Technical Bulletin

...New Ways...New Science...New Ways...New Science...New Ways...New Science...New Ways...

TEBOL® 99 tertiary Butyl Alcohol

DESCRIPTION

High purity tertiary butyl alcohol (TEBOL® 99) is a colorless, noncorrosive liquid which exhibits uniquephysical and chemical properties. Excellent solvating and coupling capabilities, in conjunction with its stability and low reactivity, make Tebol 99 an ideal solvent. Tebol 99can also be used in chemical syntheses as an ideal source for the tertiary butyl functionality.

TYPICAL PROPERTIES

- Specific Gravity (20/20°C) 0.80
- Boiling Point (760 TORR) .....82°C
- Freezing Point .....24°C
- Flash Point (Tag Closed Cup) .....11°C
- Non-Volatile Matter (g/100mL).....0.001
- Vapor Pressure (20°C) ..... 31.0 mm Hg
- CAS Number..... 75-65-0

Tebol 99 is a versatile solvent for use in numerous applications including industrial process solvent, reaction solvent, and chemical intermediate. Lyondell Chemical produces Tebol 99 as a co-product in the production of propylene oxide.

APPLICATIONS

Industrial Process Solvent. Its unique solubility characteristics make Tebol 99 an attractive cosolvent or non-surfactant compatibilizer for many immiscible solvent blends. Good miscibility in conjunction with excellent solvating characteristics, makes Tebol 99 a unique solvent for industrial processing applications.

Reaction Solvent. Tebol 99 provides potent solvency for many non-polar or moderately polar fine chemicals and intermediates. Excellent oxidative stability and low reactivity make Tebol 99 an ideal solvent for many reaction processes including oxidation, reductions, and esterifications.

Aqueous Applications. Stability and compatibility can be gained in some aqueous-based products by using Tebol 99. Its addition can significantly reduce the surface tension of water, enabling formulators to dissolve marginally water soluble ingredients into an aqueous system without generating an emulsion or a highly foaming product.

For further information contact Tradechem P/L -:

Phone 02 9816 1287
Fax 02 9816 1267
Email noramary@tradechem.com.au

....Press Release.....

heubach

Unlimited Access - HEUCORIN® FR

Water borne coatings can cause corrosion to metallic substrates in form of flash or early rusting, which has to be inhibited in addition to the must, to

adjust long term protection. The use of organic combined with inorganic corrosion inhibitors together with flash/early rust inhibitors are the present state of the art to control these effects.

HEUCORIN® FR is a new innovative product on the market, being both, a high performance organic corrosion and a highly effective flash/early rust inhibitor. You will find the advantages in your Formulations for water borne Protective Coatings on variety of substrates.

For further information contact Tradechem P/L -:
Phone : 02 9816 1287
Fax 02 9816 1267
Email : **noramary@tradechem.com.au**

