

SAFETY DATA SHEETS

This SDS packet was issued with item:

070848879

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

070848812 070848820 070848838 070848861 070848887

Section I - Company Information

Manufacturer: **Patterson Companies, Inc.**
1031 Mendota Heights Road
St. Paul, MN 55120

24-hour Emergency Response Number: 800.424.9300.

Tel: 800.328.5536; Fax: 651.686.9331

www.pattersoncompanies.com

Section II - Hazardous Ingredients/Identity Information

Hazardous Components		OSHA PEL	ACGIH TLV	Other Limits Recommended
Polymer	9011-14-7	15 mg/m ³	10 mg/m ³	
Polymer	9010-88-2	15 mg/m ³	10 mg/m ³	
Dibutyl Phthalate	84-74-2	5 mg/m ³	5 mg/m ³	

Section III - Physical/Chemical Characteristics

Boiling Point: N/A	Specific Gravity (H ₂ O=1): 1.25
Vapor Pressure (mm Hg.): N/A	Melting Point: N/A
Vapor Density (AIR=1): N/A	Evaporation Rate (Butyl Acetate =1): N/A
Solubility in Water: Insoluble	Appearance and Odor: Fine, pink or white powder. Faint odor in bulk.

Section IV - Fire and Explosion Hazard Data

Flash Point : 304°C Flammable Limits LEL: N/A UEL: N/A

Extinguishing Media: Water, carbon dioxide, dry chemical.

Unusual Fire and Explosion Hazards: Polymer dust is combustible. The explosive limits of the polymer particles suspended in the air are approximately those of coal dust.

Special Fire Fighting Procedures: Avoid extinguishing methods which may generate dust clouds. Water stream can disperse dust in the air, producing a fire hazard and possible explosion hazard.

Section V - Reactivity Data

Stability: Stable Conditions to Avoid: Heating above 300°C.

Incompatibility: Strong oxidizing agents.

Hazardous Decomposition or By-products: Acrylate and methacrylate monomers and oxides of carbon.

Hazardous Polymerization: Will Not Occur Conditions to Avoid: N/A

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation? N/A Skin? N/A Ingestion? N/A

Health Hazards: Acute or Chronic; N/A

Carcinogenicity: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Signs and Symptoms of Exposure: N/A

Medical Conditions Generally Aggravated by Exposure: Avoid inhalation of dust. Keep dust out of eyes to prevent possible irritation.

Emergency and First Aid Procedures: Inhalation: Remove to fresh air. Get medical help if discomfort persists. Eye: Flush with water for 15 minutes, including under the eyelids. Skin: Wash with soap and water.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: Sweep up to avoid slipping hazards. Keep airborne particulate at a minimum when cleaning up spills.

Waste Disposal Method: May be disposed of in a landfill or incinerated. Follow Federal, State, and Local regulations.

Precautions to Be Taken in Handling and Storing: Store in a cool, dry place. Keep container closed to prevent water absorption and contamination.

Section VIII - Control Measures

Respiratory Protection: Nuisance dust type if needed

Ventilation Local Exhaust: Recommended
Mechanical (General): NAIF

Special: NAIF

Other: NAIF

Protective Gloves: If hot plastic is handled

Eye Protection: Safety glasses

Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: N/A

Patterson Product Codes: 070848812, 070848820, 070848838, 070848861, 070848879, 070848887

Date Prepared: 05/12/2011

SECTION 1 : Identification of the substance/preparation and of the company / undertaking**(a) GHS product identifier**

Patterson 15 Minute Denture Base

(e) Emergency phone number

CHEMTREC 1-800-424-9300

(b) Other means of identification

NA

(c) Recommended use of the chemical and restrictions on use

For professional dental applications.

(d) Supplier's details

Patterson Companies, Inc.
1031 Mendota Heights Road
Saint Paul, MN 55120
Phone: 1-800-328-5536

SECTION 2: Hazards identification**(a) GHS classification of the substance/mixture****Substance Name**

1. Polymer	ND
2. Polymer	ND
3. Dibutyl Phthalate	Repr. 1B Aquatic Acute 1

Note: As the Dibutyl Phthalate is incorporated in the insoluble polymer matrix, the possibility of exposure from handling this material is minimal.

(b) Label Elements**Hazard Statements**

Suspected of damaging fertility or the unborn child
Very toxic to aquatic life

Precautionary statements**Prevention**

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves/protective clothing/eye protection/face protection.

Response

IF exposed or concerned: Get medical advice/attention.

