

SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

▶ Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

SAFETY DATA SHEET



1. Identification

Covestro LLC
1 Covestro Circle
Pittsburgh, PA 15205
USA

TRANSPORTATION EMERGENCY

CALL CHEMTREC: (800) 424-9300
INTERNATIONAL: (703) 527-3887

NON-TRANSPORTATION

Emergency Phone: Call Chemtrec
Information Phone: (844) 646-0545

Product Name: Bufferlite DU-2008
Material Number: 50025003
Chemical Family: UV-Curable Mixture
Use: Raw material for coatings, inks, adhesives, sealants, or elastomers in industrial applications
Restrictions on use: Do-It-Yourself Applications

2. Hazards Identification

GHS Classification

Skin sensitisation: Category 1

GHS Label Elements

Hazard pictograms:



Signal word: Warning

Hazard statements: May cause an allergic skin reaction.

Precautionary statements:

Prevention:

Avoid breathing dust, mist, gas, vapors or spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.

Response:

IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Wash contaminated clothing before reuse.

Disposal:

Dispose of contents and container in accordance with existing federal, state, and local environmental control laws.

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 1 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)**3. Composition/Information on Ingredients****Hazardous Components**

Concentration	Components	CAS-No.
15 - 40%	Tripropylene Glycol Diacrylate	42978-66-5
15 - 40%	Epoxy Acrylate	55818-57-0

The specific chemical identity and/or exact percentage of component(s) have been withheld as a trade secret.

4. First Aid Measures**Most Important Symptom(s)/Effect(s)**

Acute: May cause allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Eye Contact

In case of contact, flush eyes with plenty of lukewarm water. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Get medical attention if irritation develops.

Skin Contact

In case of skin contact, wash affected areas with soap and water. Wash off immediately with plenty of water for at least 15 minutes. Immediately remove contaminated clothing and shoes. Call a physician if irritation develops or persists. Wash clothing and shoes before reuse.

Inhalation

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion

If ingested, do not induce vomiting unless directed to do so by medical personnel. If a person vomits when lying on his back, place him in the recovery position. Get medical attention.

5. Firefighting Measures

Suitable Extinguishing Media: All extinguishing media are suitable.

Unsuitable Extinguishing Media No Data Available

Fire Fighting Procedure

Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. Use cold water spray to cool fire-exposed containers to minimize the risk of rupture.

Hazardous Decomposition Products

By Fire and Thermal Decomposition: Carbon dioxide (CO₂), carbon monoxide (CO), dense black smoke, Acrylate monomers, Aldehydes, Organic acids

Unusual Fire/Explosion Hazards

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 2 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG



Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Toxic and irritating gases/fumes may be given off during burning or thermal decomposition.

6. Accidental Release Measures**Spill and Leak Procedures**

Cleanup personnel must use appropriate personal protective equipment. Dike or dam spilled material and control further spillage, if possible. Prevent from entering open drains and waterways. Cover spill with inert material (e. g., dry sand or earth) and collect for proper disposal.

7. Handling and Storage**Handling/Storage Precautions**

Avoid breathing dust, vapor, or mist. Avoid contact with skin or clothing. Avoid contact with eyes. Use only with adequate ventilation/personal protection. Wash thoroughly after handling. Keep container closed when not in use.

Storage Temperature

Minimum: 15 °C (59 °F)

Maximum: 30 °C (86 °F)

Storage Conditions

Inhibitor only effective in the presence of oxygen. Exposure to light may cause product polymerization. Extreme heat will result in product polymerization. Protect against heat and direct sunlight.

Employee education and training in the safe use and handling of this product are required under the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Substances to Avoid

Exothermic reaction with:, Free radical initiators, Peroxides, strong alkalis, Strong acids, Reactive metals

8. Exposure Controls/Personal Protection

The recommendations in this section should not be a substitute for a personal protective equipment (PPE) assessment performed by the employer as required by 29 CFR 1910 Subpart I.

