



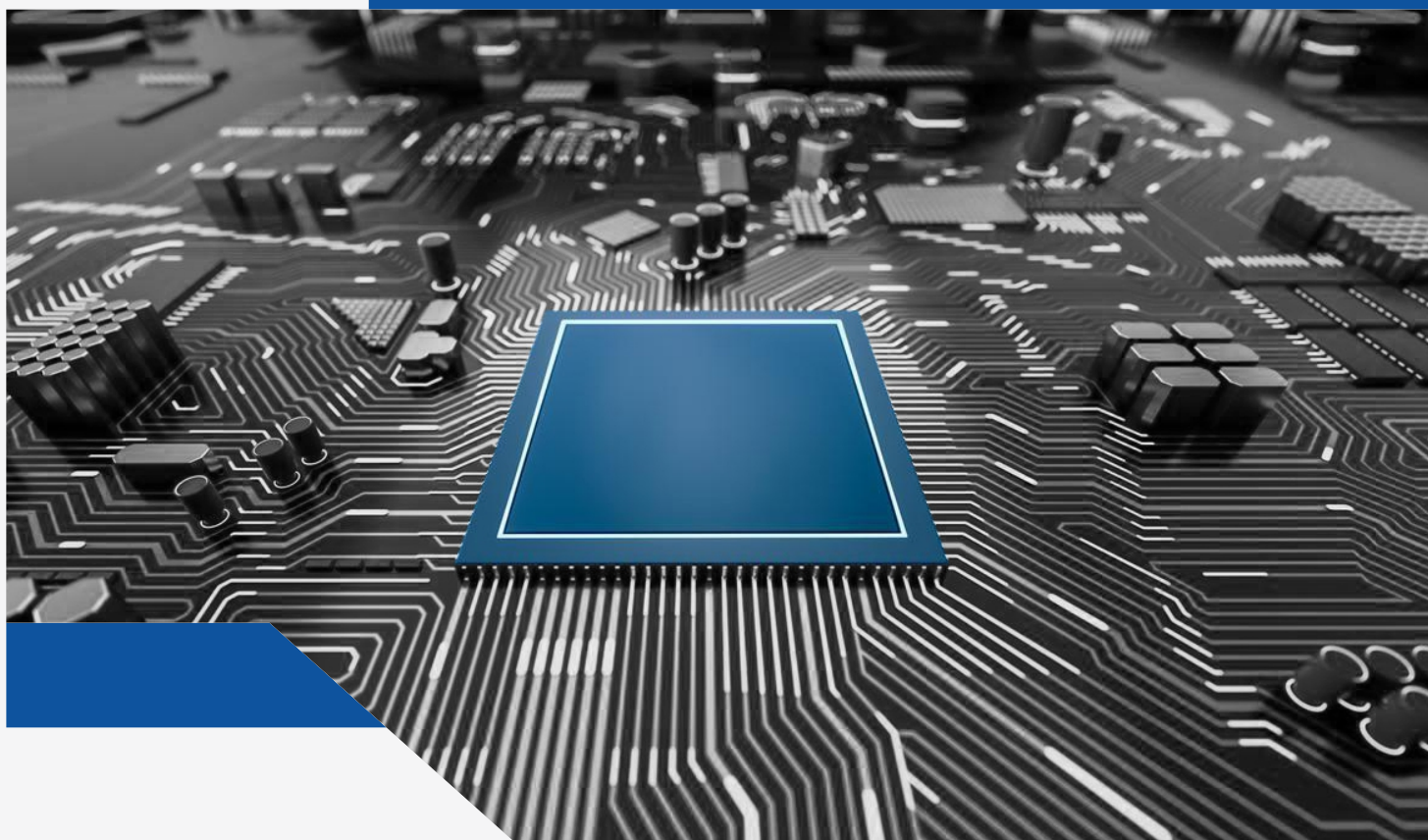
Sarex Overseas

A division of Sarex Organics Pvt. Ltd.

ELECTRONIC INDUSTRY

PRODUCTS

**SOPHISTICATED SPECIALITY CHEMICALS THAT
ENHANCE THE TECHNOLOGY PERFORMANCE**



Phone

+91 (22) 6128 5566
+91 (22) 4218 4218



WhatsApp

+91 90048 75803



WeChat

+86 1771 5814 958



Email & Web

fchem@sarex.com
www.sarex.com



**SAREX OVERSEAS MANUFACTURING COMPLEX,
TARAPUR, INDIA**



**SAREX OVERSEAS NEW PLANT,
TARAPUR, INDIA**



**BIRD EYE VIEW SAREX OVERSEAS
MANUFACTURING COMPLEX, TARAPUR, INDIA**

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20+

Year of Experience

200+

No. of Customers Served

20+

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About Sarex



Sarex Overseas Manufacturing Complex

Sarex Overseas is a Mumbai Based Company, manufacturing Fine Chemicals and Specialty Chemicals. Sarex Overseas is a division of Sarex Organics Pvt Ltd, Mumbai, India.

Sarex overseas is a leading manufacturer of Fine Chemicals and API Intermediates in India.

Sarex Overseas has corporate office in Mumbai. Sarex Overseas has its Manufacturing and R&D facility in Tarapur which is 100 Km from Mumbai.

Sarex Overseas manufacturing facility is GMP complied, but not certified. Many multinational companies have audited its facility and Sarex is their approved Vendor. Sarex is certified by ISO 9001, ISO 14001, and OHSAS 45001 by URS, UK. Besides Sarex has Ecovadis accreditation for business sustainability.

Sarex Overseas believes that People are their biggest strength and has most of the people working for many years at Sarex. Sarex Overseas has nearly 400 employees at various locations.

Over the years Sarex Overseas has become one of the largest leading manufacturer of Triazine based UV absorbers and light stabilizer and intermediates which are used in many Industries used as additive in plastics and coatings , Textile industry , Agro films, personal care industry to enhance their durability, colour fastness and performance. These UV absorbers are superior in their class as these have very low volatility at high process temperature of the plastics.

Sarex specializes in producing high value fine chemicals. Besides regular products, Sarex develop new products based on customer's requirements. R&D centre plays crucial role in handling complex chemistry and developing newer technologies. Other than additives for Plastic and Coatings Sarex Overseas also manufacture some API Intermediate as well as the contract manufacturer of the Fine Chemicals. Sarex is the market leader in Pharmaceutical intermediates of anti-diabetic API Pioglitazone Hydrochloride in India.

Sarex has a state of the art manufacturing facility with variety of unit operations. The entire plant operations is automated except solid charging / discharging using control system. Sarex Overseas have total 52 Reactors, in which 26 are Glass lined Reactors and 26 are Stainless Steel Reactors having 630 lit to 10kl capacity. Sarex Overseas have in house Primary, Secondary & Tertiary Effluent Treatment facility with Zero Liquid Discharge arrangement for liquid effluent.