HEUBACH

For a different perspective in Specialty chemical supply

Pb & Cd pigment replacements
Ecopaque®

tertiary-Butyl Acetate Phamacutical
TBAC®

Polyols-Polypropylene Glycol **Sannix®**
from **Sanyo**

Aqueous pigment dispersions
Aquis®

Mixed Metal Oxide Pigments
Heucodur®

Evaporation rate modifiers
EBA, EDGA, DBA, EEA

Flash Rush Inhibitor
Heucorin® FR

Corrosion inhibitor
Heucorin RZ ®

Dispersion aid for inks
Hysperse® FR

tertiary-Butanol high purity
Tebol®99

Titanium **co**lor pigments
Tico®

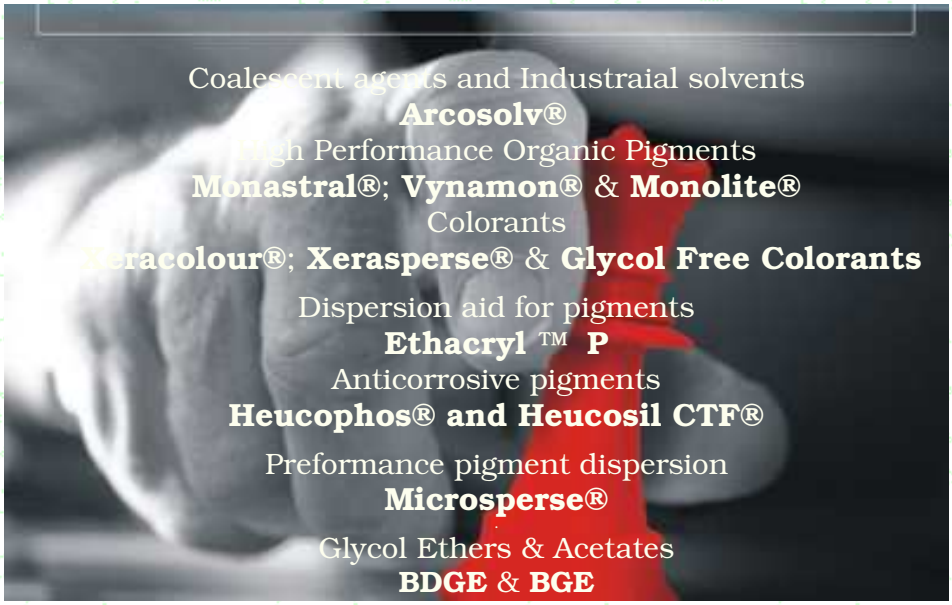
Propylene Carbonate
Arconate PC®

Propylene Glycol
USP Grade

Microbiocide agent
Heucobor® ZB

Bismuth vanidate
Vanadur®

Antiskinning agent
Adimon 84®



Coalescent agents and Industraial solvents
Arcosolv®
High Performance Organic Pigments
Monastral®; Vynamon® & **Monolite®**
Colorants
Xeracolour®; Xerasperse® & **Glycol Free Colorants**
Dispersion aid for pigments
Ethacryl ™ P
Anticorrosive pigments
Heucophos® and Heucosil CTF®
Preformance pigment dispersion
Microsperse®
Glycol Ethers & Acetates
BDGE & **BGE**

TRADECHEM Ph: 02 9816 1287
Email: enquires.tradechem.com.au
Website: www.tradechem.com.au

For a different *perspective* in Specialty Coatings

Automotive

A broad range of high-performance organic and inorganic color pigments are available for the formulation of OEM and repair finishes as well as for the coloration of dashboards and all kind of other automotive plastic components. Highly modified zinc phosphate anticorrosive pigments and inhibitors complete the product range.

General Industrial

In addition to organic and inorganic color pigments and pigment preparations designed for the high-quality coloration of industrial coatings, the product range comprises a full range of organic and inorganic corrosion inhibitors for the long-term protection of many kinds of metal surfaces.

Coil

Colored pigments for coil coatings must satisfy demanding requirements such as very good resistance to temperature, weather ability and hiding power. A comprehensive range of high-performance inorganic and organic color pigments and pigment preparations as well as chrome-free anticorrosion pigments and inhibitors are available for the formulation of coil coatings.

Powder

A broad range of high performance inorganic and organic pigments as well as specialty designed pigment preparations are available for the coloration of powder coatings. They exhibit high tinting strength and fastness properties together with excellent processing characteristics. Highly modified zinc phosphate anticorrosive pigments and inhibitors complete this product range.

Decorative

High performance inorganic and organic color pigments, preparation for both POS and In-plant applications, as well as unique anticorrosion pigments and inhibitors are available for the formulation of decorative paints and coatings.

TRADECHEM Ph: 02 9816 1287
Website: www.tradechem.com.au

Where performance is the criteria

Monolite Yellow 113901

• Highly reddish, opaque Isoindoline yellow 139 suitable for automotive finishes, industrial coatings, refinish paints and powder coatings.
• Excellent light and weather fastness properties.
• Its low viscosity makes it suitable for higher pigments loading concentrates.
• Alternative for chrome and cadmium pigments.

Monolite Yellow 115101

• Clean and deep green shade yellow PY151 good light and weather fastness properties
• Suitable for automotive, industrial, refinish paints and powder coatings

MONOLITE Red 312201

• Bright magenta Quinacridone PR122 with excellent light & weather fastness
• High durability makes it suitable for high end applications as automotive finishes, industrial and decorative coatings

MONOLITE Red 325401

• Clean medium shade DPP Red 254 with high tinting strength & good gloss.
• Recommended for solvent and water based industrial and decorative coatings

MONOLITE Red 325402

• Medium shade Red 254 with high opacity, high chroma & weather fastness.

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Website: www.tradechem.com.au

For a different *perspective* in Specialty chemical *supply*

Polymer Floor Coatings

A broad range of pigment preparations for polymer floor coatings are available either as ready-to-use RAL shade powders or as monopigmented pastes.

