Sarex Overseas
A division of Sarex Organics Pvt. Ltd.

UV ABSORBERS FOR COATING POLYMERS

PRODUCTS

**COAT WITH CONFIDENCE:
HARNESS THE POWER OF UV ABSORBERS
FOR ULTIMATE PROTECTION**

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SAREX OVERSEAS MANUFACTURING COMPLEX, TARAPUR, INDIA

SAREX OVERSEAS NEW PLANT, TARAPUR, INDIA

BIRD EYE VIEW SAREX OVERSEAS MANUFACTURING COMPLEX, TARAPUR, INDIA

Contents

22+
Year of Experience

200+
No. of Customers Served

25+
Countries Served

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 is the GMP complied manufacturing facility. Many multinational companies have audited its facility as per ICH Q7-GMP guideline and Sarex is their approved Vendor. Sarex is certified by ISO 9001, ISO 14001, ISO 37001 and OHSAS 45001 by URS, UK. Besides Sarex has Ecovadis GOLD rated Certificate 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.

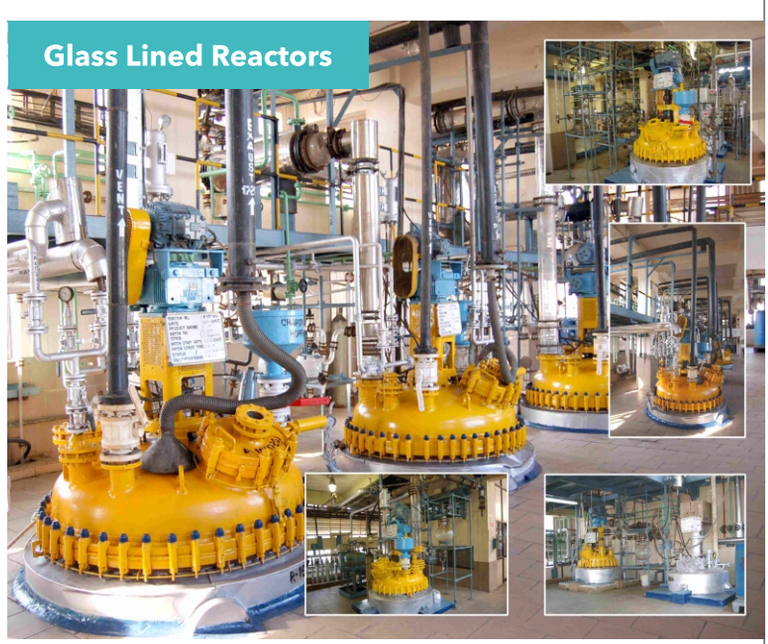
Over the years Sarex Overseas has become one of the largest leading manufacturer of Triazine based UV absorbers and light stabilizer and intermediates which are used in many Industries used as additive in plastics and coatings , Textile industry , Agro films, personal care industry to enhance their durability, 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 10 KL 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.

Centrifuge, SS Reactors

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.

Rotary Vacuum Paddle Dryer

Agitated Nutch Filter

Sarex stands for quality products!

Importance of UV Absorbers for Coating Polymers

The coating industry plays a crucial role in various sectors, providing protective, decorative, and functional solutions for a wide range of materials and surfaces. Coatings are applied as thin layers on substrates to enhance their properties, appearance, and durability.

TYPES OF COATINGS

The industry encompasses a diverse array of coatings, including but not limited to

PAINTS
Used for decorative purposes and protection against weathering, corrosion, and wear.

INDUSTRIAL COATINGS
Designed for heavy-duty protection in industrial settings, such as pipelines, bridges, and machinery.

AUTOMOTIVE COATINGS
Applied on vehicles to enhance aesthetics and protect against environmental factors.

PROTECTIVE COATINGS
Provide corrosion resistance and chemical protection for metals, concrete, and other materials.

POWDER COATINGS
Applied as dry, fine powder and cured to form a protective and decorative layer.

AEROSPACE COATINGS
Designed to meet strict aviation standards for aircraft surfaces.

MARINE COATINGS
Protect ships and offshore structures from harsh marine environments.

UV absorbers, also known as ultraviolet absorbers or UV stabilizers, are additives used in coatings to protect substrates from the harmful effects of ultraviolet (UV) radiation. UV radiation from sunlight can cause degradation and fading of coatings, leading to reduced durability and aesthetic appearance. UV absorbers work by absorbing UV light, converting it into harmless heat energy, and preventing it from reaching the substrate. They are commonly used in various coating applications, including paints, varnishes, and protective coatings.

UV absorbers find applications in various coating industries, such as automotive coatings, architectural coatings, wood coatings, and industrial coatings, where protection against UV radiation is essential for maintaining the appearance and longevity of the coated products.

UV absorbers are used in all synthetic material such as Plastics which is made up of Polycarbonate (PC), Polyesters, Polyamide (PA), Polyethylene (PE), Polyethylene terephthalate (PET) and so on.

IN THE UV ABSORBERS THERE ARE 3 TYPES

- Benzophenone
- Benzotriazole
- Triazine

Triazine UV absorbers are the latest class of products.

