

**SAFETY DATA SHEET****WashFast Acid  
Navy 413 and 441**

ISSUE DATE: 4/3/17

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME ..... WASHFAST NAVY 413  
 CHEMICAL FAMILY ..... AZO  
 T.S.C.A. STATUS ..... COMPLIANCE  
 RECOMMENDED PRODUCT USE ....TEXTILE MANUFACTURING  
 RESTRICTED PRODUCT USE ....FOR INDUSTRIAL USE ONLY  
 SUPPLIED BY ..... PRO CHEMICAL & DYE  
 126 SHOVE STREET  
 FALL RIVER, MA 02724  
 PHONE: 508-676-3838

## Emergency Telephone Numbers:

800-255-3924 ChemTel. (United States)  
 + 1 01 813-248-0585 (Outside the United States)

**2. HAZARDS IDENTIFICATION**

GHS Classification: Health Category 2A- Eye Irritant  
 Environmental Category 3- Chronic Aquatic Toxicity



Pictogram:

Signal Word: **WARNING**

Hazard Statements: H319: Causes Serious Eye Irritation  
 H412: Harmful to Aquatic Life with Long-Lasting Effects

## Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.  
 P280: Wear protective gloves/ protective clothing/eye protection/face protection  
 P270: Do not eat, drink, or smoke when using this product.  
 P260: Do not breathe dust/fume/gas/mist/vapors/spray  
 P273: Avoid release to the environment  
 P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337 + P313 If eye irritation persists: Get medical advice/attention.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.  
 P332 + P313 If skin irritation occurs: Get medical advice/attention.  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Proprietary Azo Dye Eye Irritant - Toxic to Aquatic Organisms

The exact ingredient percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT .....NA

EXTINGUISHING MEDIA .....Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION .....Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10).

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION .....Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .....Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION .....Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER  
COLOR ..... DARK BLUE  
ODOR ..... ODORLESS  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ..... 40 g/l @ 90 C  
BULK DENSITY..... 400 - 600 kg/m<sup>3</sup>  
RELATIVE DENSITY ..... NA  
VISCOSITY ..... NA  
pH ..... 6.0-7.0  
MELTING POINT/FREEZING POINT ..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER ..... ND  
BOILING POINT ..... NA  
VAPOR PRESSURE ..... NA  
VAPOR DENSITY ..... NA  
EVAPORATION RATE ..... NA  
FLAMMABILITY ..... NA  
FLASH POINT ..... NA  
AUTO-IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE .... ND  
UEL ..... NA  
LEL ..... NA  
%VOLATILE: VALUE: NONE UNIT: % COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS ..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID ..... In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flame.  
REACTIVITY .... Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION) .....> 5000 mg/kg (RATS)  
FISH, LC50 ..... 10 - 100 mg/l (48 hr)  
EYE EFFECTS .....IRRITANT (RABBIT EYE)  
SKIN EFFECTS .....:NONE-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	NO	OSHA:	NO	ACGIH:	NO
		NTP:	NO		

HMIS: 2 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Based upon animal studies irritating to the eyes. May be irritating to the skin and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: <10%  
BACTERIA TOXICITY: IC50 > 100 mg/l (activated sludge)  
AOX: 0.00  
COD: 1285 mg/g

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

## **15. REGULATORY DATA**

### US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Prepared: March 2, 2017

MSDS Revised: March 22, 2017

# Safety Data Sheet WF425c, WF 403, WF416, WF417 AND WF421

Issue date: 1/4/2017

## 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... WASHFAST ACID NATIONAL BLUE 425C  
CHEMICAL FAMILY ..... ANTHRAQUINONE  
T.S.C.A. STATUS ..... COMPLIANCE  
PRIMARY PRODUCT USE ... TEXTILE MANUFACTURING  
SUPPLIED BY ..... PRO CHEMICAL & DYE  
126 SHOVE STREET  
FALL RIVER, MA 02724  
PHONE: 508-676-3838

### Emergency Telephone Numbers:

800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

## 2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A-Eye Irritant  
Health Category 5-Oral Toxicity



Pictogram:

Signal Word: **Warning**

Hazard Statements: H319: Causes Serious Eye Irritation  
H303: May be Harmful if Swallowed

### Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P270: Do not eat, drink, or smoke when using this product.  
P260: Do not breathe dust/fume/gas/mist/vapors/spray  
P273: Avoid release to the environment  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
P337 + P313: IF ON SKIN: Wash with plenty of soap and water for 15 minutes.  
P302 + P352: If skin irritation occurs: Get medical advice/attention.  
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

Acid Blue 25 (6408-78-2) 70 - 80 % May be harmful if swallowed. Causes eye irritation

The exact ingredient percentages and composition of non-hazardous components have been withheld as a trade secret.