Sarex has in-house Quality control development with HPLC, GC, UV-Vis Spectrophotometer, FTIR and many more analytical instruments with trained and skilled workforce. Sarex has in-house R&D facility with 8 fume hoods , rotary evaporator, Glass reactor etc. with high skilled & qualified manpower.



Glass Lined Reactors

Sarex is having adequate scrubbing arrangement to entrap gaseous emission.

Safety is one of the most important culture of Sarex. Utmost care has been taken while designing, operating and maintaining the plant. Majority of the safety is already built in the design of the plant and automation. Sarex is concerned with environment and committed to EHS (Environment, Health and safety).

Intellectual property rights and confidentiality is on the top priority list of Sarex.



Sarex Overseas is engaged in the Bulk manufacturing and

- Our company is largest manufacturer of anti-diabetic Pioglitazone Hydrochloride intermediates 5 Ethylpyridine-2-ethanol and 2,4-Thiozolidenedione in India.
- Our company is Largest manufacturer of Triazine UV absorbers for Plastics, coatings additive , Textile industry and personal care industry India.
- Bulk chemical manufacturer for Pharmaceuticals, Plastics, Coatings, Electronics, Dyes & Pigment industries, Photoinitiator, Resin Raw materials, Antioxidants and Flame retardants.

Sarex not only avails you with the exceptional chemicals, but also shoulders the responsibility of after sales service. Thus, we provide thorough going service through our Technical support. Our quality analysts scrutinize each & every product before its delivery. We value your money & endeavour to bring you the optimum product service in exchange of that.

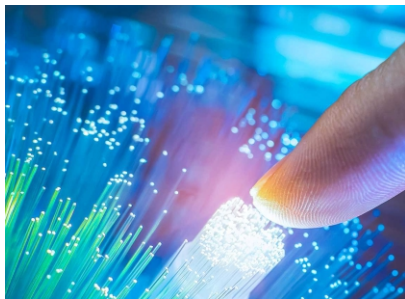
We are one of the India’s largest chemicals exporter & major portion of our produce is exported to more than 40 countries, primarily to the USA & Europe where our products have been well received & we have been successful in nurturing excellent relationships with our clients. We have been acclaimed a lot many times for our noteworthy range of chemicals.



Sarex stands for quality products!

Importance of Electronics Industry

In today's life, electronics play an integral and pervasive role, touching almost every aspect of our daily routines and modern society. The widespread adoption of electronic devices and technologies has transformed the way we communicate, work, entertain, learn, and interact with the world around us.



- The electronics industry heavily relies on various chemicals throughout the manufacturing and assembly processes of electronic components. These chemicals play a critical role in creating functional and reliable electronic devices.
- As electronic devices become more sophisticated and smaller in size, the materials and chemicals used in their production must meet ever-higher standards of performance and purity.

THE ELECTRONICS INDUSTRY CONSISTS OF VARIOUS SECTORS

SEMICONDUCTOR FABRICATION

The central driving force behind the entire electronics industry is the semiconductor industry sector. Processes such as photolithography, etching, and doping rely on these chemicals to create intricate patterns and control electrical properties on semiconductor wafers.

PRINTED CIRCUIT BOARDS (PCBS)

PCBs serve as the backbone of most electronic devices, connecting various components and enabling their functionality.

ADVANCEMENTS IN DISPLAY TECHNOLOGY

Electronic chemicals play a pivotal role in the development of advanced display technologies like liquid crystal displays(LCDs), organic light-emitting diode(OLEDs), and flexible displays. These technologies require precise chemical formulations to achieve optimal performance and durability.

CLEANROOM CHEMICALS

Cleanrooms used in semiconductor fabrication require specialized chemicals for cleaning and maintaining the controlled environment. These chemicals ensure that the manufacturing environment remains free from contaminants.

PHOTORESISTS

Photoresists are light-sensitive materials used in photolithography, a crucial step in semiconductor manufacturing. These chemicals allow precise patterning of the semiconductor wafer surface when exposed to light.

PHOTOVOLTAIC CELLS

Electronic chemicals play a crucial role in the production and performance of these cells

BACKSHEET MATERIALS

The backsheet is the rear layer of the solar panel that protects the photovoltaic cells from environmental factors. It is often made of specialized materials such as fluoropolymer-based films (e.g., Tedlar) or ethylene-vinyl acetate (EVA) with a moisture barrier.



ENCAPSULANTS

Encapsulants are used to seal the photovoltaic cells to protect them from moisture and mechanical damage while allowing light to pass through. EVA is commonly used as an encapsulant material.

CONTINUOUS INNOVATION

The electronics industry is characterized by rapid innovation and constant advancements. Electronic chemical manufacturers continuously research and

develop new formulations to meet the evolving needs of electronic device manufacturing and keep up with technological progress.

POLYMER ELECTROLYTE MEMBRANE

A polymer electrolyte membrane (PEM) is a type of ion-conductive material used in fuel cells and other electrochemical devices. It is also commonly known as a proton exchange membrane due to its ability to conduct protons.

Overall electronics chemicals are vital components in the production and maintenance of electronic devices, contributing to the continuous advancement and innovation in the electronics industry. Electronic chemicals are essential enablers of the electronics industry, allowing the creation of sophisticated and reliable electronic devices. As technology continues to evolve, the development of new and improved electronic chemicals will play a pivotal role in shaping the future of electronic technology.

Sarex provide/present range of broad range of highly sophisticated specialty chemicals (electronic chemicals) which used in various application in electronic industry.



PRODUCTS USED IN ELECTRONIC INDUSTRY

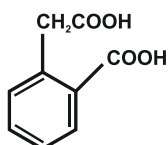
01 HOMOPHTHALIC ACID (STELLAR-2001)

Product Code : **004808**
CAS No : **89-51-0**

Molecular formula : **C₈H₆O₄**
Molecular weight : **180.16**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Use in electronic industry
in semiconductors.**



Typical Properties

Physical Appearance : **Off White To Pale Yellow Powder**
Melting Point : **178 - 182°C**
Moisture Content (KF): **NMT 0.5%**
Solubility
(5% W/v In Methanol) : **Clear, Colourless To Very
Faint Yellow Solution**
Assay (GLC) : **NLT 99.0%**
Annual Capacity : **10 MT**

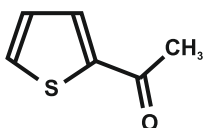
02 2-ACETHYLTHIOPHENE (STELLAR-2002)

Product Code : **000420**
CAS No : **88-15-3**

Molecular formula : **C₆H₄OS**
Molecular weight : **126.18**

Safety &
Transit hazards : **Hazardous Substance**

Application : **One of the chemical to synthesize polymer.
Which then use as organic semiconductor
in organic device specially OFET (Organic field effect transistor).**