Exposure Limits

Country specific exposure limits have not been established or are not applicable

Any component which is listed in section 3 and is not listed in this section does not have a known ACGIH TLV, OSHA PEL or supplier recommended occupational exposure limit.

Industrial Hygiene/Ventilation Measures

General dilution and local exhaust as necessary to control airborne vapors, mists, dusts and thermal decomposition products below appropriate airborne concentration standards/guidelines.

Respiratory Protection

Respiratory protection is recommended in insufficiently ventilated working areas and during heating or spraying. For components with occupational exposure limits, when workers are facing concentrations above those limits, they must use appropriate certified respirators.

Hand Protection

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 3 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)

Ensure gloves remain in good condition during use and replace if any deterioration is observed. Permeation resistant gloves., Nitrile rubber gloves., Avoid natural rubber gloves., Do not wear PVC gloves, as PVC absorbs acrylates.

Eye Protection

Chemical safety goggles or safety glasses with side-shields.

Skin Protection

Permeation resistant clothing, Gloves, long sleeved shirts and pants.

Additional Protective Measures

Ultraviolet (UV) light source is used for curing this product. UV light can be hazardous to unprotected skin and eyes. Protective eyewear should always be worn when working in UV curing areas. Skin protection such as long sleeves, long pants, and gloves should be worn when UV lights are being used. Wear nitrile or other chemical resistant gloves to avoid skin contact when handling partially cured fabricated objects in the "green" state of cure (after initial laser cure). The fabricated objects may be handled without gloves after the object has been thoroughly washed with solvent (e.g. tripropylene glycol monomethyl ether, isopropyl alcohol) followed by exposure to UV light and/or an oven bake at temperatures above 130°C. When sanding fully cured surfaces, suitable respiratory protection for dust should be used. Good general ventilation is required when tooling or sanding to avoid inhalation of particulate matter or airborne particles. Avoid sanding or finishing parts that are not fully cured, as uncured material may cause skin sensitization or respiratory irritation. Not Noted

Employees should wash their hands and face before eating, drinking, or using tobacco products. Educate and train employees in the safe use and handling of this product. Emergency showers and eye wash stations should be available.

9. Physical and Chemical Properties

State of Matter:	liquid
Appearance:	liquid
Color:	yellowish
Odor:	characteristic
Odor Threshold:	No Data Available
pH:	No Data Available
Melting Point:	
Boiling Point:	
Flash Point:	> 100 °C (> 212 °F) (closed cup)
Evaporation Rate:	No Data Available
Lower explosion limit:	No Data Available
Upper Explosion Limit:	No Data Available
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Density:	1.12 g/cm ³ @ 20 °C (68 °F)
Relative Vapor Density:	No Data Available
Specific Gravity:	No Data Available
Solubility in Water:	No Data Available
Partition Coefficient: n-octanol/water:	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	Stable under recommended storage conditions. The product is chemically stable.
Unblocking Temperature:	No Data Available
Dynamic Viscosity:	1,200 mPa.s @ 20 °C (68 °F)
Kinematic Viscosity:	No Data Available

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 4 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com

SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

▶ Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Bulk Density: No Data Available
Molecular Weight: No Data Available
Self Ignition: not applicable

10. Stability and Reactivity**Hazardous Reactions**

No hazardous reactions when stored and handled correctly.

Stability
Stable**Materials to Avoid**

Exothermic reaction with: Free radical initiators, Peroxides, strong alkalis, Strong acids, Reactive metals

Conditions to Avoid

Exposure to sunlight. Product contains an inhibitor system. Must be inhibited to prevent hazardous polymerization. Inhibitor only effective in the presence of oxygen. Heat, flames and sparks.