Concrete / Plasters

Outstanding fastness to light, weathering and chemicals (including acid and alkali) are requirements for the coloration of construction chemicals. Only a few inorganic pigment chemistries are suitable for the coloration of construction materials. Our high performance complex inorganic color pigments (HEUCODUR®) are perfect solutions for the coloration of construction materials.

Seeds

Seeds need to be colored not only for marking and for better differentiation among the available products in the market but also for handling and warning purposes. The coloration of seeds is done by aqueous preparations. Products of our Aquis line are highly recommended for seed coloration.

Paper

Paper is produced and used for a very broad range of applications. The design of paper is becoming increasingly important for a lot of other consumer goods in order to achieve the needed differentiation for sucessful marketing. Our product portfolio comprises not only inorganic (HEUCODUR®) and organic pigments (HEUCO®) but also aqueous preparations for the coloration of paper and have been tailored to the needs of the industry.

Detergent

Soaps, household and industrial laundry detergents, industrial and commercial cleaning agents, personal care and protection products are colored for product identity and branding in order to distinguish or recognize the products due to their color. The colorants have to keep their shade under e.g. strongly acidic or alkaline conditions based on the chemical nature of the detergents. Our product portfolio provides a full range of solutions for the coloration of the different detergents.

TRADECHEM Ph: 02 9816 1287
Website: www.tradechem.com.au

For a different *perspective* in Specialty Inks

Offset Inks

A broad range of high-performance organic and inorganic color pigments are available for the formulation of OEM and repair finishes as well as for the coloration of dashboards and all kind of other automotive plastic components. Highly modified zinc phosphate anticorrosive pigments and inhibitors complete the product range.

Packaging Inks (water based)

Water based inks are used primarily for packaging printing by either the flexo or gravure process. These low viscosity inks are printed on different kinds of substrates including plastics, paper, board and corrugated board. For the manufacture of packaging inks organic pigments as well as water based pigment preparations are used as colorant options. Our organic HEUCO® pigment line as well as our MICROSPERSE Plus pigment preparations are the ideal choices for this kind of ink application.

Packaging Inks (solvent based)

The HEUCO® pigments which, in general, have been specially designed for packaging inks exhibit very low abrasion properties, have very high levels of transparency and gloss together with outstanding dispersibility. Optimized stability against flocculation allows for highest tinting strength and very good process ability in all kinds of packaging inks.

Laminated Inks

Organic pigments for decorative laminated inks need to possess outstanding fastness properties, in particular very good migration resistance properties combined with high heat stability, transparency, brilliance and optimized dispensability. Our product portfolio offers certain specially designed organic pigments, marketed under the trade name HEUCO®, which are designed to fulfill all these properties.

TRADECHEM Ph: 02 9816 1287
Website: www.tradechem.com.au

For a different *perspective* in Specialty Plastics

PVC
We offer colored pigments and pigment preparations with high processing stability and optimum converting and dispersion characteristics, regardless of the type of PVC product which you intend to color. Economic efficiency combined with high tinting strength enables our tailor-made system solutions to solve all your coloring requirements.

PO
We supply high quality organic and inorganic colored pigments and preparations for the coloration of polyolefin's. All products provide optimized coloristics, ease of dispersion and fastness properties. Polymer producers, compounders and Masterbatch manufacturers utilize our multifunctional color solutions

Engineering Plastics
In addition to our organic and inorganic colored pigments and pigment preparations for the polyolefin industry our product range comprises high performance pigments and preparations for use in engineering plastics and polystyrenics

Fibre
Due to the excellent dispersability and fastness properties of our inorganic pigments the highly sophisticated fibre industry utilises our product portfolio with great success

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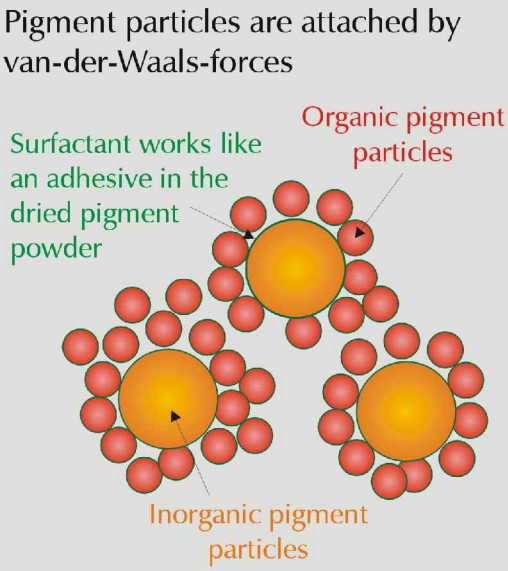
Website: www.tradechem.com.au

