



SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 – Product Identifiers

Product Name: 5,5'-[(4,9-dihydro-4,4,9,9-tetraoctyl-s-indaceno[1,2-b:5,6-b']dithiophene-2,7-diyl)bis(2,1,3-benzothiadiazole-7,4-diylmethylidene)]bis[3-ethyl-2-thioxo-4-Thiazolidinone

Product Number: O-IDTBr

Brand: Brilliant Matters

CAS#: 2077945-91-4

1.2 - Identified uses of the substance and uses advised against

Product Use: For laboratory research purposes, for formulation into printable inks

1.3 – Safety datasheet supplier details:

Brilliant Matters Inc.

1405, Boul. du Parc Technologique, 2nd floor

Quebec City, Qc

G1P 4P5, Canada

1.4 - Emergency contact information

Telephone: 1-418-905-3080

Fax: +1 4189053080

Emergency Phone #:1-418-905-3080

2. HAZARDS IDENTIFICATION

2.1 - Classification of the substance or mixture

Not a hazardous substance

Not WHMIS controlled

2.2 - GHS Classification

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

2.3 Hazards not otherwise classified or not covered by GHS

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 – Substance

Synonyms: IDTBR-O

Formula: C₇₂H₈₈N₆O₂S₈

Molecular Weight: 1326.03 g/mol

CAS-No.	EC-No.	Index-No.	Concentration
2077945-91-4	-	-	<=100%

4. FIRST AID MEASURES

4.1 - General first aid measures

If inhaled - If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact - Wash off with soap and plenty of water. Consult a physician.

In case of eye contact - Rinse thoroughly with plenty of water for at least 15 minutes as a precaution. Consult a physician.

If swallowed - Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 - Immediate medical attention and special treatment

N/A

5. FIREFIGHTING MEASURES

5.1 - Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 - Hazardous combustion products

Carbon oxides, Nitrogen oxides (NO_x), Sulphur oxides, Hydrogen chloride.

5.3 - Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 - Further information

Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

6.1 - Personal precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 - Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 - Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

7.1 - Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

7.2 - Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Handle and store under inert gas. Air sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 - Personal protective equipment

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Specific engineering controls

Use mechanical exhaust or laboratory fumehood to avoid exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 - Appearance

Solid form

Dark blue to black

9.2 - Basic Safety data

pH - no data available

Melting point/freezing point - no data available

Boiling point – no data available

Flash point - no data available

Ignition temperature - no data available

Auto-ignition temperature - no data available

Lower explosion limit - no data available

Upper explosion limit - no data available

Vapour pressure - no data available

Density - no data available

Water solubility - no data available

Relative vapour density - no data available

Odour - no data available

Odour Threshold - no data available

Evaporation rate - no data available

10. STABILITY AND REACTIVITY

10.1 - Chemical stability

Stable under recommended storage conditions.

10.2 - Possibility of hazardous reactions

no data available

10.3 - Conditions to avoid

Exposure to light may affect product quality.

10.4 - Materials to avoid

Strong oxidizing agents

10.5 - Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO), Sulphur oxides

Other decomposition products - No data available

11. TOXICOLOGICAL INFORMATION

11.1 - Toxicological effects

Acute toxicity

no data available

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

Respiratory or skin sensitisation

no data available

Germ cell mutagenicity

no data available

Carcinogenicity

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

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

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)

Inhalation - May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)

no data available

Aspiration hazard

no data available

Additional Information

RTECS: Not available

12. ECOLOGICAL INFORMATION**12.1 - Toxicity**

no data available

12.2 - Persistence and degradability

no data available

12.3 - Bioaccumulative potential

no data available

12.4 - Mobility in soil

no data available

12.5 - PBT and vPvB assessment

no data available

12.6 - Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

no data available

13. DISPOSAL CONSIDERATIONS

13.1 - Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

13.2 - Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

WHMIS Classification

Not WHMIS controlled.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations

16. OTHER INFORMATION

The information herein is believed to be reliable; it is furnished without warranty of any kind. It shall be used only as a guide. Brilliant Matters Inc. assumes no liabilities from the use of this product or information contained herein.