Hazardous Decomposition Products

By Fire and Thermal Decomposition: Carbon dioxide (CO₂), carbon monoxide (CO), dense black smoke., Acrylate monomers, Aldehydes, Organic acids

11. Toxicological Information

Likely Routes of Exposure: Skin Contact
Eye Contact
Ingestion
Inhalation

Health Effects and Symptoms

Acute: May cause allergic skin reaction with symptoms of reddening, itching, swelling, and rash.

Chronic: Not expected to cause adverse chronic health effects.

Toxicity Data for: Bufferlite DU-2008

Data on the product is not available.

Please find the data available for the components.

Acute Oral Toxicity

Acute toxicity estimate: > 5,000 mg/kg (Calculation method)

Acute Dermal Toxicity

Acute toxicity estimate: 3,608 mg/kg (Calculation method)

Toxicity Data for: Tripropylene Glycol Diacrylate**Acute Oral Toxicity**

LD50: 6,200 mg/kg (rat)

Acute Dermal Toxicity

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 5 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG



Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

LD50: > 2,000 mg/kg (rabbit, male/female) (OECD Test Guideline 402)

Skin Irritation

rabbit, OECD Test Guideline 404, negative

Eye Irritation

rabbit, OECD Test Guideline 405, Slightly irritating

Sensitization

Skin sensitization (local lymph node assay (LLNA)):: positive (Mouse, OECD Test Guideline 429)

Repeated Dose Toxicity

Oral: NOAEL: 375, (rat, male/female, daily)

Dermal: NOAEL: 66,7, (rat, male/female, 5 days/week)

Mutagenicity

Genetic Toxicity in Vitro:

In vitro mammalian cell gene mutation test: negative (Chinese hamster ovary (CHO) cells, Metabolic Activation: with/without)

In vitro mammalian cell gene mutation test: positive (Mouse lymphoma cells, Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

In vivo micronucleus test: negative (Mouse, male/female, intraperitoneal)
negative

In vivo micronucleus test: negative (Mouse, female, intraperitoneal)
negative

Carcinogenicity

Mouse, male, Dermal, 2 times/week

NOAEL: > 25mg/kg bw/day

Toxicity to Reproduction/Fertility

Oral, daily, (rat, male/female) Oral, daily, (rat, male/female)

Developmental Toxicity/Teratogenicity

rat, female, Oral, daily, NOAEL (maternal): > 375 rabbit, female, Oral, daily, NOAEL (maternal): 450 rat, female, Oral, daily, NOAEL (teratogenicity): 250, NOAEL (maternal): 250

Other Relevant Toxicity Information

May cause irritation of respiratory tract.

Toxicity Data for: Epoxy Acrylate**Acute Oral Toxicity**

LD50: > 2,000 mg/kg (rat, male/female) (OECD Test Guideline 401)

Acute Inhalation Toxicity

LC50: > 4.9 mg/l, 4 h, dust/mist (rat, male/female) (OECD Test Guideline 403)

Acute Dermal Toxicity

LD50: > 2,000 mg/kg (rat, male/female) (OECD Test Guideline 402)

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 6 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

▶ Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Skin Irritation

rabbit, OECD Test Guideline 404, non-irritant

Eye Irritation

rabbit, OECD Test Guideline 405, slight irritant

Sensitization

Skin sensitization (local lymph node assay (LLNA)):: positive (Mouse, OECD Test Guideline 429)

Respiratory sensitization:

No data available.

Repeated Dose Toxicity

Oral: LOAEL: 100 mg/kg, (rat, male/female)

Mutagenicity

Genetic Toxicity in Vitro:

Ames test: negative (Metabolic Activation: with/without)

In vitro mammalian cell gene mutation test: negative (Metabolic Activation: with/without)

Genetic Toxicity in Vivo:

In vivo micronucleus test: negative (Mouse, male, Oral)

negative

Carcinogenicity

No data available.