Storage

Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard Symbol(s)

Health Hazard
Environment

Signal Word(s)

Danger

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4/3/2015

SECTION 2: Hazards identification (cont.)

(c) Other hazards which do not result in classification

For Polymer

OSHA classifies this material as Particulates, Not Otherwise Classified.

Acute hazards:

IF IN EYES: May be irritating to the eyes by gross overexposure, no matter how generated.**IF SWALLOWED:** Not expected to cause any harmful effects.**IF ON SKIN:** May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.**IF INHALED:** May be irritated by gross overexposure, no matter how generated.

Chronic hazards:

None known.

For Diethyl Phthalate

Chronic Hazards:

IF INHALED: Persons with impaired lung function or asthma-like conditions may experience additional breathing difficulties.**REPRODUCTIVE:** Possible teratogen.**IF ON SKIN:** Persons with pre-existing skin disorders may be more susceptible to this material.

SECTION 3: Composition/information on ingredients

(a) Chemical(s) Identity:

(b) Common Name:

1. Polymer

2. Polymer

3. Dibutyl Phthalate

(c) CAS No.

9011-14-7

9010-88-2

84-74-2

Mixture:

Concentration (Percentage)

20.0 - 70.0%

20.0 - 70.0%

0.0 - 10.0%

SECTION 4: First-aid measures**(a) Description of first aid measures:**

IF exposed or concerned: Get medical advice/attention

IF ON SKIN (or hair): If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the effected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately.

IF ON CLOTHING: Remove contaminated clothing, wash thoroughly before reuse.

IF INHALED: Remove to fresh air. Seek immediate medical attention.

IF SWALLOWED: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give anything by mouth to an unconscious person. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Get medical attention immediately

IF IN EYES: If product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician.

TREATMENT: Treat symptoms conventionally, after thorough decontamination.

(b) Most important symptoms and effects, both acute and delayed:

Vomiting, burning sensation of the mouth, throat and gastrointestinal tract or abdominal pain.

(c) Indication of any immediate medical attention and special treatment needed:

Vomiting, burning sensation of the mouth, throat and gastrointestinal tract or abdominal pain.

SECTION 5: Fire-fighting measures**(a) Suitable extinguishing media:**

Water, carbon dioxide, dry chemical.

(b) Special hazards arising from the chemical or mixture:

Polymer dust is combustible. The explosive limits of the polymer particles suspended in air are approximately those of coal dust. Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source.

(c) Special protective equipment and precautions for fire-fighters:

Avoid extinguishing methods, which may generate dust clouds. Water stream can disperse dust into air producing a fire hazard and possible explosion hazard if exposed to ignition source. Firefighters should wear self-contained breathing apparatus.

SECTION 6: Accidental release measures**(a) Personal precautions, protective equipment and emergency procedures:**

Before cleaning any spill or leak, individuals involved must wear appropriate Personal Protective Equipment (e.g., goggles, gloves).

(b) Environmental precautions:

Avoid release to the environment. Collect spillage. Dispose of properly in accordance with local, state and federal regulations.

(c) Methods and material for containment and cleaning up:

Sweep up to avoid slipping hazard. Keep airborne particulates at a minimum when cleaning up spills. Wash all affected areas with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.

SECTION 7: Handling and storage**(a) Precautions for safe handling:**

Use in well ventilated areas. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Use good personal hygiene and housekeeping. Avoid prolonged contact with the product. Use in a well-ventilated location (e.g., local exhaust ventilation, fans). After use, wash hands and exposed skin with soap and water. Do not eat, drink or smoke while handling product.

(b) Conditions for safe storage, including any incompatibilities:

Store containers in a cool, dry location, away from direct sunlight, other light sources, or sources of intense heat. Keep container closed to prevent water absorption and contamination.

SECTION 8: Exposure controls/Personal protection

(a) Control parameters:

Chemical	ACGIH	OSHA
	TLV TWA	PEL TWA
1. Polymer	10 mg/m ³	15 mg/m ³
2. Polymer	10 mg/m ³	15 mg/m ³
3. Dibutyl Phthalate	5 mg/m ³	5 mg/m ³

(b) Appropriate Engineering Controls:

When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Use local exhaust at processing equipment, including buffers, sanders, grinders and polishers.

(c) Individual protection measures:

RESPIRATORY: A respirator should be worn whenever workplace conditions warrant a respirators use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134 or other appropriate governing standard.

EYE PROTECTION: Depending on the use of this product safety glasses or goggles may be worn. If necessary, refer to U.S. OSHA 29 CFR §1910.133, or other appropriate governing standard. Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes.