TRIAZINE CHEMISTRY
known for best UV stability there is

These products have the advantages of high efficiency (low addition and good effect), low color (making it more widely used), high processing temperature, good compatibility (good dispersion and easy chemical modification of the molecule itself) and excellent broad-spectrum (in the UVA and UVB ultraviolet range with a high molar absorption coefficient).

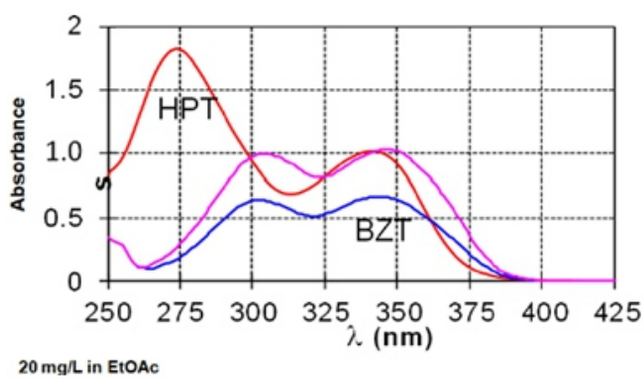
Triazine is a nitrogen-containing heterocyclic compound with a six-membered ring structure composed of three carbon atoms and three nitrogen atoms. It is a highly stable and versatile compound that finds use in a wide range of applications, including UV Absorbers for Polymer additives, Coating, Dyes and Textile, Flame Retardant, Healthcare and Personal care, Automotive Industry, Agro films etc.

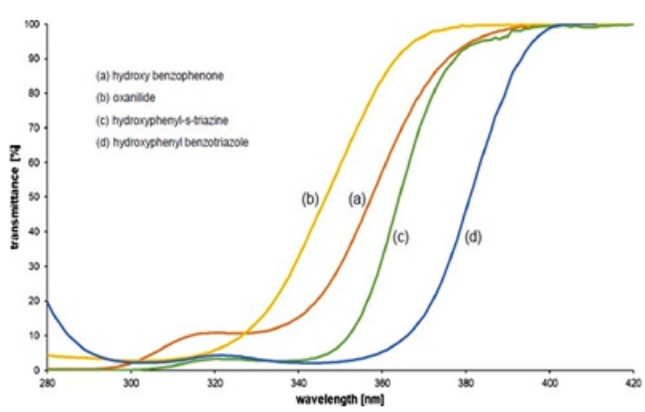
KEY FEATURES

- A Triazine UV absorber has excellent properties. In addition, the dosage you need to put into your polymer is usually lower compared to other UV absorbers.
- In the automotive industry, that UV-absorbers (UVA) based on hydroxyphenyl-s- triazines (HPT) are capable of fulfilling the requirements such as higher performance and quality as well as cost pressures where 2-(2-hydroxyphenyl)-benzotriazoles (BTZ) tend to fail or show inferior properties.
- Investigations have shown that HPT has very low-vapor pressure and the best photo permanence (resistant to the loss of stabilizer during the light exposure.
- Besides the photo permanence, the heat resistance (i.e., the low volatility)/heat stability is a key point.
- HPT shows, in addition, excellent chemical resistance without interaction with metals or strong alkalis.
- Triazines have very high thermal stability.
- Triazine shows best performance in terms of gloss and color retention.
- Intended for use in contact with food.
- High UV absorption efficiency (less dosage with better effect).
- Broad absorption spectrum.

COMPARISON OF UV ABSORBANCE SPECTRA

The spectral properties of the HPT exhibit the strongest absorption in the region of 300 nm, with two absorption maxima; in the shortwave UV at about 300 nm (strong) and in the longwave UV at about 340 nm (less pronounced).





APPLICATION OF TRIAZINE

Triazines have a wide range of applications in various industries, including:

UV ABSORBER POLYMER ADDITIVES

Triazines are widely used as UV absorber additives in polymers like plastics, resins and coatings. It has distinct advantage over the rest of UVA absorbers such as Benzophenones (BZP) and Benzotriazoles (BZT). Some UV absorber for complex mouldings, fibers, plain and corrugated sheets, twin wall sheets, thin films, co-injected or coextruded semi-finished parts, allows polycarbonates and polyesters to achieve a higher resistance to weathering than conventional benzotriazole UV absorbers.

POLYMERS

Triazines can be used as monomers in the synthesis of novel polymers with desirable properties such as thermal stability, electrical conductivity, and mechanical strength.

COATINGS

Triazine is the best UV Absorbers. It helps to protect the coating by absorbing sunlight instead of letting it reach the adhesives, plastics, coatings, and elastomers. It is useful to protect adhesives, plastics, coatings, and elastomers from the damaging effects of outdoor weathering.

TEXTILES & DYES

Triazine compounds can be used to produce a range of dyes, including reactive dyes, acid dyes, and direct dyes. Triazine can be used as UV absorber in textile auxiliary. It can also be used in polycarbonates, injection moulding, moulding, thermoplastics, fibres, textiles and carpets for enhanced durability, color fastness and performance. It can be used in industrial paints and automotive paints with high thermal stability and durability requirements.

FLAME RETARDANTS

Triazines are used as flame retardants in a range of materials, including plastics, textiles, and construction materials.

