# **SAFETY DATA SHEETS**

# This SDS packet was issued with item:

074595674

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

074597191 074598371

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

074598041 074598058 071085281 074594081 074595682 074596169 074596193 074596227 074596250 074596284 074596318 074596342 074596375 074596409 074596433 074596466 074596474 074596490 074596524 074596532 074596557 074596987 074596995 074597019 074597043 074597076 074597100 074597134 074597167 074597225 074597258 074597282 074597316 074597332 074597340 074597357 074597365 074597373 074597381 074597399 074597407 074597415 074597423 074597431 074597449 074597456 074597464 074597472 074597480 074597498 074597506 074597944 074597969 074598355



# SAFETY DATA SHEET

Issue Date 26-Sept-2014 Revision Date Version 1

### 1. IDENTIFICATION

**Product Identifier** 

Product Name JET TOOTH SHADE POWDER

Other means of identification

**SDS#** 018

**Product Code** 1410, 1412, 1420, 1430, 1450, 1470, 1480, 1484, 1493

Recommended use of the chemical and restrictions on use

Recommended Use Fabrication of provisional crowns and bridges

Details of the supplier of the safety data sheet

**Supplier Address** 

Lang Dental Mfg. Co., Inc. 175 Messner Dr. Wheeling, IL 60090

USA

**Emergency telephone number** 

Company Phone Number 847-215-6622

**Emergency Telephone (INFOTRAC)** 352-323-3500 (International)

800-535-5053 (North America)

### 2. HAZARDS IDENTIFICATION

Classification This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29

CFR 1910.122); however, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and

proper use of this product and should be retained for employees and other users of this product.

Physical State Powder Appearance Fine, pigmented Odor Fain odor in bulk

Hazards not otherwise classified (HNOC) Not applicable

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %	Trade Secret
Polymer	9011-14-7	< 90	*
Diethyl phthalate	84-66-2	< 20	*

<sup>\*</sup>Specific chemical weight has been withheld as a trade secret.

## 4. FIRST AID MEASURES

### First aid measures

**Inhalation** Remove to fresh air. Get medical attention if discomfort persists.

Jet Tooth Shade Powder 018 Page 1 of 6

Eye contact Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. If irritation persists,

get medical advice / attention.

Ingestion Do NOT induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk.

Never give anything by mouth to an unconscious person. Call a physician or poison control center

immediately and provide an estimate of when and how much material was ingested.

Skin Contact Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash

before reuse.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

#### Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### **Extinguishing Media**

**Suitable:** Water, carbon dioxide (CO<sub>2</sub>), dry chemical

**Unsuitable:** Avoid extinguishing methods which may generate dust clouds.

#### Specific hazards arising from the chemical

For bulk size: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

#### Protective equipment and precautions for firefighters

Self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

# Personal precautions, protective equipment and emergency procedures

thoroughly before reuse.

### Methods and material for containment and clean-up

**Method for containment** Prevent further leakage or spillage if safe to do so.

Method for clean-up Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up

spills. Clean up in accordance with all applicable regulations. Wash all affected areas with plenty of

warm water and soap.

## 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing dust or

fume. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly

after handling. Do not eat, drink or smoke when using this product.

#### Conditions for safe storage, including any incompatibilities

Jet Tooth Shade Powder 018 Page 2 of 6

Storage Conditions Keep containers tightly closed to prevent water absorption and contamination. Store in a dry, cool

and well-ventilated place away from direct sunlight or other sources of light or intense heat.

Preferable storage temperature not to exceed 35°C.

Packaging materials Keep in original container.

Incompatible materials Strong oxidizing agents

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Exposure guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethyl phthalate 84-66-2	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated)	TWA: 5 mg/m <sup>3</sup>

**Appropriate engineering controls** 

Apply technical measures to comply with the occupational exposure limits. When working with large quantities of product, provide adequate ventilation (e.g. local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

#### Individual protection measures, such as personal protective equipment

Eye / face protection Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to

US OSHA 29 CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure

that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and body protection If anticipated that prolonged and repeated skin contact will occur during use of this product, wear

gloves for routine industrial use. If necessary, refer to US OSHA 29 CFR SS1910.138 or the

appropriate standards of Canada or the EC member states.

**Respiratory protection**No special respiratory protection is required under typical circumstances of use or handling. If

necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS 1910.134, or applicable US state regulations, or the appropriate standards of Canada, its

provinces, EC member states or Australia. VENTILATION: Local exhaust at processing equipment.