Toxicity to Reproduction/Fertility

Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, Oral, (rat, male/female)

Developmental Toxicity/Teratogenicity

rat, female, Oral, NOAEL (teratogenicity): 1000, NOAEL (maternal): > 1000 rabbit, female, Oral, NOAEL (teratogenicity): 1000, NOAEL (maternal): 1000

Carcinogenicity:

No carcinogenic substances as defined by IARC, NTP and/or OSHA

12. Ecological Information**Ecological Data for: Bufferlite DU-2008**

Data on the product is not available. Please find below the ecotoxicological data available to us for the components.

Ecological Data for Tripropylene Glycol Diacrylate**Biodegradation**

40 - 50 %, i.e. not readily degradable

Bioaccumulation

Accumulation in aquatic organisms is unlikely.

Acute and Prolonged Toxicity to Fish

LC50: 1 - 10 mg/l (Leuciscus idus (Golden orfe), 96 h)

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 7 of 10

Data is subject to change without notice.

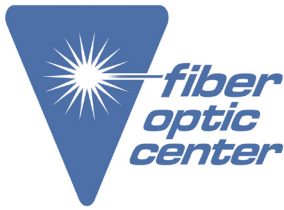
Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG



Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Acute Toxicity to Aquatic Invertebrates

EC50: 10 - 100 mg/l (Daphnia magna (Water flea), 48 h)

Toxicity to Aquatic Plants

ErC50: 10 - 100 mg/l, (scenedesmus subspicatus, 72 h)

Toxicity to Microorganisms

EC50: > 10,000 mg/l, (Pseudomonas putida, 0.5 h)

Ecological Data for Epoxy Acrylate**Biodegradation**

42 %, Exposure time: 28 d, i.e. not readily degradable

Bioaccumulation

An accumulation in aquatic organisms is not to be expected.

Acute and Prolonged Toxicity to Fish

LC50: > 0.082 mg/l (Cyprinus carpio (Carp), 96 h)

No toxic effects in the water-soluble range.

Acute Toxicity to Aquatic Invertebrates

EL50: > 100 mg/l (Daphnia magna (Water flea), 48 h)

Toxicity to Aquatic Plants

EL50: 105 mg/l, (Pseudokirchneriella subcapitata (green algae), 72 h)

Toxicity to Microorganisms

EC50: > 1,000 mg/l, (activated sludge, 3 h)

13. Disposal Considerations**Waste Disposal Method**

Waste disposal should be in accordance with existing federal, state and local environmental control laws.

Empty Container Precautions

Empty containers retain product residue (dust, liquid, vapor and/or gases) and can be dangerous. Do not reuse empty container.

14. Transportation Information**Land transport (DOT)**

Non-Regulated

Sea transport (IMDG)

Proper Shipping Name:

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S. (contains Tripropylene glycol diacrylate, Bisphenol A
diglycidyl diacrylate)

Hazard Class or Division:

9

UN number:

UN3082

Packaging Group:

III

Hazard Label(s):

MISCELLANEOUS

Marine pollutant:

Marine pollutant

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 8 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)**Air transport (ICAO/IATA)****Proper Shipping Name:**Environmentally hazardous substance, liquid, n.o.s. (contains Tripropylene glycol diacrylate, Bisphenol A diglycidyl diacrylate)
9**Hazard Class or Division:**

UN number: UN3082

Packaging Group: III

Hazard Label(s): MISCELLANEOUS

Marine pollutant: Marine pollutant

15. Regulatory Information**United States Federal Regulations****US. Toxic Substances Control Act:** Listed on the Active Portion of the TSCA Inventory.

No substances are subject to TSCA 12(b) export notification requirements.

US. EPA CERCLA Hazardous Substances (40 CFR 302.4) Components:

None

SARA Section 311/312 Hazard Categories:

Refer to hazard classification information in Section 2.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A) Components:

None

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Components:

None

US. EPA Resource Conservation and Recovery Act (RCRA) Composite List of Hazardous Wastes and Appendix VIII Hazardous Constituents (40 CFR 261):

Under RCRA, it is the responsibility of the person who generates a solid waste, as defined in 40 CFR 261.2, to determine if that waste is a hazardous waste.