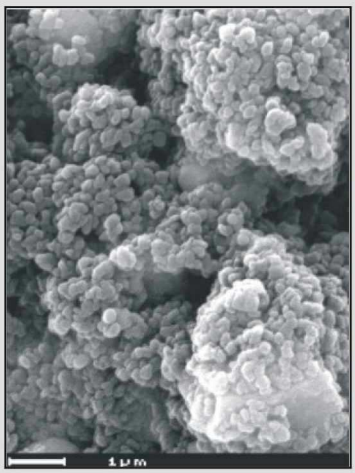
Technical Bulletin

Tico ™ Titanium Color

The idea behind TICO™

TICO's™ are made by bonding organic colorants to the surface of special titanium carriers and form a new class of opaque high performance yellow, orange and red colorants. They cover the full color range spectrum of cadmium and lead pigments without containing these metals. The light, weather and heat fasrness properties of TICO's™ are equal or superior to the values found for HPP organics, chromes and cadmium pigments.





SEM picture Tico R 655

TICO™ Applications

TICO's™ are recommended whenever both, high color saturation and opacity are required. TICO's™ are universal pigments and can be applied in most coating and plastic applications. Dispersibility improvements with reduced dusting

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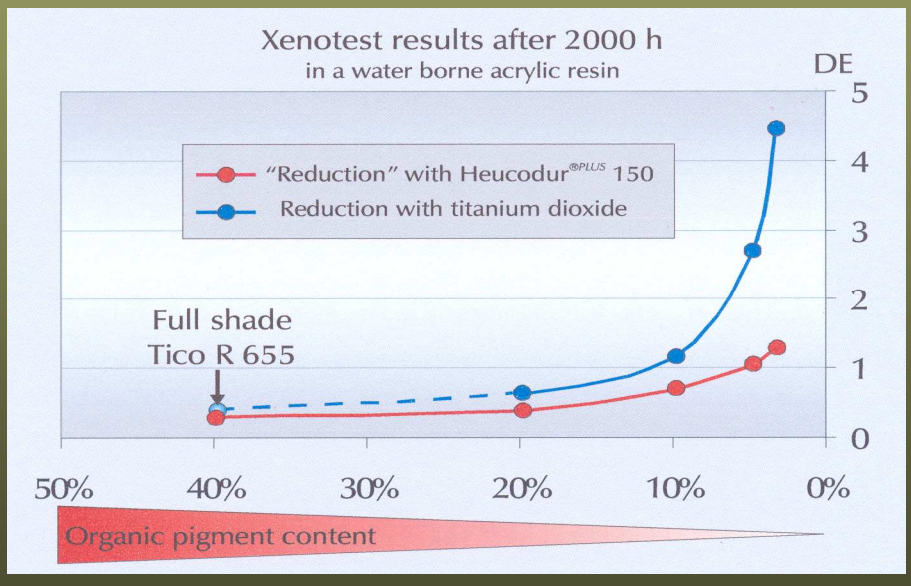


Contact us for a samples or additional technical information at Tradechem P/L
♦Phone: 02 9816 1287
♦Email : noramary@tradechem.com.au

Technical Bulletin

TECHNICAL DATA

ARCOSOLV® DPNB

Dipropylene Glycol Normal Butyl Ether
CAS No. 29911-28-2

DESCRIPTI0N

ARCOSOLV DPNB is a colorless liquid with a mild odor and low volatility. It has low water solubility, good coupling and demonstrates good solvency for coating resins. The properties of DPNB support its use in agricultural, coating, cleaning, ink, textile and adhesive products.

PRODUCT IDENTIFICATION

Chemical Name……Normal Butoxy Propoxy Propanol
……Dipropylene Glycol Normal Butyl Ether
Chemical Family……Propylene Glycol Ether
Chemical Formula……ClOH22O3

Coatings:

ARCOSOLV DPNB shows excellent coalescing performance in various resins including Acrylics, Styrene-Acrylics and Polyvinyl Acetates. It also offers superior film forming characteristics. These features, coupled with mild odor, make ARCOSOLV DPNB a preferred solvent for Interior water-based paints.

