



85 JETSON LANE, CENTRAL ISLIP, NY 11722  
516.935.4000 • FAX 516.935.4039  
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*Advanced Surfacing Products & Technology*

## SAFETY DATA SHEET: UNICOL 8030S

### SECTION 1: CHEMICAL PRODUCT & COMPANY INFORMATION

APPLICABLE PART #: **BG8030S1, BG8030S5, BG8030S55** IDENTITY: **Unicol 8030S**

SUPPLIER: **Universal Photonics, Inc.** FOR INFORMATION CALL  
**85 Jetson Lane** CUSTOMER SERVICE **(516) 935-4000**  
**Central Islip, NY 11722** DATE PREPARED: **January 23, 2017**

EMERGENCY TELEPHONE NUMBER: **1.866.519.4752** **3-E COMPANY – ACCT # 3665**

### SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION: **Not a hazardous substance or mixture.**

GHS LABEL ELEMENT: **Not a hazardous substance or mixture.**

POTENTIAL HEALTH EFFECTS:  
INHALATION: **May cause respiratory tract irritation.**

SKIN: **Causes mild skin irritation.**

EYES: **May cause eye irritation.**

INGESTION: **May cause irritation of the mucous membranes.**

AGGRAVATED MEDICAL CONDITION: **None known**

IARC: **No ingredient of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.**

OSHA: **No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.**

NTP: **No component of this product presents at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.**

ACGIH: **No ingredient of this product presents at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.**

### SECTION 3: COMPOSITION INFORMATION

COMPONENT	CAS-No	WEIGHT %
<b>Silicon Dioxide</b>	<b>7631-86-9</b>	<b>25 – 35</b>
<b>**Trade Secret Information</b>	<b>-</b>	<b>65 - 75</b>

**\*\*NOTE: Non-Regulated components are proprietary, confidential, and trade secret.**

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### SECTION 4: FIRST AID MEASURES

GENERAL ADVICE:	No hazards which require special first aid measures.
IF INHALED:	If breathed in, move person into fresh air. If symptoms persist, call a physician.
IN CASE OF SKIN CONTACT:	Remove contaminated clothing and shoes. Rinse with water.
IN CASE OF EYE CONTACT:	Rinse with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
IF SWALLOWED:	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.
NOTES TO PHYSICIAN:	
SYMPTOMS:	No information available.
RISKS:	No information available.
TREATMENT:	Treat symptomatically

### SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
SPECIFIC HAZARDS DURING FIREFIGHTING / SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:	No hazards to be specially mentioned.
COMBUSTION PRODUCTS:	No hazardous combustion products are known
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:	In the event of fire, wear self-contained breathing apparatus.
FURTHER INFORMATION:	Standard procedure for chemical fires.

**See also Section 9. Physical and chemical properties: Safety data.**

### SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	No conditions to be specially mentioned.
ENVIRONMENTAL PRECAUTIONS:	No special environmental precautions required.
METHODS FOR CLEANING UP / METHODS FOR CONTAINMENT:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. If liquid has been spilt in large quantities clean up promptly by scoop or vacuum.
ADDITIONAL ADVICE:	For personal protection see section 8.

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### SECTION 7: HANDLING & STORAGE

**HANDLING:**

ADVICE ON SAFE HANDLING: **For personal protection see section 8. No special handling advice required.**

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION: **Normal measures for preventive fire protection.**

**STORAGE:**

REQUIREMENTS FOR STORAGE **Keep container tightly closed in a dry and well-ventilated place. Store in closed dark**  
AREAS AND CONTAINERS: **containers made of anti-corrosive material.**

ADVICE ON COMMON STORAGE: **No special restrictions on storage with other products.**

MINIMUM STORAGE TEMPERATURE: **Avoid temperatures below: 5 °C (41 °F)**

MAXIMUM STORAGE TEMPERATURE: **35 °C (95 °F)**

OTHER DATA: **No decomposition if stored and applied as directed.**

### SECTION 8: PERSONAL PROTECTION AND EXPOSURE CONTROLS

**SILICON DIOXIDE:**

CAS-No.	VALUE	CONTROL PARAMETERS	UPDATE	BASIS	FORM OF EXPOSURE
7631-86-9	TWA	<b>20 Million particles per cubic foot</b>	<b>2012-07-01</b>	<b>OSHA Z-3</b>	<b>Dust</b>
FURTHER INFORMATION	:	<b>a: Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques.</b> <b>mppcf X 35.3 = million particles per cubic meter = particles per c.c</b> <b>Silica</b>			
	TWA	<b>80mg/m3 / %SiO2</b>	<b>2012-07-01</b>	<b>OSHA Z-3</b>	<b>Dust</b>
FURTHER INFORMATION	:	<b>Silica</b>			
	TWA	<b>6 mg/m3</b>	<b>2013-10-08</b>	<b>NIOSH REL</b>	
FURTHER INFORMATION	:	<b>Silica</b>			