Typical Properties

Physical Appearance : **Colourless To Pale Yellow Liquid**
Moisture Content (KF): **NMT 0.50%**
Purity (GC) : **NLT 99.0%**
Annual Capacity : **50 MT**

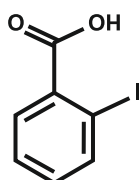
03 2-IODOBENZOIC ACID (STELLAR-2003)

Product Code : **000486**
CAS No : **88-67-5**

Molecular formula : **C₇H₅IO₂**
Molecular weight : **248.02**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Chemical use for organic
electroluminescent devices.**



Typical Properties

Physical Appearance : **White To Off White Powder**
Melting Point : **161 - 163°C**
Moisture Content (KF): **NMT 0.5%**
Purity (GC) : **NLT 99.0%**
Annual Capacity : **25 MT**

Disclaimer

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PRODUCTS USED IN ELECTRONIC INDUSTRY

04

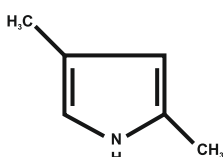
2,4-DIMETHYLPYRROLE (STELLAR-2004)

Product Code : **000565**
CAS No : **625-82-1**

Molecular formula : **C₅H₇N**
Molecular weight : **95.14**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in resist protective coating composition of photo lithographic process for micro fabrication of semiconductor device.**



Typical Properties

Physical Appearance : **Clear Colourless to Light Yellow Liquid**

Moisture Content (KF)
By Karl Fisher : **NMT 0.5%**
Purity (GC) : **NLT 99.0%**

Annual Capacity : **6 MT**

05

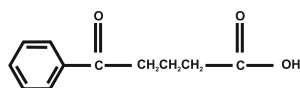
4-BENZOYLBUTYRIC ACID (STELLAR-2005)

Product Code : **001861**
CAS No : **1501-05-9**

Molecular formula : **C₁₁H₁₂O₃**
Molecular weight : **192.21**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Useful in preparation of fullerene derivatives. Photovoltaic devices includes such derivatives / compositions.**



Typical Properties

Physical Appearance : **Off White Powder**
Melting Point : **126.0 to 128.0°C**

Moisture Content (KF): **NMT 0.50%**
Solubility 2.5% In
Methanol : **Clear Solution**
Chromatographic
Purity (HPLC) : **NLT 99.0%**

Annual Capacity : **1 MT**

06

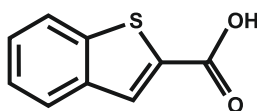
BENZOTHIOPHENE-2-CARBOXYLIC ACID (STELLAR-2006)

Product Code : **003104**
CAS No : **6314-28-9**

Molecular formula : **C₉H₆O₂S**
Molecular weight : **178.20**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in Electronic industry.**



Typical Properties

Physical Appearance : **Off-White to yellowish-beige crystalline powder**

Melting point : **238°C to 243 °C**
Moisture content (KF) : **NMT 0.5%**
Assay (By titration
acidimetry) : **NLT 99.0%**

Annual Capacity : **20 MT**

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PRODUCTS USED IN ELECTRONIC INDUSTRY

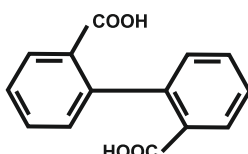
07 DIPHENIC ACID (BIPHENYL-2,2'DICARBOXYLIC ACID) (STELLAR-2008)

Product Code : **003993**
CAS No : **482-05-3**

Molecular formula : **C₁₄H₁₀O₄**
Molecular weight : **242.23**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Use in polymer electrolyte membrane (PEM) fuel cells.**



Typical Properties

Physical Appearance : **White to Off White Powder**
Melting Point : **227 - 229°C**
Purity (GC) : **NLT 99.0%**
Moisture Content (KF): **NMT 0.5 %**

Annual Capacity : **6 MT**

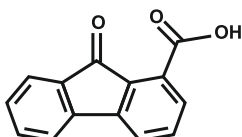
08 9-FLUORENONE-1-CARBOXYLIC ACID (STELLAR-2009)

Product Code : **002741**
CAS No : **1573-92-8**

Molecular formula : **C₁₄H₈O₃**
Molecular weight : **224.22**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in light emitting device.**



Typical Properties

Physical Appearance : **Orange powder**
Assay (By titration acidimetry) : **NLT 99.0% to 101.0%**
Melting point : **196 to 198 °C**
Solubility 1% in DMF : **Clear Solution**
Moisture content (KF) : **NMT 0.5%**

Annual Capacity : **20 MT**

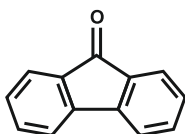
09 9-FLUORENONE (STELLAR-2010)

Product Code : **002742**
CAS No : **486-25-9**

Molecular formula : **C₁₃H₈O**
Molecular weight : **180.20**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in light emitting device.**



Typical Properties

Physical Appearance : **Yellow powder**
Purity (GC) : **NLT 99.0%**
Melting point : **80 to 83 °C**
Solubility (2.5%in Methanol) : **Clear yellow color solution**

Annual Capacity : **20 MT**

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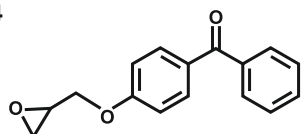
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PRODUCTS USED IN ELECTRONIC INDUSTRY

10 4-GLYCIDYLOXY BENZOPHENONE (STELLAR-2011)

Product Code : **002400**
CAS No : **19533-07-4**

Molecular formula : **C₁₆H₁₄O₃**
Molecular weight : **254.29**



Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is intermediate of a chemical which is useful in Thermal / heat-sensitive recording material to protect discolouration by irradiation with light.**

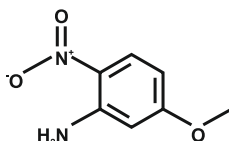
Typical Properties

Physical Appearance : **White to off-white crystalline powder**
Melting point : **79 to 81 °C**
Moisture content (KF) : **NMT 0.5%**
Chromatographic Purity (HPLC) : **NLT 99.0%**
Annual Capacity : **20 MT**

11 5-METHOXY-2-NITROANILINE (STELLAR-2012)

Product Code : **002525**
CAS No : **16133-49-6**

Molecular formula : **C₇H₇N₂O₃**
Molecular weight : **168.15**



Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in Electronic industry.**

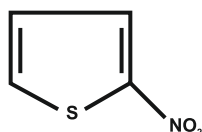
Typical Properties

Physical Appearance : **Yellow to light brown crystalline powder**
Melting point : **129 to 132 °C**
Solubility (1% in DMF): **Clear solution**
Moisture content (KF) : **NMT 0.5%**
Purity (HPLC) : **NLT 99.0%**
Annual Capacity : **20 MT**

12 2-NITROTHIOPHENE (STELLAR-2013)