Cleaners: ARCOSOLV DPNB has a mild odor and can be used in a variety of cleaners. It is particularly suited for use in cleaner formulations which require a slow evaporation rate, such as wax strippers and floor cleaners. ARCOSOLV DPNB is an effective coupling agent for many greases and oils. It has low water solubility which is increased by the addition of low molecular weight alcohols and other propylene glycol ethers.

Further details can be obtained from Tradechem P/L - :
Phone : 02 9816 1287
Email : noramary@tradechem.com.au
Web site : www.tradechem.com.au

Technical Bulletin

TECHNICAL DATA

ARCOSOLV® PNB

(Mono) Propylene Glycol Normal Butyl Ether
CAS No. 5131-66-8

DESCRIPTION

ARCOSOLV PNB is a colorless combustible liquid with an ether-like odor. It has low water solubility and good coupling and demonstrates good solvency for coating resins. The properties of PNB support its use in agricultural, coating, cleaning, ink, textile and adhesive products. It is a good substitute for ethylene glycol ethers including EB.

PRODUCT IDENTIFICATION

Chemical Name ..... Normal Butoxy Propanol
..... Propylene Glycol Normal Butyl Ether
Chemical Family ..... Propylene Glycol Ether
Chemical Formula .....$C_7H_{16}O_2$

APPLICATIONS

Coatings:

ARCOSOLV PNB can be used as a coalescent with various resins including Acrylics, Styrene-Acrylics and Polyvinyl acetates. It has superior film forming characteristics.

Cleaners: ARCOSOLV PNB has a moderate odor, good coupling ability and good surface tension lowering in water-based cleaners. It is compatible with a wide range of cleaning components. PNB is also partially water soluble and the water solubility can be increased by adding low molecular weight alcohols or other propylene glycol ethers and adhesive products. Specific end uses may require approval by appropriate regulatory agencies.

Other Applications: The properties listed in the previous section also support the use of PNB in agriculture, cosmetics, electronics, ink, textile and adhesive products. Specific end uses may require approval by appropriate regulatory agencies.

Further details can be obtained from Tradechem P/L - :
Phone : 02 9816 1287
Web site : www.tradechem.com.au
Email : noramary@tradechem.com.au

Technical Bulletin

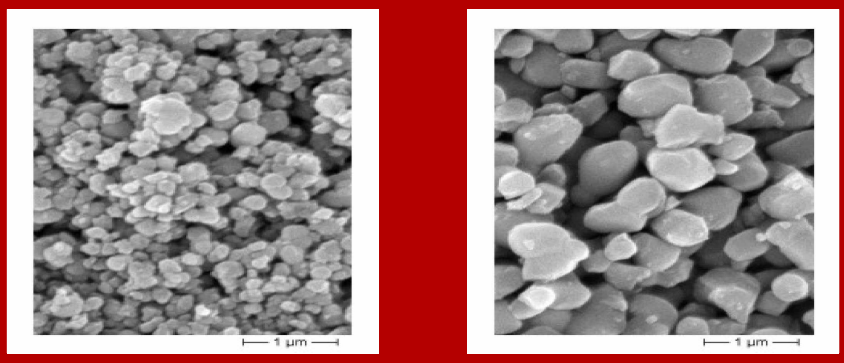
Heucodur ® *PLUS*

MICRONISED nickel titanium yellow

DESCRIPTION

HEUCODUR ® YELLOW 150 is a new micronised grade of nickel titanium yellow. It has a unique yellow-light green shade. Hiding powder and gloss are improved, even when compared to TiO2 rutil pigments. **HEUCODUR ® YELLOW 150** has a very narrow partical size distribution with average 0.3µm, where the d50 of other conventional nickel titanium yellows is between 0.6µm and 1.3µm and the abrasiveness is reduced by a factor of 4.

HEUCODUR ® YELLOW 150 **Standard nickel titanium**



SEM 1 : 10,000

APPLICATION

HEUCODUR ® YELLOW 150 pigment is recommended for -:

- General industrial coatings especially for pastel shade.
- Architectural-Decorative water based paints.

PROPERTIES

New **HEUCODUR ® YELLOW 150** micronised pigment offers improved performance, which results in properties such as -:

- Improved gloss and hiding power
- Reduced abrasiveness
- Excellent light and weather fastness

Further details can be obtained from Tradechem P/L - :
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Web site : www.tradechem.com.au
Email : noramary@tradechem.com.au

Technical Bulletin

A new piece of the puzzle

High Performance Organic Pigments

Construction of two new plants for production of high performance organic pigments has now been finalised.

