

# SAFETY DATA SHEET

## SECTION 1. IDENTIFICATION



Great Lakes Orthodontics  
200 Cooper Ave  
Tonawanda, NY 14150

716-871-1161  
800-828-7626  
CHEMTREC: 800-424-9300

**Product Name:** Summer Shades Biocryl (Rigid Polyvinyl Chloride)  
**Product Number:** 021-086, 021-087, 021-088, 021-089, 021-090

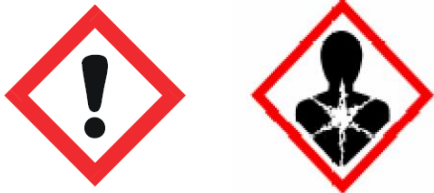
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## SECTION 2. HAZARDOUS IDENTIFICATION

### Classification

Serious eye damage / eye irritation	Category 2 (H319)
Carcinogenicity	Category 2 (H351)
Specific target organ toxicity (single exposure)	Category 3 (H335)
Aspiration toxicity	Category 1 (H304)

### Label Elements



### Hazard Statements

H304 – May be fatal if swallowed and enters airways  
H319 – Causes serious eye irritation  
H335 – May cause respiratory irritation  
H351 – Suspected of causing cancer

### Precautionary Statements

Wear protective gloves, protective clothing, eye protection, and face protection  
Do NOT induce vomiting

### Hazards not otherwise classified (HNOC)

May be harmful if swallowed  
May be harmful if contact with skin  
Combustible liquid

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Components</u>	<u>CAS #</u>	<u>Weight %</u>	<u>Trade Secret</u>	<u>Note</u>
Isophorone	78-59-1	30 – 60	*	
Naphtha (petroleum), heavy aromatic	64742-94-5	10 – 30	*	
Ethyl 3 – Ethoxypropionate	763-69-9	5 – 10	*	
Petroleum Naphtha, light aromatic	64742-95-6	1 – 5	*	
1,2,4 – Trimethylbenzene (constituent)	95-63-6	1 – 5	*	1
Naphthalene (constituent)	91-20-3	1 – 5	*	1
1,3,5 – Trimethylbenzene (constituent)	108-67-8	< 0.5	*	1
Cumene (constituent)	98-82-8	< 0.5	*	1

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

NOTE 1 – Type of chemical: Constituent

### SECTION 4. FIRST AID MEASURES

#### **General Advice**

Show this safety data sheet to the doctor in attendance.

#### **Eye Contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Get medical attention if irritation develops and persists.

#### **Skin Contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation (redness, rash, blistering) develops, get medical attention.

#### **Inhalation**

Remove person to fresh air and keep comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

#### **Ingestion**

DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

#### **Most Important Symptoms and effects, both acute and delayed**

None under normal use conditions.

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

Notes to physician – Treat symptomatically

## **SECTION 5. FIRE FIGHTING MEASURES**

### **Suitable Extinguishing Media**

Foam, Carbon Dioxide (CO<sub>2</sub>), dry chemical, and water spray.

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

### **Special Fire Fighting Procedures**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray. Sealed containers may rupture when heated.

### **Unusual Fire / Explosion Hazards**

Thermal decomposition can lead to release of irritating gases and vapors. May emit toxic fumes under fire conditions.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions**

Remove all sources of ignition. Ventilate the area. Avoid contact with eyes, skin, and clothing. Avoid breathing dust or vapor. Evacuate personnel to safe areas. Keep people away from and upwind of spill / leak.

### **Environmental Precautions**

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. Keep out of drains, sewers, ditches, and waterways. Local authorities should be advised if significant spillages cannot be contained.

### **Methods and Material for Containment and Cleaning Up**

Contain spillage and then collect with non-combustible absorbent material, (e.g.: sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13). Use clean non-sparking tools to collect absorbed material.

## **SECTION 7. HANDLING & STORAGE**

### **Handling**

Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Ensure adequate ventilation.

### **Storage**

Keep containers tightly closed in a dry, cool, and well ventilated place. Keep away from open flames, hot surfaces, and sources of ignition. Keep container closed when not in use. Keep out of reach of children.

### **Incompatible Products**

Strong acids, strong bases, strong oxidizing, and reducing agent.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>CAS #</u>	<u>ACGIH TLV</u>
Isophorone	78-59-1	Ceiling – 5ppm
Naphthalene (constituent)	91-20-3	TWA – 10 ppm, STEL – 15 ppm Skin
Cumene (constituent)	98-82-8	TWA – 50 ppm

<u>Component</u>	<u>CAS #</u>	<u>OSHA PEL</u>
Isophorone	78-59-1	TWA – 4 ppm, 23 mg/m <sup>3</sup> , 25 ppm, 140 mg/m <sup>3</sup>
Naphthalene (constituent)	91-20-3	TWA – 10 ppm, 50 mg/m <sup>3</sup> , STEL – 15 ppm, 75 mg/m <sup>3</sup>
Cumene (constituent)	98-82-8	TWA – 50 ppm, 245 mg/m <sup>3</sup> Skin