Product Code : **000426**
CAS No : **609-40-5**

Molecular formula : **C₄H₃NO₂S**
Molecular weight : **129.14**



Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Use in high-voltage battery electrolyte screening.**

Typical Properties

Physical Appearance : **Light Yellow to Brown Crystalline Powder**
Melting Point : **38 - 45°C**
Moisture Content (KF)
By Karl Fisher : **NMT 0.5%**
Purity (HPLC) : **NLT 85.0%**
Purity (GLC) : **NLT 99.0%**
Annual Capacity : **6 MT**

Disclaimer

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PRODUCTS USED IN ELECTRONIC INDUSTRY

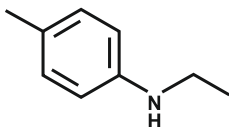
13 N-ETHYL-P-TOLUIDINE (STELLAR-2014)

Product Code : **005644**
CAS No : **622-57-1**

Molecular formula : **C₉H₁₃N**
Molecular weight : **135.21**

Safety &
Transit hazards : **Hazardous Substance (UN No.2754)**

Application : **Useful in one of the component of thermosetting film forming composition.**



Typical Properties

Physical Appearance : **Pale yellow to yellow liquid**
Moisture content (KF) : **NMT 0.5%**
Assay (GLC) : **NLT 99.0%**
Boiling Point : **218-222 °C**
Density : **0.9430 to 0.9460**

Annual Capacity : **20 MT**

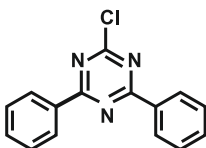
14 2-CHLORO-4,6-BIS(PHENYL)-1,3,5-TRIAZINE (STELLAR-2015)

Product Code : **001325**
CAS No : **3842-55-5**

Molecular formula : **C₁₅H₁₀ClN₃**
Molecular weight : **267.71**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in making organic electroluminescent compound.**



Typical Properties

Physical Appearance : **White to Off-white powder**
Purity (HPLC) : **NLT 99.0%**
Solubility (2% W/V PEG & Toluene) : **Clear to slight hazy solution**
Transmittance (%) 450 NM : **NLT 75.0%**
Transmittance (%) 500 NM : **NLT 80.0%**

Annual Capacity : **120 MT**

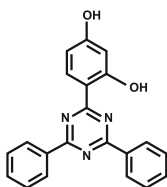
15 2-(2,4-DIHYDROXYPHENYL)-4,6-DIPHENYL-1,3,5-TRIAZINE (STELLAR-2016)

Product Code : **010645**
CAS No : **38369-95-8**

Molecular formula : **C₂₁H₁₅N₃O₂**
Molecular weight : **341.36**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Used in longpass filter of photovoltaic element such as dye solar cell.**



Typical Properties

Physical Appearance : **White To Pale Yellow Powder**
Identification (HPLC) : **Identical**
Melting Point : **273.0 to 276.0°C**
Purity (HPLC) : **NLT 99.0%**
Volatiles : **NMT 0.50%**

Annual Capacity : **50 MT**

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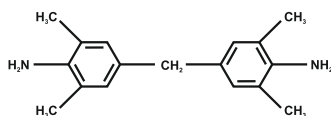
16 4,4'-METHYLENEBIS (2,6-DIMETHYLANILINE) (STELLAR-2017)

Product Code : **001910**
CAS No : **4073-98-7**

Molecular formula : **C₁₇H₂₂N₂**
Molecular weight : **254.00**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in photo-alignment film of liquid crystal display.**



Typical Properties

Physical Appearance : **Off White To Pink Colour Powder**
Melting Point : **121-123°C**
Moisture Content (KF): **NMT 0.5%**
Solubility : **5% In Methanol Clear Solution**
Assay (by Titration Non Aqueous) : **NLT 99.0%**
Annual Capacity : **100 MT**

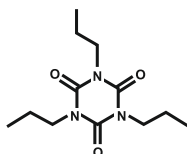
17 1,3,5-TRIPROPYL-1,3,5-TRIAZINANE-2,4,6-TRIONE (STELLAR-2018)

Product Code : **010685**
CAS No : **4015-16-1**

Molecular formula : **C₁₂H₂₁N₃O₃**
Molecular weight : **255.32**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **Display for next generation.
A high-sensitivity triazine product used for a high-resolution structure.**



Typical Properties

Physical Appearance : **Yellow to Orange liquid**
Moisture Content (KF): **NMT 0.50%**
Any Single Unknown Impurity : **NMT 0.50%**
Purity (GC) : **NLT 99.0%**
Annual Capacity : **50 MT**

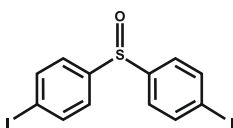
18 BIS(4-IODOPHENYL) SULFOXIDE (STELLAR-2021)

Product Code : **010727**
CAS No : **647829-43-4**

Molecular formula : **C₁₂H₈I₂OS**
Molecular weight : **454.06**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in Photoacid generator.**



Typical Properties

Physical Appearance : **White to off-white solid**
Purity : **NLT 98.0%**
Melting point : **158-163 °C**
Loss on drying : **NMT 1%**
Annual Capacity : **1 MT**

Disclaimer

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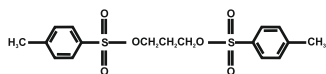
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19 1,3-PROPANEDIOL-DI-P-TOSYLATE (STELLAR-2022)

Product Code : **000005**
CAS No : **5469-66-9**

Molecular formula : **C₁₇H₂₀O₆S₂**
Molecular weight : **384.47**



Typical Properties

Physical Appearance : **White Colour Solid**
Melting Point : **90 - 92°C**
Moisture Content (KF): **NMT 0.3%**
Assay (HPLC) : **NLT 99.0%**

Safety &
Transit hazards : **Non Hazardous Substance**

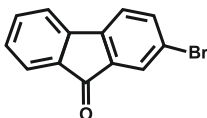
Annual Capacity : **50 MT**

Application : **It is used in Heat Transfer fluid which is useful in semiconductor industry.**

20 2-BROMOFLUORENONE (STELLAR-2028)

Product Code : **010876**
CAS No : **3096-56-8**

Molecular formula : **C₁₃H₇BrO**
Molecular weight : **259.10**



Typical Properties

Physical Appearance : **Light yellow to Yellow to Orange powder**
Purity (GC) : **NLT 99.0%**
Melting Point : **145.0 - 152.0 °C**
Moisture Content : **NMT 0.5 %**

Safety &
Transit hazards : **Non Hazardous Substance**

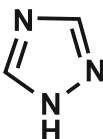
Annual Capacity : **10 MT**

Application : **It is used in organic electroluminescent device.**

21 1,2,4 TRIAZOLE (P) (STELLAR-2030)