HEALTHCARE & PHARMACEUTICALS

Triazine derivatives widely used in Healthcare and personal care industry. Triazine derivatives used as UV absorbers in sunscreen cream.s-Triazine is extensively studied because of its wide applications in biological systems as an antibacterial, antiviral, anticancer, and antifungal agent.

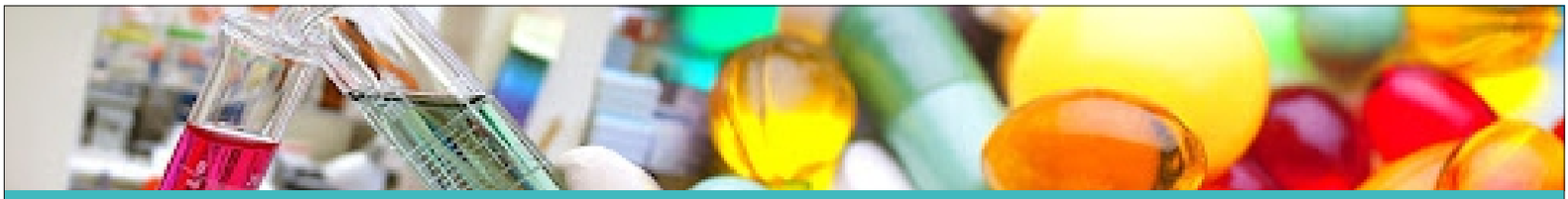
AUTOMOTIVE / ELECTRONIC INDUSTRY

In the automotive industry, that UV-absorbers (UVA) based on hydroxyphenyl-s-triazines (HPT) are capable of fulfilling the requirements such as higher performance and quality as well as cost pressures where 2-(2-hydroxyphenyl)-benzotriazoles (BTZ) tend to fail or show inferior properties.

AGRO FILM

Triazine can be used as a light stabilizer (UV-absorber) for all kinds of polymers. in high performance agro PE films for high resistance to pesticides.

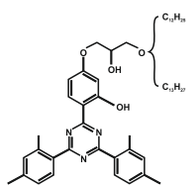
Appolo series deliver superior UV protection to enhance the performance of polymers in coatings, plastics and many advanced applications, preventing against degradation problems such as discoloration, gloss loss, as well as surface chalking.



PRODUCT LIST OF
UV ABSORBERS FOR COATINGS

01 APPOLO ™ 400 (2-[4-[(2-Hydroxy-3-dodecyloxypropyl)oxy]-2-hydroxyphenyl]-4,6-bis (2,4-dimethylphenyl)-1,3,5-triazine & 2-[4-[(2-Hydroxy-3-tridecyloxypropyl)oxy]-2-hydroxyphenyl] -4,6-bis(2,4-dimethylphenyl)-1,3,5-triazine)

Product Code : **001356**
CAS No : **153519-44-9**
Molecular formula : **$C_{28}H_{28}N_3O_4 \cdot C_{12}H_{25}/C_{13}H_{27}$**
Molecular weight : **653.89**



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

Application : **It can be used in industrial paints and automotive paints with high thermal stability and durability requirements.**

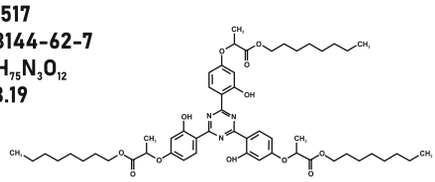
Typical Properties

Physical Appearance : **Yellow To Slight Orange Viscous Liquid**
Color of solution 460 nm : **NLT 94.0%**
Color of solution 500 nm : **NLT 97.0%**
Purity (HPLC) : **NLT 98.0%**

Annual Capacity : **200 MT**

02 APPOLO ™ 477 (2,4,6-Tris[4-(1-octyloxycarbonyl)ethyloxy-2-hydroxyphenyl]-1,3,5-triazine)

Product Code : **010517**
CAS No : **348144-62-7**
Molecular formula : **$C_{54}H_{75}N_3O_{12}$**
Molecular weight : **958.19**



Safety & Transit hazards : **Hazardous Substance**

Application : **Used as UV absorber additive in general plastics.**

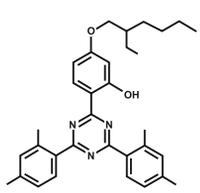
Typical Properties

Physical Appearance : **Yellowish to Light Brownish Viscous Liquid**
Moisture Content (KF) : **NMT 1.0%**
Lambda Max : **353 ± 5.0 nm**

Annual Capacity : **100 MT**

03 APPOLO ™ 1164L (2-(4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl)-5-((2-ethylhexyl)oxy)phenol)

Product Code : **001323**
CAS No : **652991-75-8**
Molecular formula : **$C_{33}H_{39}N_3O_2$**
Molecular weight : **509.68**



Safety & Transit hazards : **Hazardous Substance**

Application : **UV absorber additive for polyurethanes, unsaturated polyester, coatings, resins and paints.**

Typical Properties

Physical Appearance : **Yellow orange liquid**
Specific gravity : **1.0 - 1.02**
Assay : **NLT 65%**