**General hygiene considerations**Handle in accordance with good industrial hygiene and safety practice.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

Physical statePowderOdorFaint odor in bulkAppearanceFineOdor thresholdNot determined

**Color** Pigmented

<u>Property</u> <u>Values</u> <u>Remarks / Method</u>

Non-flammable

pH Not determined
Melting point / freezing point
Boiling point / boiling range
Flash point
Supplicable
Flash point
Supplicable
Flash point
Not applicable
Not applicable

Flammability (solid, gas) Flammability limits in air

Upper flammability limitNot applicableLower flammability limitNot applicableVapor pressureNot applicable

Jet Tooth Shade Powder 018 Page 3 of 6

Vapor density Not applicable Specific gravity Not determined Water solubility Insoluble in water Solubility in other solvents Not determined Partition coefficient Not determined **Autoignition temperature** Not determined Decomposition temperature Not determined Kinematic viscosity Not determined Dynamic viscosity Not determined **Explosive properties** Not determined **Oxidizing properties** Not determined

### 10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions

<u>Chemical stability</u> Stable under recommended storage conditions

Possibility of hazardous reactions None under normal processing

Hazardous polymerization Does not occur.

<u>Conditions to avoid</u> Heating above 240°C / 464°F

<u>Incompatible materials</u> Strong oxidizing agents

Hazardous decomposition products Methacrylate monomer, oxides of carbon when burned

#### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposures

**Product information** This product has not been tested on animals to obtain toxicology data.

**Inhalation** Not expected to be an inhalation hazard under normal conditions of intended use

Eye contact Avoid contact with eyes.

Skin contact Avoid contact with skin.

Ingestion Do not taste or swallow.

### **Component information**

Chemical Name	ORAL LD50	DERMAL LD50	INHALATION LC50
Diethyl phthalate 84-66-2	8600 mg/kg (rat)	> 11200 mg/kg (rat)	-

#### Information on physical, chemical and toxicological effects

Symptoms Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classifiable as a human carcinogen (IARC group 3)

Numerical measures of toxicity – Product Not determined

### 12. ECOLOGICAL INFORMATION

Jet Tooth Shade Powder 018 Page 4 of 6

**Ecotoxicity** There is no specific data available for this product; however, very large releases may be harmful or fatal to overexposed aquatic life.

Chemical Name	Algae / aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Diethyl phthalate 84-66-2	23: 72 h Desmodesmus subspicatus mg/L EC50; 23: 72 h Desmodesmus subspicatus mg/L EC50 static; 21: 96 h Desmodesmus subspicatus mg/L EC50; 21: 96 h Desmodesmus subspicatus mg/L EC50; 21: 96 h Desmodesmus subspicatus mg/L EC50 static; 42-255: 72 h Pseudokirchneriella subcapitata mg/L EC50; 2.11-4.29: 96 h Pseudokirchneriella subcapitata mg/L EC50 static	17: 96 h Pimephales promelas mg/L LC50 flow-through; 16.8: 96 h Pimephales promelas mg/L LC50 static; 22: 96 h Lepomis macrochirus mg/L LC50 flow-through; 16.7: 96 h Lepomis macrochirus mg/L LC50 static; 12: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	-	36-74: 48 h Daphnia magna mg/L EC50; 86: 48 h Daphnia magna mg/L EC50 static

Persistence and degradability Not determined

<u>Bioaccumulation</u> Not determined

<u>Mobility</u> Not determined

Chemical Name	Partition coefficient	
Diethyl Phthalate	2.35	
84-66-2		

Other adverse effects Not determined

# 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

**Disposal of wastes**Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** For bulk only: Reuse of empty drums or containers is not recommended. Employees should be

advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with federal, state and local regulations.

Chemical Name	RCRA	RCRA-Basis for listing	RCRA-D Series Wastes	RCRA-U Series Wastes
Diethyl Phthalate	U088	Included in waste stream:	-	U088
84-66-2		F039		

### 14. TRANSPORTATION INFORMATION

**DOT** Not regulated

<u>IATA</u> Not regulated

IMDG Not regulated

## 15. REGULATORY INFORMATION

### **International Inventories**

Jet Tooth Shade Powder 018 Page 5 of 6

TSCA For use in FDA regulated products only United States Toxic Substances Control Act, Section 8(b) Inventory

DSL Listed Canadian Domestic Substances List

#### **US Federal Regulations**

#### SARA 311/312 Hazard Categories

Chemical Name	CWA-Reportable Quantities	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substances
Diethyl Phthalate 84-66-2	-	Х	Х	-

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ) Final
Diethyl Phthalate 84-66-2	1000 lb.	-	1000 lb. / 454 kg

#### **US State Regulations**

### **US State Right-to-know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Diethyl Phthalate	X	X	X
84-66-2			

# **16. OTHER INFORMATION**

HMIS	Health Hazards	Flammability	Physical Hazards
	1	1	0

Issue Date

26-Sept-2014

**Revision Date Revision Note** 

### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release. It 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 used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet** 

Jet Tooth Shade Powder 018 Page 6 of 6



# **SAFETY DATA SHEET**

Issue Date 26-Sept-2014 Revision Date 21-Oct-2015 Version 3

### 1. IDENTIFICATION

**Product Identifier** 

Product Name JET TOOTH SHADE POWDER

Other means of identification

**SDS#** 018

**Product Code** 1410, 1412, 1420, 1430, 1450, 1470, 1480, 1484, 1493

Recommended use of the chemical and restrictions on use

Recommended Use Fabrication of provisional crowns and bridges

Details of the supplier of the safety data sheet

Supplier Address Lang Dental Mfg. Co., Inc.