STEL: **Short term exposure** TWA: **Time Weighted Average**

ENGINEERING MEASURES: **Effective exhaust ventilation system**

**PERSONAL PROTECTIVE EQUIPMENT:**

EYE/FACE PROTECTION: **Safety glasses**

HAND PROTECTION: **Glove material: PVC**  
**Glove material: Rubber gloves**

RESPIRATORY PROTECTION: **No personal respiratory protective equipment normally required.**

HYGIENE MEASURES: **General industrial hygiene practice**

**ENVIRONMENTAL EXPOSURE CONTROLS:**

GENERAL ADVICE: **No special environmental precautions required**

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid	VAPOR PRESSURE:	ca. 23 hPa at 20 oC
COLOR:	Clear, cloudy	RELATIVE VAPOR DENSITY:	No data available
ODOR:	Slight	RELATIVE DENSITY:	Ca 1.40
ODOR THRESHOLD:	No data available	WATER SOLUBILITY:	dispersible
PH:	9-11	SOLUBILITY IN OTHER SOLVENTS:	No data available
MELTING POINT/RANGE:	0°C	PARTITION CO-EFFICIENT:	N/A
BOILING POINT/RANGE:	100 °C	AUTO IGNITION TEMPERATURE:	N/A
FLASH POINT:	N/A	DECOMPOSITION TEMPERATURE:	No data available
EVAPORATION RATE:	No data available	VISCOSITY, DYNAMIC:	< 50 mPa.s
FLAMMABILITY (SOLID, GAS):	not flammable	VISCOSITY, KINEMATIC:	No data available
LEL:	N/A	EXPLOSIVE PROPERTIES:	Not explosive
UEL:	N/A	OXIDIZING PROPERTIES:	Not classified as oxidizing

This material safety datasheet only contains information relating to safety and does not replace any product information or product specification.

### SECTION 10: STABILITY & REACTIVITY

REACTIVITY: **Stable under normal conditions.**

CHEMICAL STABILITY: **Stable under recommended storage conditions.**

POSSIBILITY OF HAZARDOUS REACTIONS: **No dangerous reaction known under conditions of normal use.**

CONDITIONS TO AVOID: **Avoid drying out of the solution as this can lead to a buildup of dust. For safety, store below: 35°C (95°F).**

MATERIALS TO AVOID: **Copper, Mild steel, Aluminum**

HAZARDOUS DECOMPOSITION PRODUCTS: **No hazardous decomposition products are known.**

THERMAL DECOMPOSITION: **No data available**

### SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGY ASSESSMENT: **Information given is based on data on the ingredients and the toxicology of similar products.**

ACUTE ORAL TOXICITY:  
SILICON DIOXIDE **LD50 Rat: > 3160 mg/kg**

COMPONENT ACUTE DERMAL TOXICITY:  
SILICON DIOXIDE: **LD50 Rabbit: > 2000 mg/kg**

SENSITIZATION: **Result: Did not cause sensitization on laboratory animals.  
Method: (Magnusson-Kligman):**

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The value is estimated from tests on similar products.

**GENOTOXICITY IN VITRO:**

**Ames test**

**Result: negative**

**Method: OECD Test Guideline 471**

The value is estimated from tests on similar products.

**CARCINOGENICITY:**

**IARC:**

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### SECTION 12: ECOLOGICAL INFORMATION

**ECOTOXICOLOGY ASSESSMENT**

**ADDITIONAL ECOLOGICAL**

**INFORMATION:**

**None known.**

**ECOTOXICITY EFFECTS:**

**TOXICITY TO FISH:**

**LC50: > 5,000 mg/l**

**Exposure time: 96 h**

**Species: Danio rerio (zebra fish)**

The value is estimated from tests on similar products.

**TOXICITY TO DAPHNIA AND OTHER**

**AQUATIC INVERTEBRATES:**

**EC50: 7,600 mg/l**

**Exposure time: 48 h**

**Species: Ceriodaphnia dubia (water flea)**

The value is estimated from tests on similar products.

