

MATERIAL SAFETY DATA SHEET
6,13-
BIS((triisopropylsilyl)ethynyl)pentacene
(TIPS Pentacene)



Product Details

Product Code: TIPS Pentacene
Name: 6,13-BIS((triisopropylsilyl)ethynyl)pentacene
Supplied by: Ossila Limited, Kroto Innovation Centre
Broad Lane, Sheffield
S3 7HQ, UK
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Main Hazards

Not classified as dangerous according to EC Directive.

This material has not been fully tested. Some data is therefore based upon the information available from other similar conjugated polymers. As precautionary measure consider to be an irritant to eyes, skin and respiratory system.

Ingredients

Chemical characterization

Dark Blue Solid

Classification off substances according to 67/48/EEC

Dangerous substances	Content %	CAS No	EC No	Indication of Danger	Risk Phrases
6,13-BIS((triisopropylsilyl)ethynyl)pentacene	No data	No data	No data	Xi	R36/37/38

Classification of substances according to CLP, 1272/2008/EC

Hazardous Substances	Content %	CAS No	EC No	Hazard class(es/Category Code(s))	Hazard Statements
6,13-BIS((triisopropylsilyl)ethynyl)pentacene	No data	No data	No data	Skin irritant 2 Eye irritant 2 STOT SE 3	H315 H319 H335

Handling and storage

Handling

Use suitable local exhaust ventilation as necessary. Do not inhale substance. Prevent skin contact. Wash hands thoroughly after working with material. Contaminated clothing should be removed and washed before reuse.

Storage

Store in a dry place separated from strong oxidants and acids.

First Aid measures

After Eye Contact

If in eyes: rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing. Seek medical advice.

After Inhalation

If inhaled, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if you feel unwell.

After Skin Contact

If on skin, wash with soap and water. If skin irritation occurs, seek medical advice.

After Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical advice.

Fire Fighting

Suitable extinguishing media - Use water spray, foam, dry chemical powder, or carbon dioxide

Unsuitable extinguishing media - No data available

Wear self-contained breathing apparatus for fire-fighting if necessary

Special risks

May generate toxic fumes under fire conditions.

Accidental release measures

Personal precautions, protective equipment and emergency procedures -

Use personal protective equipment. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions - Do not allow to enter sewerage system.

Methods and material for containment and cleaning up -

Sweep spilled substance into containers for disposal; if appropriate, moisten first to prevent dusting (use respiratory protection: P2 filter respirator for harmful particles).

Physical and chemical properties

Appearance Purple Solid

Solubility in water Negligible

Solubility in other solvents Toluene, Dichloromethane, Tetrahydrofuran

Explosive properties Product is not explosive

Oxidising properties Product is not a strong oxidiser

Stability and reactivity

No data available

Incompatible materials - Avoid strong acids and oxidisers

Exposure controls/personal protection

Appropriate engineering controls

Facilities storing or utilising this material should be equipped with eyewash facilities. Ensure adequate ventilation to keep airborne concentration as low as possible. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of the workday.

Individual protection measures, such as personal protective equipment.

a) Eye/face protection

Wear appropriate safety glasses with side-shields (EN166).

b) Skin protection

Wear gloves conforming to EN374.

c) Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment.

Toxicological information

Acute toxicity - Not determined

Skin corrosion/irritation - Skin irritant category 2

Serious eye damage/irritation - Eye irritant category 2

Respiratory or skin sensitization - Not determined

Germ cell mutagenicity - Not determined

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

Reproductive toxicity - Not determined

STOT-single exposure - STOT SE category 3

STOT-repeated exposure - Not determined

Aspiration hazard - Not determined

Further data

This substance has not yet been fully tested.

No relevant studies identified.

Ecological information

Toxicity - Not determined

Persistence and degradability - Not determined

Bio accumulative potential - Not determined

Mobility in soil - Not determined

Results of PBT and vPvB assessment - Not determined

Other adverse effects - Not determined

Disposal

Chemical residues, including contaminated containers, are generally as hazardous waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a licensed chemical disposal company. Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Transport

Not classified as dangerous goods.

Regulatory information

Labelling according to EC directives

Symbols:

Risk phrase: R36/37/38

Safety phrases: S7, S22, S36, S45

Contains: 6,13-BIS((triisopropylsilyl)ethynyl)pentacene

Pictograms:

Signal word: Warning

Hazard Statements: H315: cause skin irritation

H319: Cause serious eye irritation

H335: May cause respiratory irritation

Precautionary statements: P261, P280, pP332 + P313, P337 + P313, P312, P403 +P233, P501

Precautionary phrase: Avoid breathing dust. Wear protective gloves/clothing and eye protection. If skin irritation occurs, seek medical advice. If eye irritation persists: seek medical advice. Call a POISON CENTRE or doctor/physician if you feel unwell. Store in a well ventilated place. Keep container tightly closed. Dispose of contents/container to an approved waste disposal plant.

Other information

The above information is believed to be correct but does not claim to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.