Target is the expansion of the organic pigment product portfolio with high performance red, orange and yellow pigments.

As well as the introduction of Monolite® and Heuco® Red 325401 - DPP Red – we are happy to present a new Benzimadazolone pigment, HEUCO® Red 317601 out of these new production facilities.

Further DPPs, Quinacridones as well as other high performance Naphthols and Benzimidazolones are in the final stages of development and will complement the current product portfolio soon.

In addition two new PG 7 products, Vynamon® / Monolite® / Heuco® 600734 (Y/S) and Vynamon/Monolite/Heuco® 600735 (B/S) which exhibit similar coloristics to our well known HEUCO® Green grades but have noticeably improved levels of gloss, transparency and brightness were developed.

MONOLITE® Yellow 113901

The introduction of our new Isoindoline Yellow represents a further important step in completing our organic pigment portfolio for high performance applications.

Monolite® Yellow 113901, a brilliant red shade pigment with very high opacity, is especially recommended for use in coating applications requiring outstanding weather and light fastness.

Technical Bulletin

SANNIX ® SANYO JAPAN

Sanyo Chemical is a leading manufacturer of polyols, main ingredients for flexible and rigid polyurethane foam. Sanyo supply a variety of polyurethane foam raw materials with different degrees of hardness under the brand name of **SANNIX**.

Molecular w't	SANYO GRADE.
1000	SANNIX® PP1000
2000	SANNIX® PP2000
3200	SANNIX® PP3000
4100	SANNIX® PP4000
5000	SANNIX® PP5000
7000	SANNIX® FA961

UCOAT is a urethane resin emulsion to be used in aqueous paints. It is highly resistant to weather, abrasion and impact.

COATRON , a urethane resin solution developed as an ingredient for paints used on plastics, demonstrates excellent adhesion.

SANPRENE C is a resin for polyurethane coatings applied to floors such as in gymnasiums and bowling alleys. It cures when exposed to the moisture in air, forming a Transparent, lustrous, abrasion-resistant coating. For floor coating at the gym .

Further details can be obtained from Tradechem P/L - :

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Email : noramary@tradechem.com.au
Website : www.tradechem.com.au

COALESING AGENTS

Glycol ethers can be used everywhere when solvents are needed, as they are very efficient products with high solvency power. They are suitable for solvent-based formulations as well as for water-based formulations.

Solvent-based formulations: the choice of the glycol ether will be based on the solubility of the resin which is used and the evaporation rate which is needed, the latter being a function of the curing temperature.

Water-based system: the key lies in the way the solvent allows the paint particles which are emulsified in water to swell and form a continuous film along with the evaporation of water. It's really a question of interaction between the polymer emulsified in water and the solvent (here named coalescing agent). Surprisingly, the solubility of the solvent in water is not a key. In fact the coalescing agent can be either in water or in the polymer. This is demonstrated by the solubility in water of the coalescing agents which are mainly used (see below), ranking from completely soluble in water to insoluble in water.

Glycol Ether EB
completely soluble in water

Glycol Ether EB Acetate
solubility in water @ 6%

Arcosolv ® DPnB
solubility in water @ 5%

Glycol Ether DB
completely soluble in water

Arcosolv ® PnB
solubility in water @ 6%

Arcosolv ® TPnB
solubility in water @ 3%

Additional Technical literature at Tradechem P/L -:
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Email: noramary@tradechem.com.au

LYONDELL EQUISTAR

Technical Bulletin

HEUCOPHOS®

ZAM PLUS ®
and
ZCP PLUS ®

WIDE SPECTRUM ANTICORROSIVE PIGMENTS

Technical literature @ Tradechem -:
Phone : 02 9816 1287
Email: noramary@tradechem.com.au
Website: www.tradechem.com.au

Technical Bulletin

HEUCOSIL CTF®

Technical literature @ Tradechem -:
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Email: noramary@tradechem.com.au
Website: www.tradechem.com.au