Product Code : **000137**
CAS No : **288-88-0**

Molecular formula : **C₂H₃N₃**
Molecular weight : **69.07**



Typical Properties

Physical Appearance : **White Crystalline powder**
Melting Point : **118 - 121°C**
Assay (non-aqueous Potentiometric Titration) : **NLT 99.0%**
Assay (HPLC) : **NLT 99.0%**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **20 MT**

Application : **It is used in polymers, agricultural chemicals, pharmaceuticals, and photographic chemicals and dyestuffs.**

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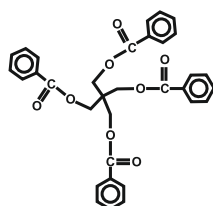
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PRODUCTS USED IN ELECTRONIC INDUSTRY

22 PENTAERYTHRITOL TETRABENZOATE (STELLAR-2031)

Product Code : **006164**
CAS No : **4196-86-5**

Molecular formula : **C₃₃H₂₈O₈**
Molecular weight : **552.59**



Typical Properties

Physical Appearance : **White To Off White Solid**
Melting Point : **102-104°C**
Moisture Content (KF) : **NMT 0.5%**
Solubility : **Soluble In Ethyl Acetate**
Purity (HPLC) : **NLT 99.0%**

Safety &
Transit hazards : **Non Hazardous Substance**

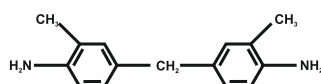
Annual Capacity : **50 MT**

Application : **It is widely used as plasticizer, mold release agent, antistatic agent of electronic material surface coating, flux of electronic material, adhesive of hot melt ink jet and auxiliary agent of liquid crystal material.**

23 4,4'-METHYLENE-BIS (2-METHYLANILINE) (STELLAR-2033)

Product Code : **010996**
CAS No : **838-88-0**

Molecular formula : **C₁₅H₁₃N₂**
Molecular weight : **226.32**



Typical Properties

Physical Appearance : **White To Light Yellow To Light Orange Powder Or Crystal**
Moisture content : **NMT 0.5%**
Melting Point : **152-159°C**
Purity (GC) : **NLT 99.0%**
Purity (Titration) : **NLT 99.0%**

Safety &
Transit hazards : **Hazardous Substance**

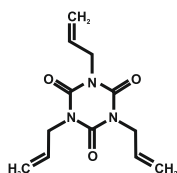
Annual Capacity : **10 MT**

Application : **It is one of the chemical which used in manufacturing a liquid crystal optical film.**

24 TRIALLYL ISOCYANURATE (TAIC) (STELLAR-2034)

Product Code : **010997**
CAS No : **1025-15-6**

Molecular formula : **C₁₂H₁₅N₃O₃**
Molecular weight : **249.27**



Typical Properties

Physical Appearance : **Colorless to Light Yellow Low Melting Solid to Clear Liquid**
Moisture Content : **NMT 0.5%**
Purity (GC) : **NLT 99.0%**
Solubility in Methanol : **Almost Transparent**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **200 MT**

Application : **It is used in EVA (Ethylene Vinyl Acetate) Film as sealing films for solar cell and solar cell module encapsulation.**

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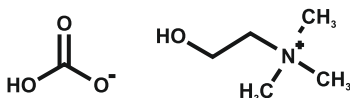
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PRODUCTS USED IN ELECTRONIC INDUSTRY

25 CHOLINE BICARBONATE (STELLAR-2041)

Product Code : **010918**
CAS No : **78-73-9**

Molecular formula : **C₆H₁₅NO₄**
Molecular weight : **165.19**



Typical Properties

Physical Appearance : **Clear Pale Yellow Liquid**
Assay : **NLT 75.0%**
Alpha Colour : **0-50**
Heavy Metals : **NMT 20 ppm**
Chlorides : **NMT 20 ppm**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **100 MT**

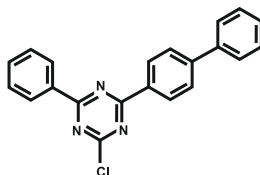
Application : **Used as cationic surface wetting agent.**
Used as the chemical additive in the CMP polishing slurry compositions.

26 2-(BIPHENYL-4-YL)-4-CHLORO-6-PHENYL-1,3,5-TRIAZINE (STELLAR-2019)

Under Development

Product Code : **010697**
CAS No : **1472062-94-4**

Molecular formula : **C₂₁H₁₄ClN₃**
Molecular weight : **343.81**



Typical Properties

Physical Appearance : **White to Almost white powder to crystal**
Purity (HPLC) : **Min. 99.0 %**
Melting point : **163.0 to 167.0 °C**
Loss on drying : **NMT 1%**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **5 MT**

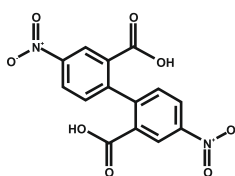
Application : **It is use in Organic light emitting diode.**

27 4,4'-DINITRODIPHENIC ACID (STELLAR-2020)

Under Development

Product Code : **010726**
CAS No : **20246-81-5**

Molecular formula : **C₁₄H₈N₂O₈**
Molecular weight : **332.22**



Typical Properties

Physical Appearance : **White to yellow powder / crystals**
Purity : **NLT 99.0%**
Melting point : **258-259 °C**
Loss on drying : **NMT 0.50%**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **5 MT**

Application : **It is used in manufacturing liquid crystal display element.**

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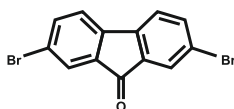
28

2,7-DIBROMO-9-FLUORENONE (STELLAR-2023)

Under Development

Product Code : **010818**
CAS No : **14348-75-5**

Molecular formula : **C₁₃H₆Br₂O**
Molecular weight : **338.00**



Typical Properties

Physical Appearance : **Yellow powder**
Melting Point : **203 - 205°C**
Purity (GC) : **NLT 99.0%**
Volatiles : **NMT 0.5%**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **50 MT**

Application : **It is widely used in preparation of dyestuff, photoconductive material such as OLED.**

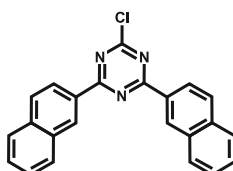
29

2-CHLORO-4,6-DI(NAPHTHALEN-2-YL)-1,3,5-TRIAZINE (STELLAR-2024)

Under Development

Product Code : **010819**
CAS No : **1247124-77-1**

Molecular formula : **C₂₂H₁₄ClN₃**
Molecular weight : **367.83**



Typical Properties

Physical Appearance : **Off-White to white powder**
Purity : **NLT 99.0%**
Volatiles : **NMT 0.50%**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **50 MT**

Application : **It is use as Organic Light emitting diode (OLED) intermediate.**

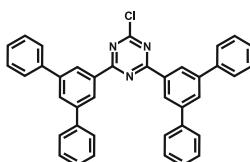
30

2-CHLORO-4,6-BIS[1,1':3',1'']TERPHENYL-5'-YL-1,3,5-TRIAZINE (STELLAR-2025)