175 Messner Dr. Wheeling, IL 60090

USA

**Emergency telephone number** 

Company Phone Number 847-215-6622

**Emergency Telephone (INFOTRAC)** 352-323-3500 (International)

800-535-5053 (North America)

Authorized European Representative MediMark® Europe SARL

11, rue Emile Zola – BP 2332 38033 Grenoble Cedex 2

France

Tel: +33 476 86 43 22 Fax: +33 476 17 19 82

Email: info@medimark-europe.com

# 2. HAZARDS IDENTIFICATION

#### Classification

Skin sensitization Category 1

Signal word Warning

<u>Hazard statements</u> H317 May cause an allergic skin reaction.



Physical State Powder Appearance Fine, white or pigmented Odor Faint odor in bulk

**Precautionary Statements - Prevention** 

P261 Avoid breathing dust, fumes, gas, mist, vapors or spray.

P264 Wash hands and exposed skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

Jet Tooth Shade Powder 018 v.3 Page 1 of 6

#### Precautionary Statements - Response

P302+P352 IF ON SKIN: Wash with soap and water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

#### Precautionary Statements - Disposal

P501 Dispose of contents/container to an approved waste disposal plant.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight - %	Trade Secret
Polymer	9011-14-7	< 90	*
Benzoyl Peroxide	94-36-0	< 2	

<sup>\*</sup>Specific chemical weight has been withheld as a trade secret.

#### 4. FIRST AID MEASURES

#### First aid measures

**Inhalation** Remove to fresh air. Get medical attention if discomfort persists.

Eye contact Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes. If irritation persists,

get medical advice / attention.

Ingestion Do NOT induce vomiting. Drink plenty of water or milk immediately. If vomiting, continue to offer water or milk.

Never give anything by mouth to an unconscious person. Call a physician or poison control center

immediately and provide an estimate of when and how much material was ingested.

**Skin Contact** Wash with soap and water. If irritation persists, call a physician. Take off contaminated clothing and wash

before reuse.

### Most important symptoms and effects, both acute and delayed

**Symptoms** Skin contact may aggravate an existing dermatitis. Direct contact with eyes may cause temporary irritation.

# Indication of any immediate medical attention and special treatment needed

### 5. FIRE-FIGHTING MEASURES

#### **Extinguishing Media**

**Suitable:** Water, carbon dioxide (CO<sub>2</sub>), dry chemical

Unsuitable: Avoid extinguishing methods which may generate dust clouds.

#### Specific hazards arising from the chemical

For bulk size: Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust.

#### Protective equipment and precautions for firefighters

Self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

#### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

Jet Tooth Shade Powder 018 v.3 Page 2 of 6

thoroughly before reuse.

Methods and material for containment and clean-up

**Method for containment** Prevent further leakage or spillage if safe to do so.

**Method for clean-up** Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up

spills. Clean up in accordance with all applicable regulations. Wash all affected areas with plenty of

warm water and soap.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

Advice on safe handling Use only in well-ventilated areas. Avoid contact with skin, eyes or clothing. Avoid breathing dust or

fume. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly

after handling. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed to prevent water absorption and contamination. Store in a dry, cool

and well-ventilated place away from direct sunlight or other sources of light or intense heat.

Temperature not to exceed 35°C.

Packaging materials Keep in original container.

Incompatible materials Strong oxidizing agents

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### **Exposure guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Benzoyl peroxide	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	IDLH: 1500 mg/m <sup>3</sup>
94-36-0	_	TWA: 5 mg/m <sup>3</sup> (vacated)	TWA: 5 mg/m <sup>3</sup>

Appropriate engineering controls

Apply technical measures to comply with the occupational exposure limits. When working with

large quantities of product, provide adequate ventilation (e.g. local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. Use good local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

### Individual protection measures, such as personal protective equipment

Eye / face protection Depending on the use of this product, safety glasses or goggles may be worn. If necessary, refer to

US OSHA 29 CFR SS1910.133, Canadian standards or the European Standard EN 166. Ensure

that an eyewash station, sink or washbasin is available in case of exposure to eyes.