Annual Capacity : **100 MT**

Disclaimer
Typical properties should not be considered as specification.
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Annual Capacity
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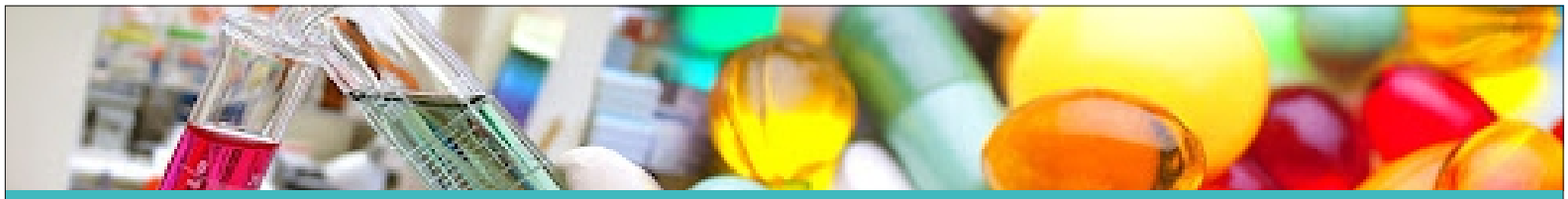
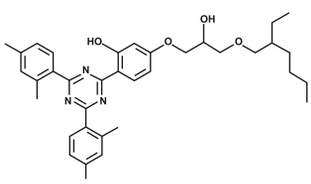


PRODUCT LIST OF
UV ABSORBERS FOR COATINGS

04 APPOLO ™ 405 (2-[2-Hydroxy-4-[3-(2-ethylhexyl-1-oxy)-2-hydroxypropyloxy]phenyl]-4,6-bis (2,4-dimethylphenyl)-1,3,5-triazine)

Product Code : **001306**
CAS No : **137658-79-8**
Molecular formula : **$C_{36}H_{45}N_3O_4$**
Molecular weight : **583.76**



Typical Properties

Physical Appearance : **Light Yellow Solid**
Purity (HPLC) : **NLT 96.0%**
Melting Point : **73-77 °C**

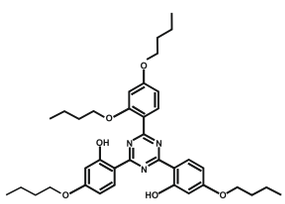
Safety & Transit hazards : **Non Hazardous Substance**

Annual Capacity : **50 MT**

Application : **Used as UV absorber in automotive clear coats, automotive powder coats. Powder coatings for plastics and wood and high performance industrial coatings.**

05 APPOLO ™ 460 (2,4-Bis(2-hydroxy-4-butyloxyphenyl)-6-(2,4-bis-butyloxyphenyl)-1,3,5-triazine)

Product Code : **001330**
CAS No : **208343-47-9**
Molecular formula : **$C_{37}H_{47}N_3O_6$**
Molecular weight : **629.78**



Typical Properties

Physical Appearance : **Off White To Yellowish Powder Or Granules**
Purity (HPLC) : **NLT 98.0%**
Melting point : **93.0 - 102.0°C**
Loss on drying : **NMT 0.5%**

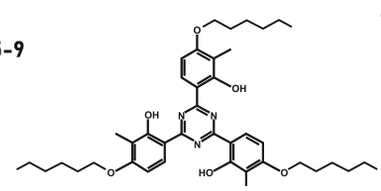
Safety & Transit hazards : **Non Hazardous Substance**

Application : **It is UV absorber used in Industrial coatings. It is used for high-performance printing and packaging applications.**

Annual Capacity : **50 MT**

06 APPOLO ™ 462 (2,4,6-Tris (2-hydroxy-4-hexyloxy-3-methylphenyl)-1,3,5-triazine)

Product Code : **010196**
CAS No : **222529-65-9**
Molecular formula : **$C_{42}H_{57}N_3O_6$**
Molecular weight : **699.00**



Typical Properties

Physical Appearance : **Yellow powder**
Melting Point : **144-150°C**
Purity (HPLC) : **NLT 98%**
Loss on Drying : **NMT 0.5%**

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

Application : **Used in Copper Clad Laminate (CCL). Triazine-based UVA that has a very high absorption capacity in the ultraviolet region near 350 to 380 nm.**

Annual Capacity : **50 MT**

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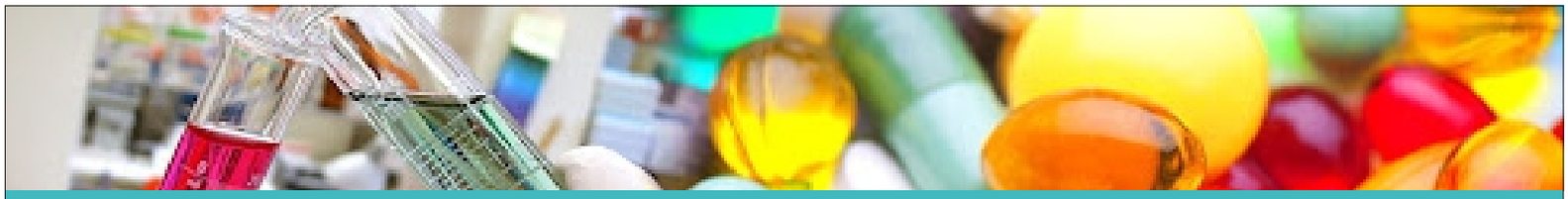
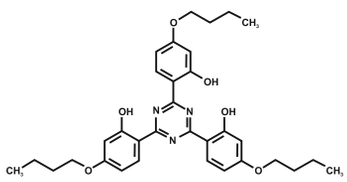


