



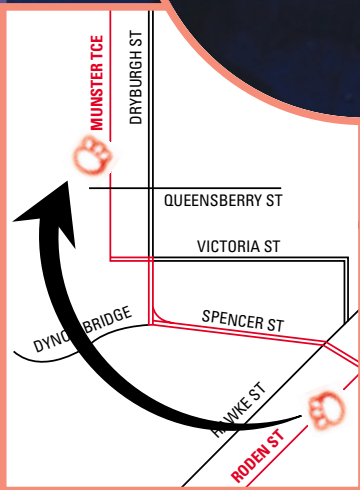
PAWprint



Tiger Chemical Company

Issue No.10 October 1999

WE'VE MOVED!



79-83 Munster Terrace
North Melbourne
Victoria 3051
Australia

Phone: 61-3-9328-3099
Fax: 61-3-9328-3813

At last we have a new address....but not too far from our old haunt of West Melbourne. Now you will find us at **79-83 Munster Terrace, North Melbourne 3051**. Our new premises comprises of a warehouse, laboratory and plenty of office space. Bruce and Alak now have a window to look out!

We will be storing our fine chemicals, pigment dispersions and other specialties on our own site so that we can keep track of them accurately and inspect labelling and packaging. An exciting development in our Industrial Chemical division is the stocking of Sodium Tripolyphosphate. You can read more about this widely used detergent builder in this issue of PAWPRINT.

I hope you will drop by for a coffee, tea or beer when you are next in the area.

Kind regards

Rex Gordon

Acrylite Emulsion Polymers Ex-Stock

The following polymers are available ex-stock:

Acrylite 04-197 Full acrylic emulsion for the manufacture of exterior gloss and semi-gloss paints.

Acrylite 04-202 PVA/Acrylic copolymer emulsions for the manufacture of interior and exterior paints.

Acrylite 04-701 Our new improved Styrene-Acrylic for textured finishes, adhesives and high scrub resistance coatings.

Acrylite 04-600 Thickener used to increase the viscosity of paints, textured finishes, creme cleansers. Alkali thickening.



Pigment Dispersions - In stock

We now have an extensive range of water based AQUASOL and solvent based DISPERSOL pigment dispersions in stock. If you are using dry pigments in paints, adhesives or other applications you should consider buying your pigment in a pre-dispersed form. This can give you the following advantages:

- No more messy powders to grind into your mix
- Cost reduction due to our dispersions being ground to give the pigment its optimum tint strength
- Universal application in water/solvent systems

DISPERSOL				AQUASOL			
Color Code	Volume	Unit Weight	Unit Volume	Color Code	Volume	Unit Weight	Unit Volume
White 001	50	1.00	50.00	White 001	50	1.00	50.00
White 002	50	1.00	50.00	White 002	50	1.00	50.00
White 003	50	1.00	50.00	White 003	50	1.00	50.00
White 004	50	1.00	50.00	White 004	50	1.00	50.00
White 005	50	1.00	50.00	White 005	50	1.00	50.00
White 006	50	1.00	50.00	White 006	50	1.00	50.00
White 007	50	1.00	50.00	White 007	50	1.00	50.00
White 008	50	1.00	50.00	White 008	50	1.00	50.00
White 009	50	1.00	50.00	White 009	50	1.00	50.00
White 010	50	1.00	50.00	White 010	50	1.00	50.00
White 011	50	1.00	50.00	White 011	50	1.00	50.00
White 012	50	1.00	50.00	White 012	50	1.00	50.00
White 013	50	1.00	50.00	White 013	50	1.00	50.00
White 014	50	1.00	50.00	White 014	50	1.00	50.00
White 015	50	1.00	50.00	White 015	50	1.00	50.00
White 016	50	1.00	50.00	White 016	50	1.00	50.00
White 017	50	1.00	50.00	White 017	50	1.00	50.00
White 018	50	1.00	50.00	White 018	50	1.00	50.00
White 019	50	1.00	50.00	White 019	50	1.00	50.00
White 020	50	1.00	50.00	White 020	50	1.00	50.00
White 021	50	1.00	50.00	White 021	50	1.00	50.00
White 022	50	1.00	50.00	White 022	50	1.00	50.00
White 023	50	1.00	50.00	White 023	50	1.00	50.00
White 024	50	1.00	50.00	White 024	50	1.00	50.00
White 025	50	1.00	50.00	White 025	50	1.00	50.00
White 026	50	1.00	50.00	White 026	50	1.00	50.00
White 027	50	1.00	50.00	White 027	50	1.00	50.00
White 028	50	1.00	50.00	White 028	50	1.00	50.00
White 029	50	1.00	50.00	White 029	50	1.00	50.00
White 030	50	1.00	50.00	White 030	50	1.00	50.00
White 031	50	1.00	50.00	White 031	50	1.00	50.00
White 032	50	1.00	50.00	White 032	50	1.00	50.00
White 033	50	1.00	50.00	White 033	50	1.00	50.00
White 034	50	1.00	50.00	White 034	50	1.00	50.00
White 035	50	1.00	50.00	White 035	50	1.00	50.00
White 036	50	1.00	50.00	White 036	50	1.00	50.00
White 037	50	1.00	50.00	White 037	50	1.00	50.00
White 038	50	1.00	50.00	White 038	50	1.00	50.00
White 039	50	1.00	50.00	White 039	50	1.00	50.00
White 040	50	1.00	50.00	White 040	50	1.00	50.00
White 041	50	1.00	50.00	White 041	50	1.00	50.00
White 042	50	1.00	50.00	White 042	50	1.00	50.00
White 043	50	1.00	50.00	White 043	50	1.00	50.00
White 044	50	1.00	50.00	White 044	50	1.00	50.00
White 045	50	1.00	50.00	White 045	50	1.00	50.00
White 046	50	1.00	50.00	White 046	50	1.00	50.00
White 047	50	1.00	50.00	White 047	50	1.00	50.00
White 048	50	1.00	50.00	White 048	50	1.00	50.00
White 049	50	1.00	50.00	White 049	50	1.00	50.00
White 050	50	1.00	50.00	White 050	50	1.00	50.00