State Right-To-Know Information

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the SDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

Massachusetts, New Jersey or Pennsylvania Right to Know Substance Lists:

<u>Concentration</u>	<u>Components</u>	<u>CAS-No.</u>
15 - 40%	Tripropylene Glycol Diacrylate	42978-66-5
15 - 40%	Epoxy Acrylate	55818-57-0
>=1%	Polyether Polyol	25322-69-4
>=1%	Oligomer	37302-70-8
3 - 7%	2-Benzoyl-2-hydroxypropane	7473-98-5

Massachusetts Right to Know Extraordinarily Hazardous Substance List:

<u>Concentration</u>	<u>Components</u>	<u>CAS-No.</u>
<100 ppm	Furan	110-00-9
<100 ppm	Propylene Oxide	75-56-9
<100 ppm	Acetaldehyde	75-07-0

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 9 of 10

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com[Learn More](#)

SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)**California Proposition 65 List:**

<u>Concentration</u>	<u>Components</u>	<u>CAS-No.</u>
<0.1%	Toluene	108-88-3
<100 ppm	Furan	110-00-9
<100 ppm	Propylene Oxide	75-56-9
<100 ppm	Acetaldehyde	75-07-0

CFATS (Chemical Facility Anti-Terrorism Standards) Chemicals

To the best of our knowledge, this product does not contain Appendix A Chemicals of Interest (COI), at or above the Screening Threshold Quantity (STQ), as defined by the Department of Homeland Security Chemical Facility Anti-terrorism Standard (CFATS, 6 CFR Part 27).

Based on information provided by our suppliers, this product is considered "DRC Conflict Free" as defined by the SEC Conflict Minerals Final Rule (Release No. 34-67716; File No. S7-40-10; Date: 2012-08-22).

16. Other Information

Contact: Product Safety Department
Telephone: (412) 413-2835
Version Date: 07/09/2024
SDS Version: 1.3

Information contained in this Safety Data Sheet (SDS) is believed to be accurate but is furnished without warranty, express or implied, including warranties of merchantability or fitness for a particular purpose. The information relates only to the specific material designated herein. Covestro LLC assumes no legal responsibility for use of or reliance upon the information in this SDS and such information shall in no case be considered a part of our terms and conditions of sale. The user is responsible for determining whether the Covestro product is suitable for user's method of use or application. Covestro is not liable for any failure to observe the precautionary measures described in this SDS or for any misuse of the product.

Material Name: Bufferlite DU-2008

Material Number: 50025003

Page: 10 of 10

*Data is subject to change without notice.***Contact the professionals at Fiber Optic Center for a quote or to get more details.**23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com

SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)

Safety Data Sheet Bufferlite® DU-2008

**Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
2-propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	48 % - 28 days	-	-
1-Propanone, 2-hydroxy-2-methyl-1-phenyl-	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	90 to 100 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
2-propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester	-	-	Inherent
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, 2-propenoate	-	-	Not readily
1-Propanone, 2-hydroxy-2-methyl-1-phenyl-	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
2-propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis[oxy(methyl-2,1-ethanediyl)]] ester	2	-	low
Phenol, 4,4'-(1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, 2-propenoate	1.6 to 3	-	low
1-Propanone, 2-hydroxy-2-methyl-1-phenyl-	1.62	-	low

Mobility in soilSoil/water partition coefficient (K_{oc}) : Not available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com

SAFETY DATA SHEET (SDS)



Manufacturer:

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

▶ Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Safety Data Sheet	Bufferlite® DU-2008	
-------------------	---------------------	--

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	UN3082	UN3082
UN proper shipping name	-			ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1-Propanone, 2-hydroxy-2-methyl-1-phenyl-, 2-propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis [oxy(methyl-2,1-ethanediyl)]] ester)	Environmentally hazardous substance, liquid, n. o.s. (1-Propanone, 2-hydroxy-2-methyl-1-phenyl-, 2-propenoic acid, 1,1'-[(1-methyl-1,2-ethanediyl)bis [oxy(methyl-2,1-ethanediyl)]] ester)
Transport hazard class(es)	-			9 	9
Packing group	-			III	III
Environmental hazards	No.	No.	No.	Yes.	Yes.