PRODUCT LIST OF
UV ABSORBERS FOR COATINGS

07 APPOLO ™ 480 (2,4,6-Tris(2-hydroxy-4-butoxyphenyl)-1,3,5-triazine)

Product Code : **010282**
CAS No : **3135-19-1**
Molecular formula : **$C_{33}H_{39}N_3O_6$**
Molecular weight : **573.69**



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

Application : **UV absorption ability and anti-oxidation. Therefore it is used in plastic coating additive.**

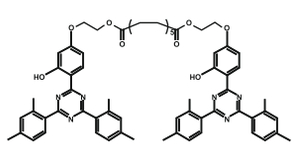
Typical Properties

Physical Appearance : **Yellow Powder**
Melting Point : **151.0-155.0°C**
Loss on Drying : **NMT 2.00%**
Purity (HPLC) : **NLT 90.0%**

Annual Capacity : **80 MT**

08 APPOLO ™ 1100 (Bis(2-(4-(4,6-bis(2,4-dimethylphenyl)-1,3,5-triazin-2-yl)-3-hydroxphenoxy) ethyl)dodecanedioate)

Product Code : **010761**
CAS No : **1939280-95-1**
Molecular formula : **$C_{66}H_{72}N_6O_8$**
Molecular weight : **1077.34**



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

Application : **Used in Polycarbonate, polyethylene terepthalates etc.**

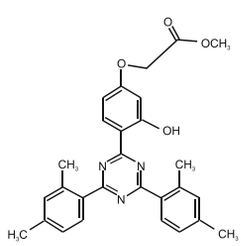
Typical Properties

Physical Appearance : **Yellow Powder**
Purity (HPLC) : **NLT 98%**
Loss on Drying : **NMT 1.0%**
Melting Point : **158-160 °C**

Annual Capacity : **50 MT**

09 APPOLO ™ 1165 (2,4-Bis(2,4-dimethylphenyl)-6-(2-hydroxy-4-methyl acetoxy)-1, 3, 5-triazine)

Product Code : **009643**
CAS No : **Not available**
Molecular formula : **$C_{28}H_{27}N_3O_4$**
Molecular weight : **469.00**



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

Application : **Used as UV absorber general plastic additive.**

Typical Properties

Physical Appearance : **Yellow powder**
Purity (HPLC) : **NLT 99%**
Melting Point : **144-148 °C**
Volatiles : **NLT 0.5%**
Transmittance @ 460nm : **Min 60%**
Transmittance @ 500nm : **Min 70%**

Annual Capacity : **50 MT**

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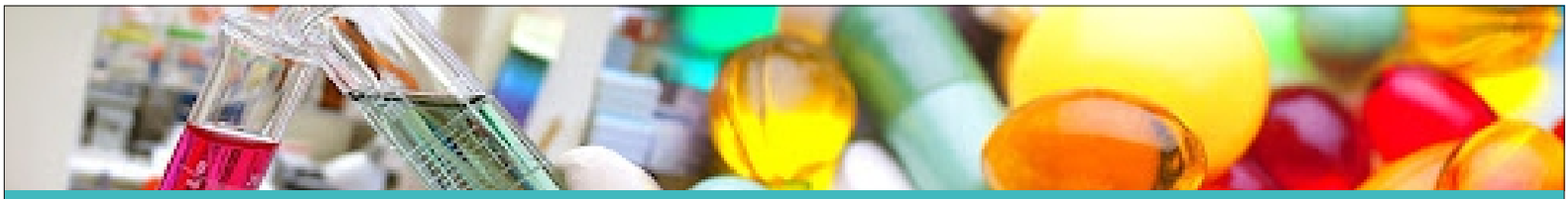
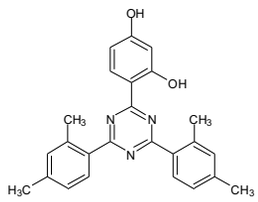


PRODUCT LIST OF
UV ABSORBERS FOR COATINGS

10 APPOLO ™ 107 (2,4-Bis(2,4-dimethylphenyl)-6-(2,4-dihydroxyphenyl)-1,3,5-triazine)

Product Code : **009560**
CAS No : **1668-53-7**
Molecular formula : **$C_{25}H_{23}N_3O_2$**
Molecular weight : **397.69**



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

Application : **Intermediate for Appolo 1164L, 1164, 400, 405. The UV absorber additives for Plastics & Coatings**

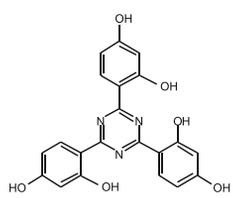
Typical Properties

Physical Appearance : **Off white to pale yellow powder**
Purity (HPLC) : **Min 99%**
Volatiles : **Max 0.5%**
Transmittance @ 450nm : **Min 70%**
Transmittance @ 500nm : **Min 80%**