<u>Component</u>	<u>CAS #</u>	<u>Ontario TWAEV</u>
Isophorone	78-59-1	CEV – 5ppm
Ethyl 3 – Ethoxypropionate	763-69-9	TWA – 50 ppm, 300 mg/m <sup>3</sup>
Naphthalene (constituent)	91-20-3	TWA – 10 ppm, STEL – 15 ppm Skin
Cumene (constituent)	98-82-8	TWA – 50 ppm

<u>Component</u>	<u>CAS #</u>	<u>Mexico OEL (TWA)</u>
Isophorone	78-59-1	Peak – 5ppm, 25 mg/m <sup>3</sup>
Naphthalene (constituent)	91-20-3	TWA/LMPE-PPT – 10 ppm, 50 mg/m <sup>3</sup> , STEL/LMPE-CT – 15 ppm, 75 mg/m <sup>3</sup>
Cumene (constituent)	98-82-8	TWA/LMPE-PPT – 50 ppm, 245 mg/m <sup>3</sup> STEL/LMPE – CT – 75 ppm, 365 mg/m <sup>3</sup>

### **Engineering Measures**

Provide a good standard of general ventilation. Natural ventilation is from doors, windows etc. Controlled ventilation means air is supplied or removed by a powered fan. Users are advised to consider national Occupational Exposure Limits or other equivalent values. In case of insufficient ventilation, wear suitable respiratory equipment.

### **Eye / Face Protection**

Wear safety glasses with side shields (or goggles). If splashes are likely to occur, wear suitable face shield. Ensure that eyewash stations and safety showers are close to the workstation location.

### **Skin Protection**

Wear impervious protective clothing, including boots, gloves, lab coat, apron, or coveralls, as appropriate to prevent skin contact.

### **Respiratory Protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Respiratory protection must be provided in accordance with current local regulations.

### **General Hygiene Considerations**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before eating, drinking, or smoking. Wash contaminated clothing before reuse. Avoid contact with eyes, skin, and clothing. Wear suitable gloves and eye/face protection. Regular cleaning of equipment, work area, and clothing is recommended.

## SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

- **Form** – Liquid
- **Appearance** – Color Liquid
- **Odor** – Characteristic
- **Odor Threshold** – No information available
- **Flash Point** – Setaflash closed cup
- **Photo chemically Reactive** – Yes
- **Weight Per Gallon (lbs/gal)** – 8.44

### No Data Available

PH, Melting point, Freezing Point, Boiling Point, Boiling Range, Evaporation Rate, Upper Flammability Limit, Lower Flammability Limit, Vapor Pressure, Vapor Density, Water Solubility, Solubility in other solvents, Partition Coefficient (n-octanol/water), Auto-ignition Temperature, Decomposition Temperature, Kinematic Viscosity, Dynamic Viscosity, Explosive Properties, and Oxidizing Properties

**VOC by Weight % (less water)** – 69.81

**VOC by Volume % (less water)** – 69.81

**VOC lbs/gal (less water)** – 5.9

**VOC grams/liter (less water)** – 706.88

## SECTION 10. STABILITY & REACTIVITY

**Conditions to Avoid** – Keep away from open flames, hot surfaces, and sources of ignition.

**Material to Avoid** – Strong acids, strong bases, strong oxidizing agents, and reducing agent.

**Hazardous Decomposition Products** – Thermal decomposition can lead to release of irritating gases and vapors, Carbon Dioxide (CO<sub>2</sub>), and Carbon Monoxide.

**Hazardous Polymerization** – None under normal processing.

**Chemical Stability** – Stable under normal conditions.

## SECTION 11. TOXICOLOGICAL INFORMATION

**Routes of Exposure** – Inhalation, Eye Contact, Skin Contact, Ingestion

There is no data for these products

<u>Component</u>	<u>Oral LD50</u>	<u>NTP</u>	<u>OSHA</u>
Isophorone	1870 mg/kg (rat)		
Naphtha (petroleum), heavy aromatic	> 5000 mg/kg (rat)		
Ethyl 3 – Ethoxypropionate	3200 mg/kg (rat)		
Petroleum Naphtha, light aromatic	8400 mg/kg (rat)		
1,2,4 – Trimethylbenzene (constituent)	3400 mg/kg (rat)		
Naphthalene (constituent)		Reasonably Anticipated	X
Cumene (constituent)			X

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

**ATEmix** – **Oral** 3,306.00 mg/kg    **Dermal** 2,442.00 mg/kg    **Inhalation-dust/mist** 14.00 mg/l

**SECTION 12. ECOLOGICAL INFORMATION (non-mandatory)**

**Not applicable**

**SECTION 13. DISPOSAL CONSIDERATIONS (non-mandatory)**

**Not applicable**

**SECTION 14. TRANSPORT INFORMATION (non-mandatory)**

**Not applicable**

**SECTION 15. REGULATORY INFORMATION (non-mandatory)**

**California Prop. 65**

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm

- Naphthalene (constituent) – Carcinogen
- Cumene (constituent) – Carcinogen

**Canada**

Isophorone

**NPRI – National Pollutant Release Inventory**

Part 4 Substance as set out in Section 65 of the List of Toxic

**SECTION 16. OTHER INFORMATION (non-mandatory)**

**Not applicable**