Skin and body protection If anticipated that prolonged and repeated skin contact will occur during use of this product, wear

gloves for routine industrial use. If necessary, refer to US OSHA 29 CFR SS1910.138 or the

appropriate standards of Canada or the EC member states.

**Respiratory protection**No special respiratory protection is required under typical circumstances of use or handling. If

necessary, use only respiratory protection authorized per US OSHA requirement in 29 CFR SS

Jet Tooth Shade Powder 018 v.3 Page 3 of 6

1910.134, or applicable US state regulations, or the appropriate standards of Canada, its provinces, EC member states or Australia. VENTILATION: Local exhaust at processing equipment.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Odor Physical state Powder Faint odor in bulk Appearance Odor threshold Fine Not determined

Color White or pigmented

**Property** Remarks / Method **Values** 

рΗ Not determined Melting point / freezing point Not determined Boiling point / boiling range Not applicable Flash point 303°C / 577°F **Evaporation rate** Not applicable Flammability (solid, gas) Non-flammable

Flammability limits in air

Upper flammability limit Not applicable Lower flammability limit Not applicable Vapor pressure Not applicable Vapor density Not applicable Specific gravity Not determined Water solubility Insoluble in water Solubility in other solvents Not determined Partition coefficient Not determined Auto ignition temperature Not determined **Decomposition temperature** Not determined Kinematic viscosity Not determined Dynamic viscosity Not determined **Explosive properties** Not determined **Oxidizing properties** Not determined

# 10. STABILITY AND REACTIVITY

Reactivity Not reactive under normal conditions

Chemical stability Stable under recommended storage conditions

Possibility of hazardous reactions None under normal processing

> Hazardous polymerization Does not occur.

Heating above 240°C / 464°F Conditions to avoid Incompatible materials Strong oxidizing agents

Hazardous decomposition products Methacrylate monomer, oxides of carbon when burned

#### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposures

**Product information** This product has not been tested on animals to obtain toxicology data.

> Inhalation Not expected to be an inhalation hazard under normal conditions of intended use

Eye contact Avoid contact with eyes. Skin contact Avoid contact with skin. Ingestion Do not taste or swallow.

#### Component information

Chemical Name	ORAL LD50	DERMAL LD50	INHALATION LC50
Benzoyl peroxide	6400 mg/kg (rat)	-	-
94-36-0			

#### Information on physical, chemical and toxicological effects

Symptoms See Section 4.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Not classifiable as a human carcinogen (IARC group 3)

Numerical measures of toxicity - Product Not determined

The following values are calculated based on chapter 3.1 of the GHS document.

ATEmix (oral) 6250 mg/kg

# 12. ECOLOGICAL INFORMATION

Ecotoxicity There is no specific data available for this product; however, very large releases may be harmful or fatal to overexposed

aquatic life.

 Persistence and degradability
 Not determined

 Bioaccumulation
 Not determined

 Mobility
 Not determined

 Other adverse effects
 Not determined

### 13. DISPOSAL CONSIDERATIONS

Waste treatment methods

**Disposal of wastes**Follow all local and national government regulations in disposing material or contaminated

packaging.

Chemical Name	California Hazardous Waste Status
Benzoyl peroxide	6400 mg/kg (rat)
94-36-0	

Contaminated Packaging For bulk only: Reuse of empty drums or containers is not recommended. Employees should be

advised of the potential hazards due to residual material associated with empty containers. Dispose of all empty containers properly in accordance with federal, state and local regulations.

Chemical Name	California Hazardous Waste Status
Benzoyl peroxide	Toxic, Ignitable, Reactive
94-36-0	-

### 14. TRANSPORTATION INFORMATION

DOTNot regulatedIATANot regulatedIMDGNot regulated

## 15. REGULATORY INFORMATION

**International Inventories** 

TSCA For use in FDA regulated products only United States Toxic Substances Control Act, Section 8(b) Inventory

DSL Listed Canadian Domestic Substances List

Jet Tooth Shade Powder 018 v.3 Page 5 of 6

EU Regulations EC No. 1272/2008 (CLP) Classification, Labeling, Packaging

Medical Devices Directive 93/42/EEC - Class I Medical Devices

### **US Federal Regulations**

Chemical Name	CAS	Weight %	SARA 313 - Threshold Values %
Benzoyl peroxide	94-36-0	1	1.0

### **US State Regulations**

### **US State Right-to-know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Benzoyl peroxide	X	X	X
94-36-0			

# 16. OTHER INFORMATION

HMIS	Health Hazards	Flammability	Physical Hazards
	1	1	0

Issue Date26-Sept-2014Revision Date21-Oct-2015

**Revision Note** Update component classification in sections 2, 3, 8, 11, 12, 13, 15

Information to be updated in due course Hazard pictograms listed in this SDS to be added to product label

### **Disclaimer**

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End of Safety Data Sheet