (FOR THE PLASTIC PARTS)

## 1. COMPANY AND PRODUCT IDENTIFICATION

**COMPANY:** Azure Ortho  
Division of Azure Microdynamics, Inc.  
20532 Crescent Bay, Suite 100  
Lake Forest, CA 92691, USA  
Phone: 949-699 3344

**PRODUCT:** VECS™ Palate Expander 10mm and 14 mm

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Product Name: Elastomeric O-Ring  
Chemical Family: Thermoplastic - Polyurethane  
Chemical Name: Polyurethane Polyester  
Formula: N/A - Polymeric Material  
Ingredient Name: Polyurethane from 4,4' methylenediphenyl; Gas Number: 26375-23-5;  
Concentration: 99%

## 3. HAZARD IDENTIFICATION

### Health Hazard Overview:

This product has non-hazardous ingredient as defined under the criteria of the Federal OSHA Hazardous Communication Standard 29 CFR 1910 1200

### Medical Conditions:

Aggravated by Exposure:	None
Exposure Limit:	None
Potential Health Effects:	None
Route(s) of Entry:	Eyes, Inhalation
Human Effects and Symptoms of overexposure:	None
Acute Inhalation:	No significant health hazard
Chronic Inhalation:	None
Acute Eye Contact:	Mechanical Irritation
Chronic Eye Contact:	None
Carcinogenicity:	None

## 4. FIRST AID MEASURES

First Aid for Eyes: Not applicable  
First Aid for Skin: Not applicable  
First Aid for Inhalation: Not applicable  
First Aid for Ingestion: Not applicable

## 5. FIRE-FIGHTING MEASURES

Flashpoint and Method: Not applicable

Flammability Limits: Not applicable  
Autoignition Temperature: Not available

General Hazard: In the form shipped, these material is not combustible  
Firefighting Instructions: No special instruction for product as shipped  
Firefighting Equipment: No special equipment for product as shipped  
Hazardous Combustion Products: In the form shipped, hazardous decomposition products are not expected

## **6. ACCIDENTAL RELEASE MEASURES**

Land/Water Spill: As shipped, this product does not pose a hazard to the environment.

## **7. HANDLING AND STORAGE**

Storage Temperature: Ambient  
Storage Pressure: Not applicable  
Shelf Life: 2 years  
General: Store in the seal container, protect from atmospheric moisture.

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Eye Protection Requirement: None  
Skin Protection Requirement: None  
Ventilation Requirement: None  
Respirator Requirements: None  
Additional Protective Measures: None

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical State: Solid  
Appearance: Gray in color (various other FDA allowable colors)  
Odor: Odorless  
PH: Not applicable  
Boiling Point: Not applicable  
Melting Point: 390 - 440 F  
Freezing Point: Not applicable  
Solubility in Water: Insoluble  
Specific Gravity: 1.2 G/cm<sup>3</sup> (in water = 1)  
Bulk Density: Approximately 10.01 Lbs/cm<sup>3</sup>  
Vapor Pressure: Not applicable  
Vapor Density: Not applicable  
Evaporation Rate: Not applicable  
Viscosity: Not applicable  
% Volatile by Volume: Not applicable

## **10. STABILITY AND REACTIVITY**

Stability: Stable  
Hazardous Polymerization: Will not occur  
Incompatibilities: None know  
Instability Conditions: None know  
Decomposition Products: By fire, carbon monoxide, carbon dioxide, traces of HCN and MDI

## **11. TOXICOLOGICAL INFORMATION**

### **EMERGENCY OVERVIEW**

**CAUTION:** Contact with hot material will cause thermal burns, toxic gasses/fumes are given off during burning or decomposition and may cause allergic skin and respiratory reaction; melted product is flammable and produces intense heat and dense smoke during burning.

## **12. ECOLOGICAL INFORMATION**

None

## **13. DISPOSAL CONSIDERATION**

### **General:**

Contact appropriate parties to ensure compliance with all federal, state and local rules and regulation related to waste treatment and disposal.

## **14. TRANSPORT INFORMATION**

For Hazardous Wastes: DOT (Department of Transportation)  
Proper Shipping Name: Not regulated  
Hazard Class: Non-hazardous  
Identification Number: None applicable  
Packing Group: None applicable  
Emergency Respond Guide Number: None applicable

## **15. REGULATORY INFORMATION**

TSCA (Toxic Substances Control Act): Not applicable  
CERCLA (Comprehensive Response Compensation and Liability Act): Not applicable  
SARA Title III (Superfund Amendments and Reauthorization Act):  
302 Extremely Hazardous Substance: Not applicable  
311/312 Hazardous Category: Not applicable  
313 Hazardous Category: Not applicable  
RERA Status: None hazardous

## **15. OTHER INFORMATION**

### **Hazard Ratings:**

	<b>NFPA</b>	<b>HMIS</b>
Health	0	0
Flammability	0	0
Reactivity	0	0

### **NOTE:**

While the information set forth on this Material Safety Data Sheet is believed to be accurate as of the revision date, Azure Ortho and its parent company Azure MicroDynamics, Inc. makes no warranty with respect thereto and disclaims all liability from reliance thereon.

No warranty, either express or implied of merchantability or fitness or of any nature with respect to the material or data herein is made hereunder.