Under Development

Product Code : **010820**
CAS No : **1205748-51-1**

Molecular formula : **C₃₉H₂₆ClN₃**
Molecular weight : **572.10**



Typical Properties

Physical Appearance : **White to off-white powder**
Purity : **NLT 99.0%**
Volatiles : **NMT 0.50%**

Safety &
Transit hazards : **Non Hazardous Substance**

Annual Capacity : **50 MT**

Application : **It is use as Organic Light emitting diode (OLED) intermediate.**

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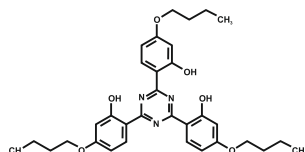
31 2,4,6-TRIS(2-HYDROXY-4-BUTOXYPHENYL)-1,3,5-TRIAZINE (STELLAR-2026)

Product Code : **010829**
CAS No : **3135-19-1**

Molecular formula : **C₃₃H₃₅N₃O₆**
Molecular weight : **573.69**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is also used in an acrylic resin film & thermoplastic resin which is used in optical film for polarizing plate.**



Typical Properties

Physical Appearance : **Yellow Powder**
Identification (HPLC) : **RT of Sample Should Match with RT of Standard**
Loss on Drying : **NMT 2.00%**
Purity (HPLC) : **NLT 99.0%**
Ash Contents : **NMT 1.00%**
Annual Capacity : **80 MT**

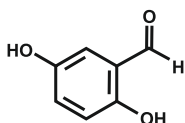
32 2,5-DIHYDROXYBENZALDEHYDE (STELLAR-2027)

Product Code : **000477**
CAS No : **1194-98-5**

Molecular formula : **C₇H₆O₃**
Molecular weight : **138.12**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in retardation plate, a circular polarizing plate, and an image display device.**



Typical Properties

Physical Appearance : **Yellow to Yellow green powder**
Melting Point : **100 - 103 °C**
Assay (by titration with hydroxylamine) : **NLT 99.0%**
Assay (GLC) : **NLT 99.0%**
Moisture content (KF) : **NMT 0.5%**
Annual Capacity : **10 MT**

33 3-BROMO-3'-IODO-1,1'-BIPHENYL (STELLAR-2029)

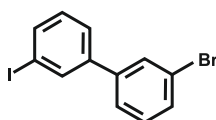
Under Development

Product Code : **010877**
CAS No : **187275-76-9**

Molecular formula : **C₁₂H₈BrI**
Molecular weight : **359.0**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in OLED material.**



Typical Properties

Physical Appearance : **White to off white powder**
Purity : **NLT 99.0%**
Loss on drying : **NMT 0.50%**
Annual Capacity : **10 MT**

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34

TRIS (CARBOXY METHYL) ISOCYANURATE (STELLAR-2032)

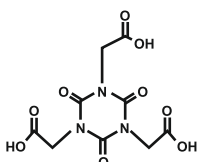
Under Development

Product Code : **010985**
CAS No : **1968-52-1**

Molecular formula : **C₉H₃N₃O₉**
Molecular weight : **303.18**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used as Curing accelerator in Liquid crystal sealant to improve the low temperature curability.**



Typical Properties

Physical Appearance : **Off White To Yellowish Powder Or Granules**
Melting Point : **264-266 °C**
Purity : **NLT 99.0%**
Annual Capacity : **5 MT**

35

3,6-DIAMINOCARBAZOLE (STELLAR-2035)

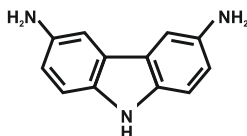
Under Development

Product Code : **011087**
CAS No : **86-71-5**

Molecular formula : **C₁₂H₁₁N₃**
Molecular weight : **197.24**

Safety &
Transit hazards : **Hazardous Substance**

Application : **Alongwith Arylamine compound, It has good solubility in an organic solvent and a varnish containing the compound.**



Typical Properties

Physical Appearance : **White to Gray to Brown powder to crystal**
Purity(Nonaqueous Titration) : **NLT 99.0%**
Solubility in 1 mol/L HCl : **Almost transparency**
Annual Capacity : **5 MT**

36

4-(2-(METHYLAMINO)ETHOXY)ANILINE (STELLAR-2036)

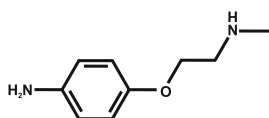
Under Development

Product Code : **011088**
CAS No : **26179-80-6**

Molecular formula : **C₉H₁₄N₂O**
Molecular weight : **166.22**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is used in electronic industry.**



Typical Properties

Density : **1.055 ± 0.06 g/cm³**
Purity : **NLT 99.0%**
Annual Capacity : **5 MT**

Disclaimer

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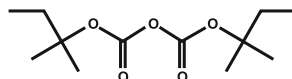
37

1,3-BIS(1,1-DIMETHYLPROPYL) DICARBONATE (STELLAR-2037)

Under Development

Product Code : **011089**
CAS No : **68835-89-2**

Molecular formula : **C₁₂H₂₂O₅**
Molecular weight : **246.30**



Typical Properties

Physical Appearance : **Colorless to Light yellow to Light orange clear liquid**
Boiling Point : **300-303°C**
Purity : **NLT 99.0%**
Annual Capacity : **5 MT**

Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is used to make azo pigments which are available as organic electrophotographic photoreceptors, particularly useful as a charge generating material.**

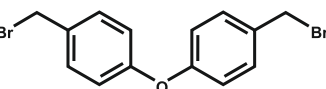
38

4,4'-BIS(BROMOMETHYL)DIPHENYL ETHER (STELLAR-2038)

Under Development

Product Code : **011090**
CAS No : **4542-75-0**

Molecular formula : **C₁₄H₁₂Br₂O**
Molecular weight : **356.05**



Typical Properties

Physical Appearance : **Beige to Brown Solid**
Melting point : **94-98 °C**
Purity : **NLT 99.0%**
Annual Capacity : **5 MT**

Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is used in semiconductor industry, to make hardmask composition. A hardmask layer may be formed between the material layer to be etched and the photoresist layer to form a fine pattern.**

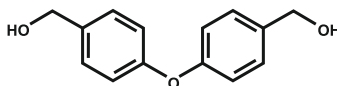
39

4,4'-BIS(HYDROXYMETHYL)DIPHENYL ETHER (STELLAR-2039)

Under Development

Product Code : **011091**
CAS No : **2350-43-8**

Molecular formula : **C₁₄H₁₄O₃**
Molecular weight : **230.26**



Typical Properties

Physical Appearance : **Liquid**
Density : **1.227 ± 0.06 g/cm³**
Purity : **NLT 99.0%**
Solubility : **Very slightly soluble**
Boiling Point : **410-411°C**
Annual Capacity : **5 MT**