Annual Capacity : **120 MT**

11 APPOLO ™ 459 (1,3-Benzenediol, 4,4',4"-(1,3,5-triazine-2,4,6-triyl)tris)

Product Code : **009556**
CAS No : **2125-23-7**
Molecular formula : **$C_{21}H_{15}N_3O_6$**
Molecular weight : **405.36**



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

Application : **It is triazine intermediate to manufacture UV absorbers as plastic additive such as Appolo-477.**

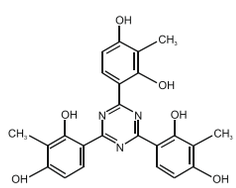
Typical Properties

Physical Appearance : **Yellow powder**
Purity (HPLC) : **NLT 99%**
Loss on Drying : **Max 4%**
Identify by FTIR : **Complies**

Annual Capacity : **100 MT**

12 APPOLO ™ 461 (4,4',4"-(1,3,5-triazine-2,4,6-triyl)tris(2-methylbenzene-1,3-diol)

Product Code : **010661**
CAS No : **434942-20-8**
Molecular formula : **$C_{24}H_{21}N_3O_6$**
Molecular weight : **447.45**



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

Application : **Used as intermediate to manufacture Appolo-462 which is UV absorber additive for general plastics and coatings.**

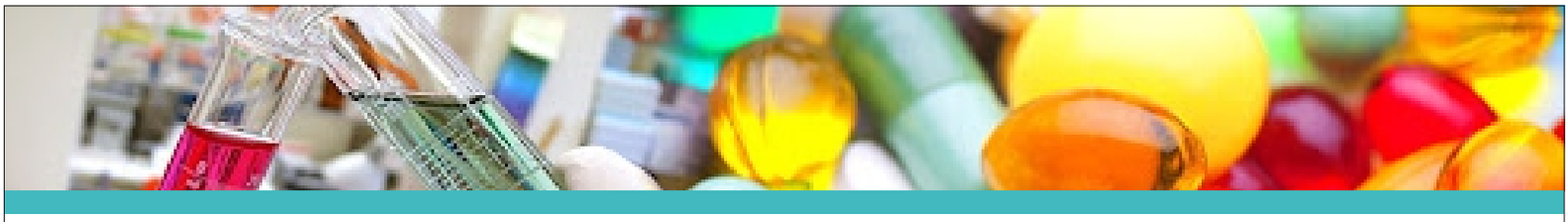
Typical Properties

Physical Appearance : **Yellow powder**
Purity (HPLC) : **NLT 98%**
Loss On Drying : **NMT 2.0%**

Annual Capacity : **50 MT**

Disclaimer
Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use.
The Patent position should be verified by the customer.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (l).
Above information is given in good faith and without warranty.
Given end use / API available in public domain, customer need to verify.

Annual Capacity
Annual capacity mentioned is indicative and can be enhanced by changing product mix.



SAREX TRIAZINE UVA

SELECTION GUIDE FOR COATINGS

Triazine UVA	Physical Form	Application				Coating Type			
		Automotive	Industrial	Wood	Inks	Solventborne	Waterborne	Powder	UV-Curing
APPOLO ™ 400	liquid (85% in 1M2P*)	⬢	⬢	⬢	⬢	⬢	⬢		⬢
APPOLO ™ 1164L	liquid (65% in xylene)	⬢	⬢			⬢			
APPOLO ™ 477	liquid (ca. 80% in 1M2PA**)		⬢	⬢		⬢	⬢		
APPOLO ™ 405	solid (mp: 73-77°C)	⬢	⬢			⬢		⬢	⬢
APPOLO ™ 460	solid (mp: 93-102°C)		⬢	⬢				⬢	
APPOLO ™ 462	solid (mp: 144-150°C)		⬢	⬢				⬢	