STPP – Now in Stock!

We now stock a granular form of Sodium Tripolyphosphate in Melbourne. It is an effective builder used widely in the detergent industry, particularly in laundry products. Phosphates greatly increase the detergency of surfactants, and also stop the redeposition of soil back into the substrate you are washing.

The granular nature of our product makes it ideally suited to formulations where you need to reduce dusting such as in automatic dishwashing detergents and laundry powders.

Specifications are:

Chemical Formula	Na ₅ P ₃ O ₁₀
Purity	92 – 97% Tripoly
P₂O₅	56 – 58%
Density	0.9 – 1.15
Phase (form 1)	<10%
pH (1%aq.)	9.2 – 10.3
Fe Content	<100ppm

Alak's Pharmaceutical Corner

We are glad to inform that we are expanding our range of pharmaceutical chemicals held in stock. **The additions include :**

Cyanocobalamin
Famotidine
Hydroxocobalamin Acetate
Morantel Tartrate
Niclosamide
Oxantel Palmoate
Permethrin
Prednisolone
Sulphamethoxazole
Triclabendazole
Trimethoprim



Our strength in supplying very special chemicals (used for developing new drugs) is growing at a fantastic pace. As members of INDIS network spanning 25 countries, we have the advantage of quick, competitive and near 100% delivery of all the exotic chemicals required by our very demanding customers. Even if no manufacturer currently exists for a chemical intermediate, we study the chemistry of the molecule and approach manufacturers who produce similar chemicals or have facilities for similar reaction chemistry. We convince them to develop the required chemical and supply to our Australian and New Zealand customers.

If you have difficulty in sourcing any chemical, now you know who to phone / E-mail / fax.

Top Tip

At Tiger Chemicals, we have installed our microwave oven inside the refrigerator. That way we can use it to cool down food, as well as heat it up.

Bruce Healey Moments...

Our sales manager Bruce Healey recounts life as a travelling salesman whose territory overlaps the Twilight Zone.....

While travelling on an internal USA flight to the American Paint Show last year, Bruce was woken from a light sleep by the flight attendant offering a meal. In his drowsy state, Bruce accepted the meal. He then noticed he was the first to be served, and that the meal was unusually securely packaged. Bruce had just started enjoying the strange and barely edible meal when he noticed the commotion of angry passenger a few rows ahead. A Rabbi was screaming at the flight attendants demanding to know what had happened to the Kosher meal he had ordered prior to the flight! Bruce had scoffed most of it by this time and had to endure the angry stares of both Rabbi and airline staff for the rest of the trip. Bruce was thankful that the flight had a change of plane in Dallas and he would be rid of the angry holyman forever. But in Bruce's world where deja vu and the surreal are common everyday experiences he found himself seated next to the Rabbi for the last leg of the journey. The saga did have happy ending, they were good friends by trip end.....and Bruce finally being accepted as a long lost child of the chosen people.....

Stay tuned for more of Bruce's weird world in the next edition of Pawprint.



