



T&T INDUSTRIES CORP.

台唐工業股份有限公司

TEL: 886-2-2506-4107 · 886-3-483-1666

FAX: 886-2-2506-0618 · 886-3-483-7666

Taigal C-65

For the various fire retardant fibers, Nomex, Kavler, and etc.

Taigal C-65 is a dyeing agent for Nomex and Kavler fibers' dyeing. It can promote dyeing ability for the various fire retardant fibers, yarns, and cloths.

I, traits

- | | |
|---------------------|--|
| 1. Appearance: | Colorless ~ Light yellow transparent liquid |
| 2. pH value: | pH5~8 |
| 3. Main ingredient: | Aryl ether composition |
| 4. Ionic: | non ionic |
| 5. Solubility: | Soluble in cold and warm water |
| 6. Storage: | Storing at room temperature for at least 20 months |

II、Characteristic

1. It's an unique, low odor product developed for cationic dyeable polyamide. Such as: NOMEX.
2. It does not emit noxious odor, normally associated with the dyeing of NOMEX when using carriers which based on ace to phenome nor does it leave residual odors in the finished goods.
3. It has no known adverse toxicological or eco-toxicological properties.
4. It is low foaming and can be used in jet machines.

III、Application

The recommendations are as follows:

a. Scouring

Scourner WN-T	1.0~2.0 g/l	
Soda ash (Na ₂ CO ₃)	0.5~2.0 g/l	60~100°C x20~30 min

- b. Polyphosphoric acid 20 g/l 60°C x 60 min drop bath

(Neutralization) → Hot washing

c. Light to Medium shades:

Taigal C-65	20~25 g/l	
Sodium nitrate	12~15 g/l	
Taiacryl CD dyes	X %	
Dyeacid HP	PH 3 ~4	120°C x 60 min



T&T INDUSTRIES CORP.

台唐工業股份有限公司

TEL: 886-2-2506-4107 · 886-3-483-1666

FAX: 886-2-2506-0618 · 886-3-483-7666

d. Dark shades;

Taigal C-65	20~25 g/l
Sodium nitrate	12~15 g/l
Taiacryl CD dyes	X %
Dyeacid HP	PH 2.5 ~4 120~135°C x 60 min

e. Soaping

Scourner WN-T	1~2g/l	90~100°C	x20 min(2~3time)
---------------	--------	----------	------------------

2. Dying Procedure

1. Add Taigal C-65 to machine at 45~50°C for 60°C x60min.
2. Hot Washing 60~70°C (1~1.5°C/min).
3. Taiacryl CD dyes add by using hot water 90°C (1kg dyes ----10~20 liter water) run 10 mins till dissolved before put into dyeing machines.
4. Add sodium nitrate and run 10 mins.
5. 1.0~1.5°C/min to 120°C, and maintain 60~70mins (depends on fabrics)
6. 1.0~1.5°C/min cool down to 70°C
7. Soaping 90~100°C x20mins (depends on the colors dark or pale, 2~3 times)

This information is based on precision testing and is provided for your reference. No responsibility is assumed for all results obtained after use. This is because there are many variables in the dyeing room that are beyond our control. The company only guarantees that the quality of the products is stable