*** 1-Methoxy-2-propanol**
**** 1-Methoxy-2-propyl acetate**

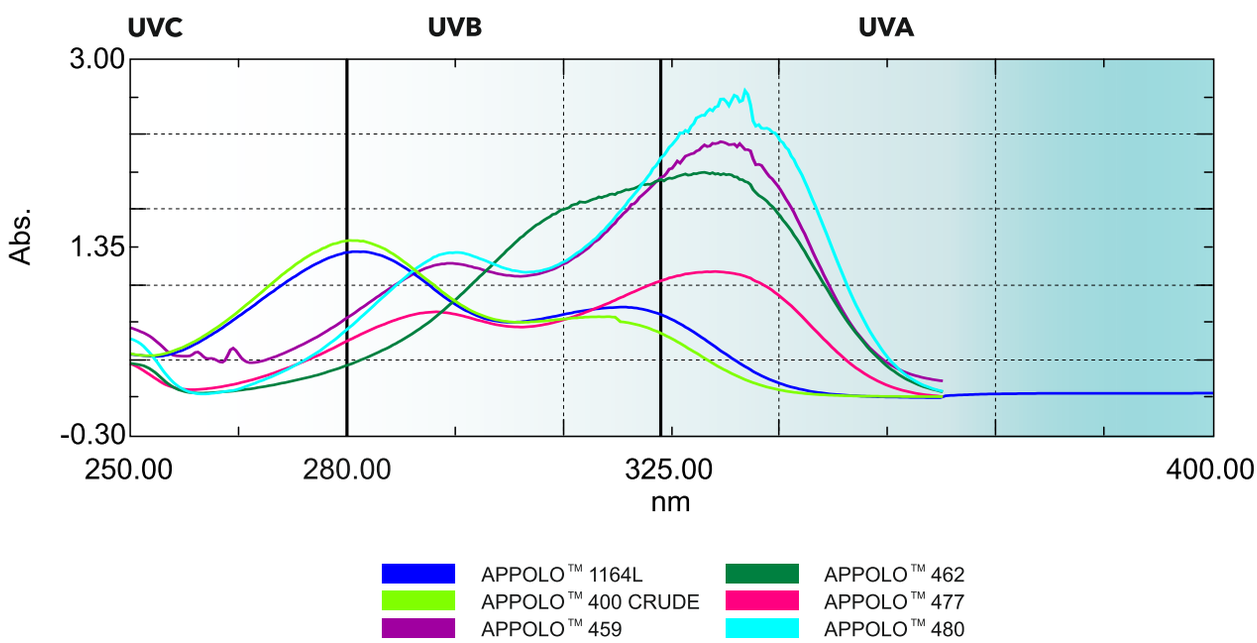
Concentrations (% on binder solids) recommended to achieve a high stabilization efficiency at a given dry film thickness (DFT):

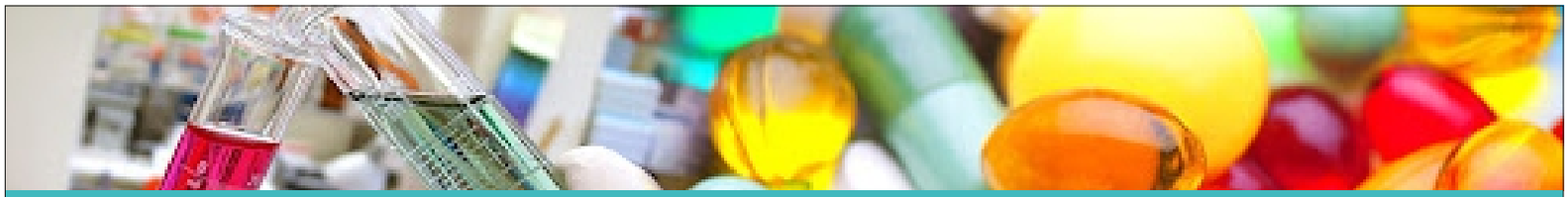
- 10 µm – 20 µm: 8.0 % – 4.0 wt % Triazine UVA
- 20 µm – 40 µm: 4.0 % – 2.0 wt % Triazine UVA
- 40 µm – 60 µm: 2.0 % – 1.5 wt % Triazine UVA

For outdoor applications it is recommended to use Triazine UVAs in combination with hindered amine light stabilizer (HALS):

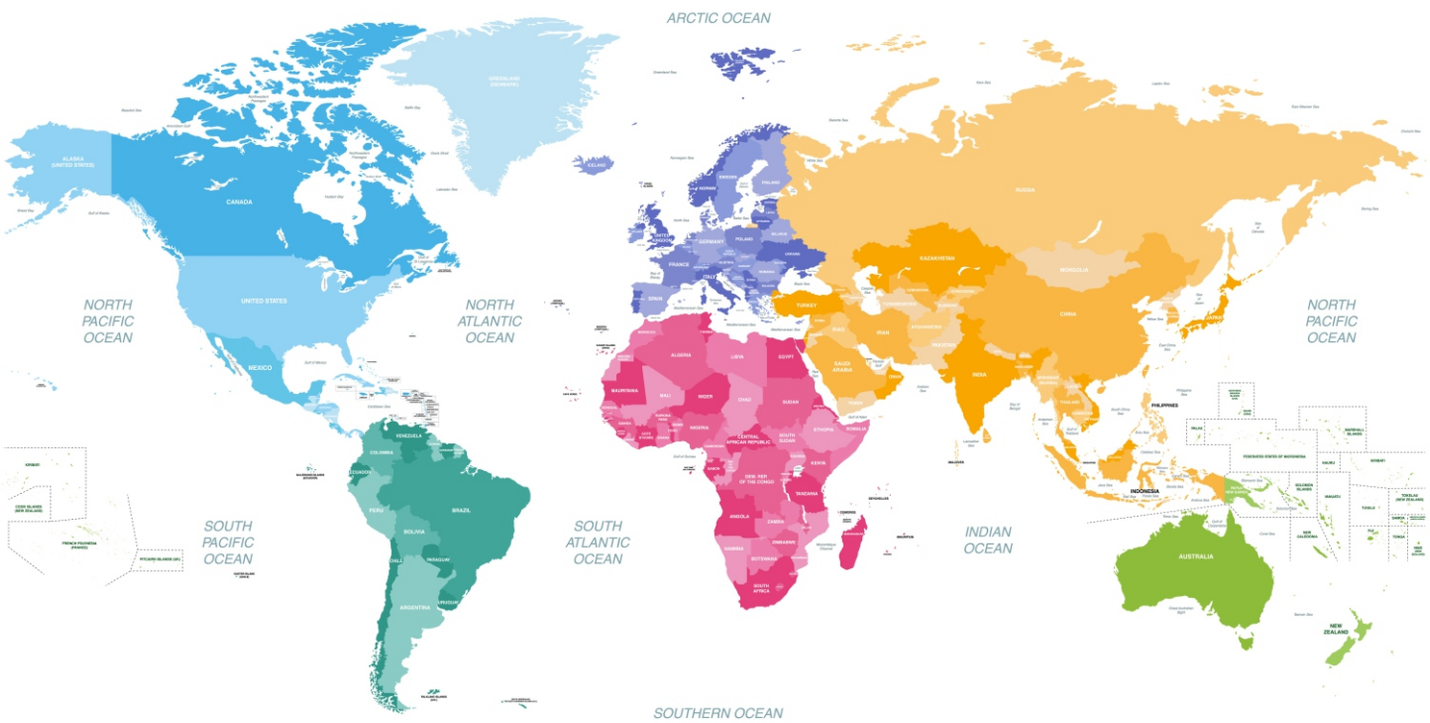
- Liquid coatings: e.g. HALS 292, HALS 123
- Powder coatings: e.g. HALS 144, HALS 622 HALS