ARCOSOLV®

Propylene Oxide derivatives

TRADE NAME	CHEMICAL NAME
Arcosolv® DPM	Di Propylene glycol Methyl ether
Arcosolv® DPMA	Di Propylene glycol Methyl ether acetate
Arcosolv® EB	Ethylene glycol butyl ether
Arcosolv® PM	Propylene glycol Methyl ether
	Methoxy Propanol
Arcosolv® PE	Propylene glycol Ethyl ether
	Ethoxy Propanol
Arcosolv PMP	Propylene Glycol monoMethyl Ether Acetate
Arcosolv® PnB	Propylene glycol n-butyl ether
Arcosolv® PnP	Propylene glycol n-propyl ethe
Arcosolv® PtB	Propylene glycol t-butyl ether
Arcosolv® TPM	Tri Propylene Glycol Methyl ether
Arcosolv® PMA	Propylene Glycol Methyl ether Acetate
	Methoxy Propyl Acetate
Arcosolv® TPnB	Tri Propylene Glycol n-Butyl ether
Arcosolv® DPnB	Di Propylene Glycol n-Butyl ether
Arconate® PC	Propylene Carbonate
Ethacryl®	Pigment dispersion aid
NMP	N-Methyl-2-Pyrrolidone
PG-USP	Propylene Glycol U.S.P. Grade
DPG-USP	Di Propylene Glycol U.S.P. Grade

Further details can be obtained from Tradechem P/L.....
Phone 02 9816 1287.....
Web site www.tradechem.com.au.....
Email noramary@tradechem.com.au.....

Ethylene Oxide derivatives

TRADE NAME	CHEMICAL NAME
Glycol Ether DB Acetate	Diethylene Glycol Butyl ether Acetate
Glycol Ether EB Acetate	Ethylene Glycol Butyl ether Acetate
Glycol Ether EE Acetate	Ethylene Glycol Ethyl ether Acetate

Glycol Ether DB	Diethylene Glycol Butyl ether
Glycol Ether EB	Ethylene Glycol Butyl ether
Glycol Ether EE	Ethylene Glycol Ethyl ether
Glycol Ether DE	Diethylene Glycol Ethyl ether
Glycol Ether DM	Diethylene Glycol Methyl ether
Glycol Ether EM	Ethylene Glycol Methyl ether
Glycol Ether EM	Ethylene Glycol Methyl ether [Jet fuel grade's]

DEG	Diethylene Glycol
MEG	Mono Ethylene Glycol
TEG	Tri Ethylene Glycol

Ethacryl®	Pigment dispersion aid
Tebol®99	tertiary Butyl Alcohol
TBAC®	tertiary Butyl Acetate

Further details can be obtained from Tradechem P/L.....
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Web site www.tradechem.com.au.....
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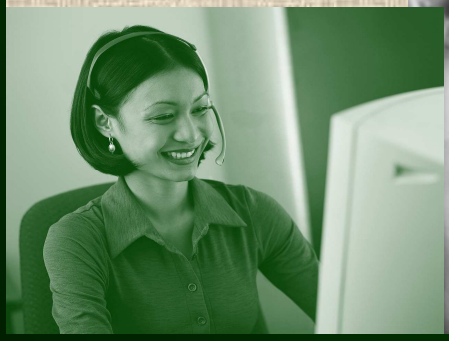
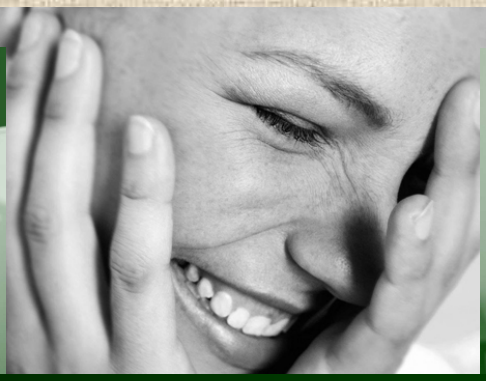




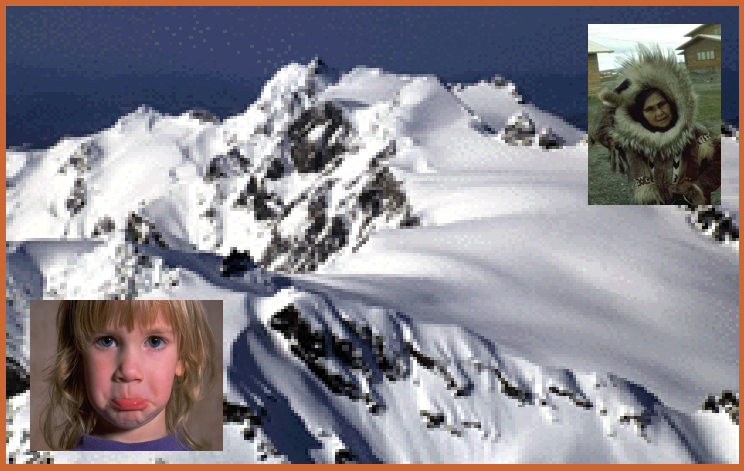
LYONDELL

Who ever you are

and where ever you are,

Low VOC matters to all of us !

tertiary - Butyl Acetate



TRADECHEM P/L

tertiary – Butyl Acetate

Our *TBAc* brand of tertiary butyl acetate is a unique non-HAP, VOC-exempt* organic solvent with versatile performance and negligible photochemical reactivity. It is designed to solve many of the compliance issues facing manufacturers and end-users of formulated products.