Top Tip

A sheet of sandpaper makes a cheap and effective substitute for costly maps when visiting the Sahara Desert

TIGERFAX PE SERIES OF SURFACTANTS – A VERSATILE RANGE

The Tigerfax PE Series of surfactants are non-ionic block copolymers of both propylene oxide and ethylene oxide. They have a chemical structure that has a hydrophobic base with hydrophilic groups at both ends. A change in the degree of polymerisation of ethylene oxide and propylene oxide results in a variation of the molecular weight and hydrophobic-hydrophilic balance.

There are four products in the Tigerfax PE range – PE61, PE62, PE64 and PE68.

The first digit indicates the molecular weight of the hydrophobic base. The second digit shows the approximate percentage of ethylene oxide in the total molecule. For example, PE61 has 10% ethylene oxide.

Features and Benefits

1. **High Molecular Weight:** They have a high molecular weight – around 2000 and above, which gives good dispersing and lubricating properties.
2. **Chemical Stability:** They remain stable when used with acids, alkalis and metallic salts.
3. **Odourless and tasteless.**
4. **Solubility:** The PE Series are soluble in water at any temperature below their cloud point. (PE61 should be dissolved in water at 10°C and under because its cloud point falls as its concentration increases). Grades with a high concentration of propylene oxide are soluble in hydrophobic solvents, while those with high concentrations of ethylene oxide are soluble in polar solvents, such as water and alcohol.
5. **Non-Corrosive to Metal.**
6. **Low Hygroscopicity.**
7. **Low Toxicity.**
8. **Low Foaming.**
9. **Surface Tension:** Aqueous solutions of PE Series have excellent surface tension reducing ability.

Applications

1. **Detergents:** Stable in acidic and alkaline conditions. Non-ionic, so can be blended with soaps and anionic or cationic surfactants. Low foaming – can be blended with high foaming surfactants to reduce foaming.
2. **Metal Cleaning:** stable over a wide range of pH.
3. **Emulsifiers for latex paints.**
4. **Plasticisers for synthetic resins.**
5. **Dyeing auxiliaries for acrylic-wool blend fibres.**
6. **Cutting Oils.**
7. **Dispersant of salts in boilers and pipes.**
8. **Emulsifiers for emulsion polymerisation.**
9. **Agriculture**

Detergent Corner

Below are some interesting starting formulations based upon Tiger Chemicals Surfactants....

1. Heavy Duty Alkaline Cleaner

Sodium Metasilicate(anh)	20.0%
Sodium Hydroxide	5.0%
EDTA Tetrasodium	2.0%
Tigerfax AOS	20.0%
Tigerfax NPE10	6.0%
Water	to 100%

2. Road Film Remover for Cars and Trucks

Sodium Metasilicate(anh)	1.0%
EDTA Tetrasodium	8.0%
Tigerfax 61R	6.0%
Tigerfax AOS	15.0%
Water.....	to 100%

3. Carpet Spot Remover

Tigerfax AOS	40.0%
EDTA Tetrasodium	0.5%
Sodium Bicarbonate.....	3.0%
Water	to 100%

Notes:

Tigerfax 61R is an Alkali stable Phosphate ester surfactant. Phosphate esters are also very good hydrotropes aiding the solubility of the other surfactants and builders in solution, as well as adding to the detergency of the product.

Tigerfax AOS is a Sodium Alpha Olefin Sulphonate. Tigerfax AOS can replace LABS Acid, SLES and SLS in formulations. It is also a good foamer and a better detergent than SLES or LABS Acid.

Tigerfax NPE10 is a 10 mole E.O Nonyl Phenol Ethoxylate.

GOOD NEWS FOR OUR PERTH CUSTOMERS!

EN-250 AND Propylene Glycol are now in stock over in the West.....Call us now for free on 1-800-35-3099 for next day delivery at the best prices in W.A!!!!

AVAILABLE EX-STOCK FOR THE SURFACE COATINGS INDUSTRY

- MEKO Anti-skinning Agent
- Coconut Oil for Alkyd resin manufacture
- Ethyl Lactate specialty solvent
- EN-250 Coalescing Agent
- Tigerfax Surfactants
- Hexylene, Propylene, Ethylene Glycols

GLYCERINE BP/USP

We now maintain stock of Kosher Glycerine which will certainly make life easier for Bruce's travelling companions..(see Bruce Healey's Moments)

For our smallgoods customers.....

With the warmer months approaching, microbes such as Listeria can proliferate in hams, bacons, salami and sausage type products. Now more than ever you should seriously consider using our food-grade Sodium Lactate in your meat products. Sodium Lactate can extend the shelf life of meat products, as well as improving the organoleptic character. Think of it as an extra insurance against early spoilage of your meat products when they leave your factory.