COATING PRODUCTS ABSORBANCE CURVE



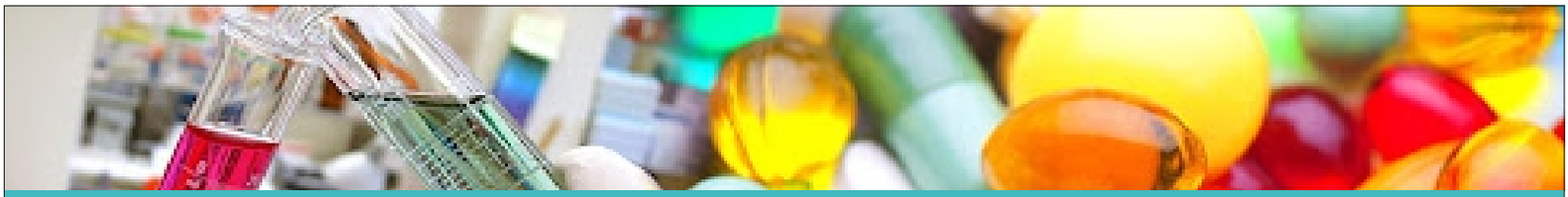


COUNTRIES / REGIONS WHERE SAREX IS SELLING



01. Germany
02. Switzerland
03. USA
04. Netherlands
05. Indonesia
06. China
07. South Korea
08. Belgium
09. Taiwan
10. Italy
11. Spain
12. Hong Kong
13. Turkey
14. France
15. Japan
16. Brazil
17. United Kingdom
18. Colombia
19. Slovakia
20. Portugal
21. Colombia
22. Sri Lanka
23. Brazil
24. Hungry
25. India

and many more..



CONTRACT
MANUFACTURING

APART FROM ABOVE MENTIONED COATING PRODUCTS, SAREX DOES CONTRACT MANUFACTURING FOR LARGE MULTINATIONAL COMPANIES UNDER SECRECY AGREEMENT. THOSE PRODUCTS ARE NOT LISTED.

In today's rapidly evolving industries, the demand for specialized chemicals continues to grow. Fine chemicals play a pivotal role in various sectors, including pharmaceuticals, agrochemicals, electronics, and more. However, developing and manufacturing these chemicals require substantial resources, expertise, and infrastructure. This is where contract manufacturing of fine chemicals steps in as a strategic solution.

STATE-OF-THE-ART INFRASTRUCTURE

Our cutting-edge manufacturing facility is equipped with the latest technologies, enabling us to handle a diverse range of projects. From small-batch productions to large-scale manufacturing, our capabilities are designed to accommodate your requirements.

- Sarex has developed new products based on customer's requirements worldwide.
- R&D centre plays crucial role in handling complex chemistry and developing newer technologies.
- We develop & manufacture products under non-disclosure agreement.
- 50+ NDA's / CDA's signed.
- 30+ Products Commercialize.
- We have manufactured compounds as per customer’s requirement which is useful in semiconductor industry, organic light emitting diodes.

REACTIONS WE CAN HANDLE

Sarex offers over specialized reaction chemistry as below;

- Fridel Craft
- Condensation
- Catalytic Reduction (Hydrogenation) under pressure
- Grignard
- Oxidation
- Reduction
- Bromination
- Chlorination
- Acylation

and many more..

We are approved vendor of many European customers and regularly being audited by them for their stringent quality standard & EHS requirements.

THANK YOU

GET IN TOUCH WITH US

CERTIFICATES OF ACCREDITATION

ECOVADIS GOLD STAR | ICH Q7 | ISO 45001:2018 | ISO 37001:2016 | ISO 14001:2015 | ISO 9001:2015 | THREE STAR EXPORT HOUSE | UN GLOBAL COMPACT

Name: **CP03**
Version: **0004**
Date: **15.09.25**

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