Safety & Transit hazards : **Hazardous Substance**

Application : **It is used in semiconductor industry, to make hardmask composition. A hardmask layer may be formed between the material layer to be etched and the photoresist layer to form a fine pattern.**

Disclaimer

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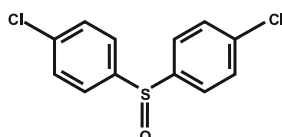
40

BIS(4-CHLOROPHENYL)SULFOXIDE (STELLAR-2040)

Under Development

Product Code : **011189**
CAS No : **3085-42-5**

Molecular formula : **C₁₂H₈Cl₂OS**
Molecular weight : **271.20**



Typical Properties

Physical Appearance : **White to Off White Powder**
Melting Point : **143-145 °C**
Purity : **NLT 99.0%**
Loss On Drying : **NMT 1%**
Annual Capacity : **1 MT**

Safety & Transit hazards : **Non Hazardous Substance**
Application : **It can be use as intermediate in synthesis of Sulfoximine Carbamates.**

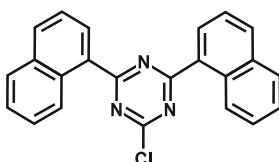
41

2-CHLORO-4,6-DI-1-NAPHTHALENYL-1,3,5-TRIAZINE (STELLAR-2042)

Under Development

Product Code : **011170**
CAS No : **78941-32-9**

Molecular formula : **C₂₂H₁₄ClN₃**
Molecular weight : **367.83**



Typical Properties

Physical Appearance : **White to Orange Powder**
Purity (HPLC) : **NLT 99.0%**
Melting Point : **148-150 °C**
Annual Capacity : **25 MT**

Safety & Transit hazards : **Non Hazardous Substance**
Application : **It can be used as intermediate in layer of light emitting device. Used as UV absorber in The pressure-sensitive adhesive sheet.**

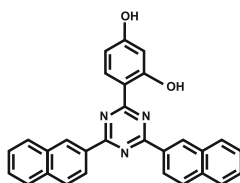
42

BIS-α-NAPHTHYL(2,4-DIHYDROXYPHENYL)-1,3,5-TRIAZINE (STELLAR-2043)

Under Development

Product Code : **011171**
CAS No : **518045-48-2**

Molecular formula : **C₂₅H₁₅N₃O₂**
Molecular weight : **441.48**



Typical Properties

Physical Appearance : **Yellow Powder**
Purity (HPLC) : **NLT 99.0%**
Annual Capacity : **25 MT**

Safety & Transit hazards : **Non Hazardous Substance**
Application : **The Compound and its Derivatives are Suitable for Stabilizing Organic Material, Especially Plastics Materials, Surface-coatings, Cosmetic Preparations, Sun Protection Agents or Photog. Material, against Damage by Light, Oxygen and/or Heat.**

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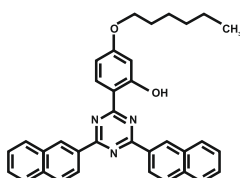
BIS- α -NAPHTHYL(2-HYDROXY-N-HEXYLOXYPHENYL)-1,3,5-TRIAZINE (STELLAR-2044)

Product Code : **011167**
CAS No : **518045-49-3**

Molecular formula : **C₃₅H₃₁N₃O₂**
Molecular weight : **525.64**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **The Compounds are Suitable for Stabilizing Organic Material, Especially Plastics Materials, Surface-coatings, Cosmetic Preparations, Sun Protection Agents or Photog. Material, against Damage by Light, Oxygen and/or Heat.**



Typical Properties

Under Development

Physical Appearance : **Yellow Powder**
Purity (HPLC) : **NLT 99.0%**

Annual Capacity : **25 MT**

44

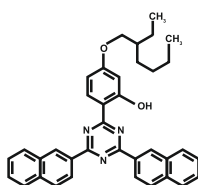
2-(4,6-DI-1-NAPHTHALENYL-1,3,5-TRIAZIN-2-YL)-5-[(2-ETHYLHEXYL)OXY]PHENOL (STELLAR-2045)

Product Code : **011168**
CAS No : **518045-50-6**

Molecular formula : **C₃₇H₃₅N₃O₂**
Molecular weight : **553.69**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **As Stabilizer in plastics Materials, Surface-coatings, Cosmetic Preparations, Sun Protection Agents or Photog. Material, against Damage by Light, Oxygen and / or Heat.**



Typical Properties

Under Development

Physical Appearance : **Yellow Powder**
Purity (HPLC) : **NLT 99.0%**

Annual Capacity : **25 MT**

45

2-CHLORO-4-(NAPHTHALEN-2-YL)-6-PHENYL-1,3,5-TRIAZINE (STELLAR-2046)

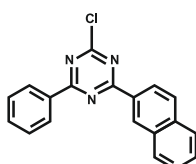
Under Development

Product Code : **011331**
CAS No : **1342819-12-8**

Molecular formula : **C₁₉H₁₂ClN₃**
Molecular weight : **317.77**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate.**



Typical Properties

Physical Appearance : **White To Light Yellow Powder To Crystal**
Purity (HPLC) : **NLT 99.0%**
Melting Point : **171.0 to 175.0 °C**

Annual Capacity : **10 MT**

Disclaimer

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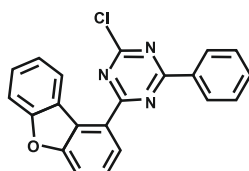
46 2-CHLORO-4-(DIBENZO(B,D)FURAN-1-YL)-6-PHENYL-1,3,5-TRIAZINE (STELLAR-2047)

Product Code : **011334**
CAS No : **1883265-32-4**

Molecular formula : **C₂₁H₁₂ClN₃O**
Molecular weight : **357.79**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate.**



Typical Properties

Under Development

Physical Appearance : **White To Off White Powder**
Purity (HPLC) : **NLT 99.0%**
Melting Point : **171.0 to 175.0 °C**

Annual Capacity : **8 MT**

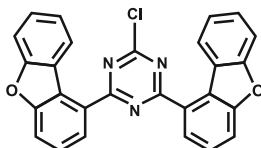
47 2-CHLORO-4,6-BIS(1-DIBENZOFURANYL)1,3,5-TRIAZINE (STELLAR-2048)

Product Code : **011329**
CAS No : **2392930-05-9**

Molecular formula : **C₂₂H₁₄ClN₃O₂**
Molecular weight : **447.87**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate.**



Typical Properties

Under Development

Physical Appearance : **White To Off White Powder**
Purity (HPLC) : **NLT 99.0%**