**TOXICITY TO ALGAE:**

**NOEC: 60 mg/l**

**Exposure time: 48 h**

**Species: Selenastrum capricornutum (green algae)**

The value is estimated from tests on similar products.

**EC50: 120 mg/l**

**Exposure time: 48 h**

**Species: Selenastrum capricornutum (green algae)**

The value is estimated from tests on similar products.

**EC10: 140 mg/l**

**Exposure time: 48 h**

**Species: Selenastrum capricornutum (green algae)**

The value is estimated from tests on similar products.



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### PERSISTENCE AND DEGRADABILITY

BIOACCUMULATION: **No bioaccumulation is expected.**

MOBILITY: **No test results**  
**Under extreme circumstances, transport from earth to water may take place.**

DISTRIBUTION AMONG ENVIRONMENTAL COMPARTMENTS: **Transport to air is not expected.**

BIODEGRADABILITY: **Result: N/A**  
**Inorganic**

### FURTHER INFORMATION ON ECOLOGY:

BIOCHEMICAL OXYGEN DEMAND (BOD): **No data available**

### HAZARDOUS TO THE OZONE LAYER:

REGULATION: **40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances**

REMARKS: **This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).**

## SECTION 13: DISPOSAL INFORMATION

CONTAMINATED PACKAGING: **Empty remaining contents.**  
**Empty containers should be taken to an approved waste handling site for recycling or disposal.**

## SECTION 14: TRANSPORTATION INFORMATION

### INTERNATIONAL REGULATION:

ADR: **Not regulated as a dangerous good**

UNRTDG: **Not regulated as a dangerous good**

IATA-DGR: **Not regulated as a dangerous good**

IMDG-CODE: **Not regulated as a dangerous good**

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE: **Not applicable for product as supplied.**

FURTHER INFORMATION FOR TRANSPORT: **Not classified as dangerous in the meaning of transport regulations.**

### DOMESTIC REGULATION:

49 CFR: **Not regulated as a dangerous good**

TDG: **Not regulated as a dangerous good**

NOM-002-SCT: **Not regulated as a dangerous good**



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### SECTION 15: REGULATORY INFORMATION

#### NOTIFICATION STATUS

CH INV: **YES. On the inventory, or in compliance with the inventory**

TSCA: **YES. All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.**

DSL: **YES. All components of this product are on the Canadian DSL**

AICS: **YES. On the inventory, or in compliance with the inventory**

NZIoC: **YES. On the inventory, or in compliance with the inventory**

ENCS: **YES. On the inventory, or in compliance with the inventory**

ISHL: **YES. On the inventory, or in compliance with the inventory**

KECI: **YES. On the inventory, or in compliance with the inventory**

PICCS: **YES. On the inventory, or in compliance with the inventory**

IECSC: **YES. On the inventory, or in compliance with the inventory**

FOR EXPLANATION OF ABBREVIATION SEE SECTION 16.

TSCA LIST: **Not relevant**  
OSHA HAZARDS: **No OSHA hazards**

EPCRA - EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW

CERCLA REPORTABLE QUANTITY: **This material does not contain any components with a CERCLA RQ.**

SARA 304 EXTREMELY HAZARDOUS SUBSTANCES REPORTABLE QUANTITY: **This material does not contain any components with a section 304 EHS RQ.**

SARA 311/312 HAZARDS: **No SARA Hazards**

SARA 302: **No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**

SARA 313: **This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.**

CLEAN AIR ACT: **This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).  
This product does not contain any chemicals subject to disclosure and listed under the U.S. Clean Air Act Section**



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112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

CLEAN WATER ACT:

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307.

CALIFORNIA PROP. 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### SECTION 16: OTHER INFORMATION

HMIS RATING:	<b>Health 1</b>	<b>Flammability 0</b>	<b>Reactivity 0</b>	<b>Personal Protection B</b>
NFPA RATING:	<b>Health 1</b>	<b>Flammability 0</b>	<b>Reactivity 0</b>	



DEFINITIONS:

DOT – Department of Transportation

GHS – The Globally Harmonized System of Classification and Labeling of Chemicals

HMIS - Hazardous Materials Identification System

NFPA - National Fire Protection Association

NIOSH – National Institute for Occupational Safety and Health

NORM – Natural Occurring Radioactive Materials

IATA – International Air Transportation Association

IMO – International Maritime Organization

OSHA – Occupational Safety & Health Administration

TSCA – Toxic Substance Control Act

### DISCLAIMER

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