PROTECTIVE GLOVES: If anticipated that prolonged & repeated skin contact will occur during use of this product, wear gloves for routine industrial use. If necessary, refer to U.S. OSHA 29 CFR §1910.138 or other appropriate governing standard.

OTHER PROTECTIVE EQUIPMENT: No special body protection is required under typical circumstances of use and handling. If necessary refer to U.S. OSHA or other appropriate governing standard. An eyewash station and a safety shower are recommended. High temperature processing equipment should be well ventilated.

SECTION 9: Physical and chemical properties

(a) **Appearance:** Fine clear to pigmented powder.

(b) **Odor:** Faint odor in bulk.

(c) **Odor threshold:** ND

(d) **pH:** ND

(e) **Melting point / freezing point:** ND

(f) **Initial boiling point and boiling range:** ND

(g) **Flash point:** > 304° C, 580° F

(h) **Evaporation rate (BuAc=1):** ND

(i) **Flammability:** NA

(j) **Upper/lower flammability or explosive limits:** NA

(k) **Vapor Pressure:** NA

(l) **Vapor density:** NA

(m) **Relative density:** NA

(n) **Solubility:** Insoluble

(o) **Partition coefficient: n-octanol/water:** ND

(p) **Auto-ignition temperature:** NE

(q) **Decomposition temperature:** ND

(r) **Viscosity:** NA

SECTION 10: Stability and reactivity

- (a) **Reactivity:** Hazardous polymerization will not occur.
- (b) **Chemical stability:** Stable
- (c) **Possibility of hazardous reactions:** Will not occur.
- (d) **Conditions to avoid:** Heating above 240° C, 464° F. Strong oxidizing agents.
- (f) **Hazardous decomposition products:** Methacrylate monomer and oxides of carbon when burned.

SECTION 11: Toxicological information**Acute toxicity**

Skin corrosion/irritation	May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact.
Serious Eye Damage / Irritation	May be irritating to the eyes by gross overexposure, no matter how generated. Symptoms of overexposure may include redness, itching, irritation and watering. Keep dust out of eyes.
Respiratory or skin sensitization	May be irritated by gross overexposure, no matter how generated
Germ cell mutagenicity	NA
Carcinogenicity	ND
Reproductive toxicity	ND
STOT-single exposure	ND
STOT-repeated exposure	ND
Aspiration Hazard	ND

- (a) **Exposure route:** Inhalation, ingestion or skin/eye exposure

(b) Symptoms related to the physical, chemical and toxicological characteristics:

Vomiting, burning sensation of the mouth, throat and gastrointestinal tract or abdominal pain.

(c) Delayed and immediate effects and also chronic effects from short and long tem exposure:

ND

(d) Numerical measures of toxicity:

Chemical	ACGIH	OSHA
	TLV_TWA	PEL TWA
1. Polymer	10 mg/m ³	15 mg/m ³
2. Polymer	10 mg/m ³	15 mg/m ³
3. Dibutyl Phthalate	5 mg/m ³	5 mg/m ³

SECTION 12: Ecological information**(a) Ecotoxicity:**

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

(b) Persistence and degradability: ND**(c) Bioaccumulative potential:** ND**(d) Mobility in soil:** ND**(e) Other adverse effects:** ND

SECTION 13: Disposal considerations**Product:****Recommendation**

Dispose in a landfill or incinerate according to Federal, State, and Local regulations. 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.

SECTION 14: Transport information**(a) UN Number**

Not Regulated

(b) UN Proper shipping name

NA

(c) Transport hazard class(es)

NA

(d) Packing Group

NA

(e) Environmental hazards

NA

(f) Transport in bulk

NA

(g) Other Information**SECTION 15: Regulatory information****SARA Reporting Requirements:**

Yes

SARA Threshold Planning Quantity:

There may be specific Threshold Planning Quantities for the components of this product.

TSCA Inventory Status:

The components of this product are listed on the TSCA Inventory. For use in FDA regulated products only.

Other Federal Requirements:

This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).

Other Canadian Regulations:

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDL. None of the components of this product are listed on the Priorities Substances List.

State Regulatory Information:

This product may contain components that are covered under specific state criteria.

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4/3/2015

SECTION 16: Other information**PREPARED BY:** Kathryn Harris**GAR QMS SDS REFERENCE:**

A088

HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:

Health	1
Flammability	1
Reactivity	0
Other	Gloves and Safety Glasses or Chemical Goggles.