Annual Capacity : **10 MT**

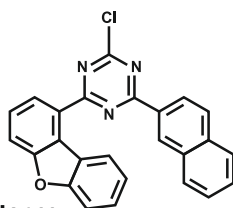
48 2-CHLORO-4-(DIBENZOFURAN-1-YL)-6-(NAPHTHALEN-2-YL)-1,3,5-TRIAZINE (STELLAR-2049)

Product Code : **011330**
CAS No : **2418528-30-8**

Molecular formula : **C₂₅H₁₄ClN₃O**
Molecular weight : **407.85**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate.**



Typical Properties

Under Development

Physical Appearance : **White To Off White Powder**
Purity (HPLC) : **NLT 99.0%**

Annual Capacity : **12 MT**

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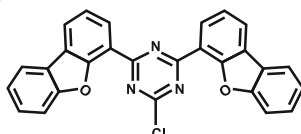
49 2-CHLORO-4,6-BIS(DIBENZO[B, D]FURAN-4-YL)-1,3,5-TRIAZINE (STELLAR-2050)

Product Code : **011333**
CAS No : **1699739-83-7**

Molecular formula : **C₂₇H₁₄ClN₃O₂**
Molecular weight : **447.87**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate**



Typical Properties

Under Development

Physical Appearance : **White to Off White Powder**
Purity : **NLT 99.0%**

Annual Capacity : **10 MT**

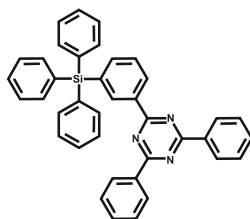
50 2,4-DIPHENYL-6-(3-(TRIPHENYLSILYL)PHENYL)-1,3,5-TRIAZINE (STELLAR-2051)

Product Code : **011337**
CAS No : **2254737-32-9**

Molecular formula : **C₃₃H₂₉N₃Si**
Molecular weight : **567.75**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate**



Typical Properties

Under Development

Physical Appearance : **White to Off White Powder**
Purity : **NLT 99.0%**

Annual Capacity : **20 MT**

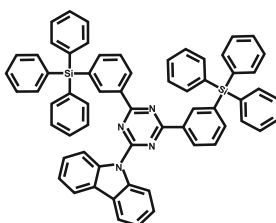
51 9-[4,6-BIS[3-(TRIPHENYLSILYL)PHENYL]-1,3,5-TRIAZIN-2-YL]-9H-CARBAZOLE (STELLAR-2052)

Product Code : **011366**
CAS No : **2422045-57-4**

Molecular formula : **C₆₃H₄₆N₄Si₂**
Molecular weight : **915.24**

Safety &
Transit hazards : **Non Hazardous Substance**

Application : **It is use as Organic Light emitting diode (OLED) intermediate**



Typical Properties

Under Development

Physical Appearance : **White to Off White Powder**
Purity : **NLT 99.0%**

Annual Capacity : **15 MT**

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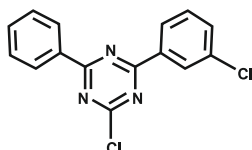
52 2-CHLORO-4-(3-CHLORO-PHENYL)-6-PHENYL-[1,3,5]TRIAZINE (STELLAR-2053)

Product Code : **011332**
CAS No : **2125473-29-0**

Molecular formula : **C₁₅H₉Cl₂N₃**
Molecular weight : **302.16**

Safety &
Transit hazards : **Non Hazardous
Substance**

Application : **It is use as Organic Light emitting
diode (OLED) intermediate**



Typical Properties

Under Development

Physical Appearance : **White to Off White Powder**
Purity : **NLT 99.0%**

Annual Capacity : **10 MT**

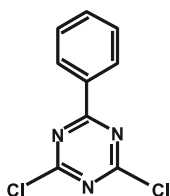
53 2,4-DICHLORO-6-PHENYL-1,3,5-TRIAZINE (STELLAR-2054)

Product Code : **010764**
CAS No : **1700-02-3**

Molecular formula : **C₉H₃Cl₂N₃**
Molecular weight : **226.06**

Safety &
Transit hazards : **Non Hazardous
Substance**

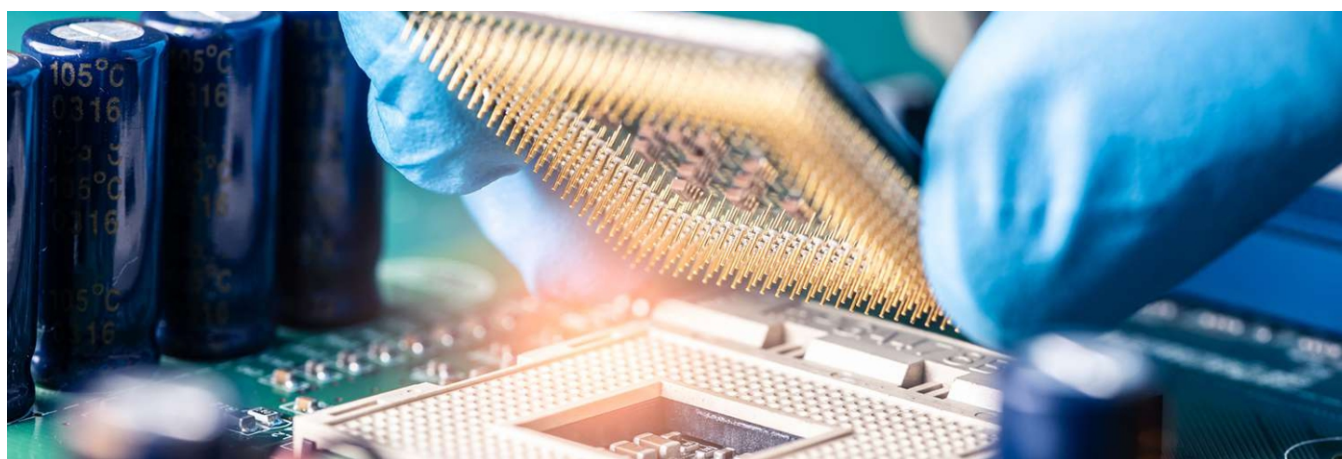
Application : **Agrochemical Intermediates, Syntheses Materials
Intermediates, OLED intermediates, Intermediate of UV absorbers**



Typical Properties

Physical Appearance : **Off white powder**
Melting Point : **119-123 °C**
Purity (HPLC) : **Min 99.0%**
Volatiles : **Max 0.5%**

Annual Capacity : **50 MT**



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ADDRESS

Corporate Office

501 - 502, Waterford, 'C' Wing,
C D Barfiwala Marg, Juhu Lane,
Andheri (W), Mumbai - 400 058, India.

Plants

N-129, N-130, N-131, N-132 & N-232,
MIDC, Tarapur - 401 506, India.



CONTACT

P : +91 (22) 6128 5566
 +91 (22) 4218 4218

F : +91 (22) 4218 4350

E : fchem@sarex.com
W : www.sarex.com



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