Additional information

IMDG :
IATA :

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations : TSCA 4(a) final test rules: Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-
TSCA 8(a) CDR Exempt/Partial exemption: See remarks
United States inventory (TSCA 8b): See remarks
Clean Water Act (CWA) 307: toluene
Clean Water Act (CWA) 311: toluene; Propylene oxide; acetaldehyde

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

23 Centre Street • New Bedford, MA 02740 USA • focenter.com

508-992-6464 | (800) 473-4237 • sales@focenter.com



SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)

Safety Data Sheet Bufferlite® DU-2008



	Product/ingredient name	CAS #	%
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	acrylic acid	79-10-7	0.0694
	toluene	108-88-3	0 - 0.033
	Propylene oxide	75-56-9	0.0002
	acetaldehyde	75-07-0	0.0001

Clean Air Act Section 602 : Not listed

Class I Substances

Clean Air Act Section 602 : Not listed

Class II Substances

DEA List I Chemicals : Not listed

(Precursor Chemicals)

DEA List II Chemicals : Not listed

(Essential Chemicals)**SARA 313**

	Product name	CAS number	%
Form R - Reporting requirements			
Supplier notification			

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : None of the components are listed.

Pennsylvania : The following components are listed: 2-PROPENOIC ACID; BENZENE, METHYL-

California Prop. 65

⚠ WARNING: This product can expose you to chemicals including Furan, Propylene oxide and acetaldehyde, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Toluene	-	Yes.
Furan	-	-
Propylene oxide	-	-
acetaldehyde	Yes.	-

International regulations**Chemical Weapon Convention List Schedules I, II & III Chemicals**

Ingredient name	List name	Status
Not listed.		

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Ingredient name	List name	Status
Not listed.		

Rotterdam Convention on Prior Informed Consent (PIC)

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com

SAFETY DATA SHEET (SDS)

**Manufacturer:**

Covestro

Product Name:

Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating (Matrix Coating), UV Cure (10 kg)

Manufacturer Part Number:

COV-DU-2008-10KG

[Click here for more details on the Covestro Bufferlite™ DU-2008 Tight Buffer Optical Fiber Coating \(Matrix Coating\), UV Cure \(10 kg\)](#)

Safety Data Sheet Bufferlite® DU-2008



Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Ingredient name	List name	Status
Not listed.		

Remarks : Relevant declarations related to this product are available on request.**Section 16. Other information****History**

Code : 015808WW35497
Date of printing : 5/11/2022
Date of issue/Date of revision : 5/11/2022
Date of previous issue : 9/13/2021
Version : 7
Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

Procedure used to derive the classification

Classification	Justification
SKIN IRRITATION - Category 2	Calculation method
EYE IRRITATION - Category 2B	Calculation method
SKIN SENSITIZATION - Category 1	Calculation method
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3	Calculation method

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

Information contained in this SDS is believed to be accurate but is furnished without warranty, express or implied, including warranties of merchantability or fitness for a particular purpose. The information relates only to the specific material designated herein. Covestro LLC. assumes no legal responsibility for use of or reliance upon the information in this SDS and such information shall in no case be considered a part of our terms and conditions of sale. The user is responsible for determining whether the Covestro product is suitable for user's method of use or application. Covestro is not liable for any failure to observe the precautionary measures described in this SDS or for any misuse of the product.

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.23 Centre Street • New Bedford, MA 02740 USA • focenter.com508-992-6464 | (800) 473-4237 • sales@focenter.com[Learn More](#)