REVISION NUMBER: 150403**CHANGES FROM PREVIOUS VERSION:** INITIAL VERSION**ABBREVIATIONS**

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
μ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cento	W Weeks
LC Lethal Concentration	

ACGIH American Conference of Governmental Industrial Hygienist

CPR Controlled Product's Regulation

DSL Canadian Domestic Substances List

NDSL Canadian Non-domestic Substance List

IARC International Agency for Research for Cancer

NOEL No Observed Effect Level

NOAEL No Observed Adverse Effect Level

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

TLV Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.



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According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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Patterson 15 Minute Denture Base

SECTION 1: Identification

Product identifier

Product name: Patterson 15 Minute Denture Base

Product code: 070848812, 070848820, 070848838, 070848861, 070848879, 070848887

Recommended use of the product and restriction on use

Relevant identified uses: For professional dental applications.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

Supplier

Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
1-800-328-5536 Fax:1-651-686-9331

Emergency telephone number:

United States

CHEMTREC

Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)

Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

SECTION 2: Hazard(s) identification

GHS classification:

Reproductive toxicity, category 1B

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H360 May damage fertility or the unborn child

Precautionary statements:

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P281 Use personal protective equipment as required

P308+P313 If exposed or concerned: Get medical advice/attention

P405 Store locked up

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P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 84-74-2	Dibutyl Phthalate	<10
CAS number: 9011-14-7	Polymer	20-70
CAS number: 9010-88-2	Polymer	20-70

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Not determined or not applicable.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Not determined or not applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

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Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

Unsuitable extinguishing media:

Not determined or not applicable.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion

Heating causes a rise in pressure, risk of bursting and combustion

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation

Ensure air handling systems are operational

Wear protective eye wear, gloves and clothing

Environmental precautions:

Should not be released into the environment

Prevent from reaching drains, sewer or waterway

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

Sweep or scoop up solid material while minimizing dust generation

Dispose of contents / container in accordance with local regulations

Reference to other sections:

Not determined or not applicable.

SECTION 7: Handling and storage

Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing dust.

Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Keep container dry.

Store in a cool, well-ventilated area.

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
United States (OSHA)	Dibutyl Phthalate	84-74-2	OSHA PEL TWA: 5 mg/m3
NIOSH	Dibutyl Phthalate	84-74-2	NIOSH IDLH: 4000 mg/m3

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

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Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.
Biological monitoring may also be appropriate for some substances.

Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Personal protection equipment

Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

Skin and body protection:

Select glove material impermeable and resistant to the substance.
Wear appropriate clothing to prevent any possibility of skin contact.

Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

General hygienic measures:

Avoid contact with skin, eyes and clothing.
Wash hands before breaks and at the end of work.
Wash contaminated clothing before reuse.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Fine clear to pigmented powder
Odor	Not determined or not available.
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	580°F (304°C)
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.

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Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Does not react under normal conditions of use and storage.

Chemical stability:

Stable under normal conditions of use and storage.

Possibility of hazardous reactions:

None under normal conditions of use and storage.

Conditions to avoid:

None known.

Incompatible materials:

None known.

Hazardous decomposition products:

None known.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Dibutyl Phthalate	dermal	LD50 Rabbit dermal 20 ml/kg.
	oral	LD50 Mouse oral 5289 mg/kg.
	inhalation	LC50 Mouse inhalation 25 g/cu m/2 hr

Skin corrosion/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Serious eye damage/irritation

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

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Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: May damage fertility or the unborn child

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
Dibutyl Phthalate	LC50: 210 ug/L for 96 hr
	LC50 - Pimephales promelas (fathead minnow) - 0.85 mg/l - 96.0 h

Chronic (long-term) toxicity

Product data: No data available.

Substance data: No data available.

Persistence and degradability

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Product data: No data available.

Substance data: No data available.

Bioaccumulative potential

Product data: No data available.

Substance data: No data available.

Mobility in soil

Product data: No data available.

Substance data: No data available.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

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According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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9011-14-7	Polymer	Listed
9010-88-2	Polymer	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

9011-14-7	Polymer	Not Listed
9010-88-2	Polymer	Not Listed

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

9011-14-7	Polymer	Not Listed
9010-88-2	Polymer	Not Listed

New Jersey Right to Know:

9011-14-7	Polymer	Not Listed
9010-88-2	Polymer	Not Listed

New York Right to Know:

9011-14-7	Polymer	Not Listed
9010-88-2	Polymer	Not Listed

Pennsylvania Right to Know:

9011-14-7	Polymer	Not Listed
9010-88-2	Polymer	Not Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal 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 used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

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End of Safety Data Sheet