

TFB (n-butyl)

SAFETY DATA SHEET [SDS]



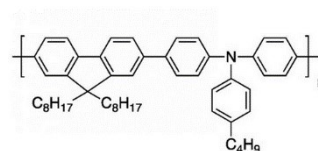
SOLARIS CHEM

SECTION 1

Identification of the substance/mixture and of the company

Product	TFB (n-butyl)
Product #	SOL2436
Brand	Solaris Chem
CAS#	223569-31-1
Revision Date	2021.02.03
Company	Solaris Chem Inc.
Address	3650 Cite-des-Jeunes, suite 101, Vaudreuil-Dorion, Qc, Canada, J7V 8P2
Phone Number	(514) 730-8653

Structure



SECTION 2

Hazards identification

WHMIS
Rating

Not WHMIS controlled. Not dangerous substance or mix (by GHS)

Label elements

Not a hazardous substance or mixture according to Regulation (EC) No.1272/2008.

Other hazards

None known.

Notes

See section 11

SECTION 3

Composition/information on ingredients

Substance	Poly[(9,9-dioctylfluorenyl-2,7-diyl)-co-(4,4'-(N-(4-n-butylphenyl)diphenylamine))] – TFN (n-butyl)
CAS#	223569-31-1
SARA 313	No
Chemical Formula	(C ₅₁ H ₆₁ N) _n

SECTION 4

First aid measures

Oral Exposures	If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation	If inhaled, move to fresh air. If breathing becomes difficult, call a physician.
Skin exposure	In case of contact, immediately wash skin with soap and copious amounts of water.
Eye exposure	In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

SECTION 5

Firefighting measures

Flash Point	N/A
Auto-ignition	N/A
Flammability	N/A
Extinguishing Media	Water spray, alcohol-resistant foam, dry chemical or carbon dioxide
Firefighting	Protective Equipment: Wear self-contained breathing apparatus if necessary Specific Hazard(s): Emits toxic fumes under fire conditions.

SECTION 6

Accidental release measures

Personal Precaution	Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.
Cleaning up	Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.
Environment	Do not let the product escape into the environment

SECTION 7

Handling and storage

Handling	Avoid dust inhalation. Avoid contact with eyes, skin, and clothing. Avoid pro-longed or repeated exposure.protection.
Storage	Keep tightly closed in a cool, well ventilated, dry place.
Special Requirements	Store under inert gas. Oxygen sensitive. Light sensitive.

SECTION 8

Exposures controls/personal protection

Safety Equipment

Contains no substances with occupational exposure limit values.

Personal Protective Equipment

Respiratory: Use respirators and components tested and approved under appropriate government standards (NIOSH (US) or CEN(EU)). Respiratory protection not required. The use of type N95 (US) or type P1 (EN 143) dust masks is recommended.

Hand: Anti-static protective gloves recommended.

Eye: Appropriate safety goggles.

General Hygiene Measures

Wash thoroughly after handling with soap and water.

SECTION 9

Physical and chemical properties

Color

Pale yellow

Appearance

Powder or fibres

pH

N/A

Boiling Point

N/A

Melting Point

> 300 °C(> 572 °F)

Freezing Point

N/A

Vapor Pressure

N/A

Bulk Density

N/A

Water Content

N/A

Solvent Content

N/A

Decomposition Temperature

N/A

Flash Point

N/A

Flammability

N/A

Auto-ignition Temperature

N/A

Solubility

THF, Toluene and Chloroform

UV absorption

λ_{\max} 390 nm (in THF)

Emission (fluorescence)

λ_{em} 295 nm, 435 nm (in THF)

SECTION 10

Stability and reactivity

Stability

Stable under recommended storage conditions.

Hazardous Decomposition Products

Not known.

Hazardous Polymerization

Will not occur

SECTION 11

Toxicological information

Route of Exposure

Skin Contact: May cause skin irritation. Skin Absorption: May be harmful if absorbed through the skin. Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled. Ingestion: May be harmful if swallowed.

Signs and Symptoms of Exposure

The chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12

Ecological Information

Ecological Information

Dispose the material accordingly (see section 13). No information available on the ecological effects.

SECTION 13

Disposal considerations

Method of Disposal

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

SECTION 14

Transport information

DOT

Not dangerous good

IATA

Not dangerous good

IMDG

Not dangerous good

SECTION 15

Regulatory information

United States

SARA listed: No

Canada

WHMIS Classification: This product is not WHMIS controlled

International

This safety datasheet complies with the regulation (EC)1907/2006

No data available for specific Safety, health and environmental regulations

SECTION 16

Other information

Disclaimer

Even though the information provided above is believed to be correct and complete, it still maybe not all-inclusive and shall be used only as a guide.

The information provided reflects the present state of our knowledge on the product and the appropriate safety precautions that should be taken. No guarantee of the properties of the product is implied.

Solaris Chem Inc., shall not be held liable for any injuries or damage resulting from the use of the above product. This material should be used for R&D in an appropriate facility.