Benefits and Applications: A versatile oxygenated solvent offering a unique physical property profile, *TBAc* solvent can be used alone or in solvent blends in applications including coatings, inks, adhesives, industrial cleaners and degreasers. Whether incorporated during resin production or in formulation of the final product, *TBAc* sol vent provides effective performance in a wide range of technologies, resulting in significant reductions in VOC and HAP content.

The physical properties of *TBAc* solvent set it apart from other VOC-exempt solvents: broad solvency range, an intermediate evaporation rate, low density and a flash point well within accepted industry parameters. This combination of properties, in conjunction with its VOC-exempt and non-HAP status, are key to the versatility of *TBAc* solvent.

Manufacturers of formulated products in almost all markets are under increasing pressure to reduce VOCs and HAPs and to develop formulations with lower overall environmental impact. *TBAc* solvent can be used to bring current formulations into compliance with Section 183(e), Federal VOC content limits, MACT HAP content limits, state-adopted CTG limits or local emission restrictions with minimal reformulation effort and no additional capital expenditures.

The unique combination of properties of *TBAc* solvent makes it an ideal candidate for solvent substitution in many applications. Used alone or in blends, it is a potential substitute for a variety of HAP sol vents and VOCs including aromatics (toluene and xylene), ketones (MEK, MIBK), and other esters as well as ozone depletes such as methyl chloroform, CFC-113, and 1,1,1 T.

Toxicology/Regulatory: *TBAc* solvent exhibits low health hazard potential. Unlike many other solvents, it is only slightly irritating to the eyes and skin. *TBAc* solvent did not cause allergic reactions following repeated exposures. It was not toxic by inhalation or skin absorption and only slightly toxic by ingestion.

Regulatory Status: The U.S. Environmental Protection Agency (EPA) has published a rule excluding tertiary butyl acetate from the Federal definition of a VOC (40 C.F.R. § 51.100(s)(5); see also 69 FR 69304). State and local definitions may vary. *TBAc* is on the US TSCA list and the EEC EINECS, Canadian DSL, and on the Australian, Korean, Philippine, Japanese and Chinese chemical inventories. Refer to the Material Safety Data Sheet for more detailed information.

TRADE NAME	CHEMICAL NAME
Arcosolv® DPM	Di Propylene glycol Methyl ether
Arcosolv® DPMA	Di Propylene glycol Methyl ether acetate
Arcosolv® PM	Propylene glycol Methyl ether Methoxy Propanol
Arcosolv® PE	Propylene glycol Ethyl ether Ethoxy Propanol
Arcosolv PMP	Propylene Glycol Methyl Ether Propionate
Arcosolv® PnB	Propylene glycol n-butyl ether
Arcosolv® PnP	Propylene glycol n-propyl ether
Arcosolv® PtB	Propylene glycol t-butyl ether
Arcosolv® TPM	Tri Propylene Glycol Methyl ether
Arcosolv® PMA	Propylene Glycol Methyl ether Acetate Methoxy Propyl Acetate
Arcosolv® TPnB	Tri Propylene Glycol n-Butyl ether
Arcosolv® DPnB	Di Propylene Glycol n-Butyl ether
Arconate® PC	Propylene Carbonate
NMP	N-Methyl-2-Pyrrolidone
PG-USP	Propylene Glycol U.S.P. Grade

TRADE NAME	CHEMICAL NAME
Glycol Ether DB Acetate	Diethylene Glycol Butyl ether Acetate
Glycol Ether EB Acetate	Ethylene Glycol Butyl ether Acetate
Glycol Ether EE Acetate	Ethylene Glycol Ethyl ether Acetate
Glycol Ether DB	Diethylene Glycol Butyl ether
Glycol Ether EB	Ethylene Glycol Butyl ether

chemicals for agriculture & feed