### **4. FIRST AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT       Immediately flush eyes with flowing water for at least 15 minutes, holding eyelids apart to irrigate thoroughly. Get medical attention.

SKIN CONTACT       .....Wash skin thoroughly with soap and water. Get medical attention if irritation develops.

INGESTION       .....Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION        Remove to fresh air. If breathing is difficult give oxygen; if not breathing give artificial respiration. Get medical attention.

### **5. FIREFIGHTING MEASURES**

FLASH POINT       ..... Not Applicable

EXTINGUISHING MEDIA       ..... C02 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

As in any fire, wear self-contained breathing apparatus and full protective equipment.

ADDITIONAL INFORMATION       ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Wear appropriate safety equipment. Contain and clean up spill immediately. Prevent from entering floor drains. Contain liquids using absorbents. Sweep powders carefully minimizing dusting. Shovel all spill materials into disposal drums and follow disposal instructions.

### **7. HANDLING AND STORAGE**

In accord with good industrial practice, handle with care and avoid personal contact.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Wear safety glasses with side shields or safety goggles.

SKIN PROTECTION ..... Wear chemical resistant rubber gloves and long sleeved clothing.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL DATA

APPEARANCE ..... POWDER  
COLOR ..... BLUE  
ODOR ..... NONE  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ..... 30 g/l at 20 deg C  
BULK DENSITY ..... 400 - 600 kg/m<sup>3</sup>  
VISCOSITY ..... NA  
pH ..... 6.0 - 7.0 ( 10 g/l @ 20 deg C)  
MELTING POINT/FREEZING POINT ..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER ..... ND  
BOILING POINT ..... NA  
VAPOR PRESSURE ..... NA  
VAPOR DENSITY ..... NA  
EVAPORATION RATE ..... NA  
FLAMMABILITY ..... NA  
FLASHPOINT ..... NA  
IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE .... ND  
UEL ..... NA  
LEL ..... NA  
% VOLATILE: VALUE: ND UNIT: % COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

HAZARDOUS REACTIONS: None expected In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY ..... Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS ..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID ..... Avoid dusting conditions and sparks/flame.

HAZARDOUS POLYMERIZATION .... Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION) .....> 2000 mg/kg (Rat)  
FISH, LC50 .....>200 mg/l 48 hour (Poecilia reticulata p.)  
EYE EFFECTS ..... SLIGHT IRRITANT (RABBIT)  
SKIN EFFECTS .....NON-IRRITANT (RABBIT)  
SENSITIZATION .....NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO                      NTP: NO      OSHA: NO

HMIS: 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

Not Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes, skin, or respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: < 10%  
BACTERIA TOXICITY IC50: ND  
AOX CONTENT: 0.0 %

### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ..... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA (C, P) = NON-HAZARDOUS

IMDG = NON-HAZARDOUS

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

### **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MDSO Created: September 25, 2009

MSDS Revised: September 12, 2016

**SAFETY DATA SHEET  
WASHFAST ACID BRIGHT BLUE WF440**

PRINT DATE: 4/3/17

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME ..... WASHFAST ACID BRIGHT BLUE WF440  
CHEMICAL FAMILY ..... ANTHRAQUINONE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMENED PRODUCT USE... TEXTILE MANUFACTURING  
RESTRICTED PRODUCT USE.... FOR INDUSTRIAL USE ONLY  
SUPPLIED BY ..... PRO CHEMICAL & DYE  
126 SHOVE STREET  
FALL RIVER, MA 02724  
PHONE: 508-676-3838

EMERGENCY TELEPHONE NUMBERS:  
800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

**2. HAZARDS IDENTIFICATION**

NON-CATEGORIZED

2.2.1 GHS Labeling

Signal Word: NONE

Hazard Pictogram: NONE

Hazard Statement: NONE

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

NO HAZARDOUS MATERIALS ARE CONTAINED IN THIS PRODUCT

The exact ingredient percentages and composition of the components have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT .....Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT .....Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION .....Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION .....If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... Not Applicable

EXTINGUISHING MEDIA ..... CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away.

Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION ..... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10).

## **8. EXPOSURE CONTROL/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE ..... POWDER

COLOR ..... BLUE

ODOR ..... NONE

ODOR THRESHOLD ..... NA

SOLUBILITY IN WATER ..... 20 g/l @ 90 C

BULK DENSITY ..... ND

RELATIVE DENSITY ..... NA

VISCOSITY ..... NA

pH ..... 6.0 -7.0 @ 10.0 g/l in water 20C

MELTING POINT/FREEZING POINT ..... NA

PARTITION COEFFICIENT: N-OCTANOL/WATER ..... ND

BOILING POINT ..... NA

VAPOR PRESSURE ..... NA

VAPOR DENSITY ..... NA

EVAPORATION RATE ..... NA

FLAMMABILITY ..... NA

FLASH POINT ..... NA

AUTO-IGNITION TEMP ..... NA

DECOMPOSITION TEMPERATURE.... ND

UEL ..... NA

LEL ..... NA

%VOLATILE: VALUE: 0.00

UNIT: %

COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY ..... Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS ..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID ..... In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flame.

REACTIVITY.... Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD<sub>50</sub> (INGESTION) .....> 5000 mg/l (RAT)

FISH, LC<sub>50</sub> .....> 100 mg/l (48 hour, L. idus)

EYE EFFECTS .....NON-IRRITANT (RABBIT EYE)

SKIN EFFECTS .....NON-IRRITANT (RABBIT)

SENSITIZATION .....NOT EXPECTED

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: < 10%

BACTERIA TOXICITY: 300 mg/l (No inhibition- Seed Toxicity)

DAPHNIA TOXICITY EC<sub>50</sub>: > 100 mg/l (48 h, Daphnia Magna Straus)

AOX: 0.00%

COD: 1200 ml/g

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: .....If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA(C, P): NON-HAZARDOUS

IMDG: NON-HAZARDOUS

## **15. REGULATORY DATA**

### US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

OTHER REGULATIONS: Labelling is not required in accordance with the EEC directives:

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: November 3, 2009

MSDS Revised: September 6, 2016



# SAFETY DATA SHEET

## WF478, WF408, and WF419

ISSUE DATE: 4/3/17

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... TURQUOISE WF478, WF408, AND WF419  
CHEMICAL FAMILY ..... TRIPHENYLMETHANE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMMENDED PRODUCT USE... TEXTILE MANUFACTURING  
RESTRICTED PRODUCT USE ... FOR INDUSTRIAL USE ONLY  
SUPPLIED BY ..... PRO CHEMICAL & DYE  
126 SHOVE STREET  
FALL RIVER, MA 02724  
PHONE: 508-676-3838

Emergency Telephone Numbers: 800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

### 2. HAZARDS IDENTIFICATION

GHS Classification: Environmental Category 3- Chronic Aquatic Toxicity

Pictogram: NONE

Signal Word: NONE

Hazard Statements: H412: Harmful to Aquatic Life with Long-Lasting Effects

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P273: Avoid release to the environment

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

Proprietary Triphenylmethane Dye Harmful to aquatic life

The exact ingredient percentages and composition has been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIREFIGHTING MEASURES**

FLASH POINT ..... NA

EXTINGUISHING MEDIA ..... CO2, Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away.

Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION .... Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

## 7. HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10) ..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION .... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended.

Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION .....Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... BLUISH RED  
ODOR ..... NONE  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ... 30- 40 g/l @ 100 C  
BULK DENSITY .....NO  
RELATIVE DENSITY .....NA  
VISCOSITY .....NA  
pH ..... : ..... 7.0 -7.5 @ 1.0% in water 20C  
MELTING POINT/FREEZING POINT .NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER ..ND  
BOILING POINT ..... NA  
VAPOR PRESSURE .....NA  
VAPOR DENSITY ..... NA  
EVAPORATION RATE ..... NA  
FLAMMABILITY ..... NA  
FLASH POINT .....NA  
AUTO-IGNITION TEMP .....NA  
DECOMPOSITION TEMPERATURE .... NO  
UEL .....NA  
LEL .. .....NA  
%VOLATILE:           VALUE: ND                           UNIT: %           COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID ..... In the case of dusty organic products the possibility of a dust explosion should always be considered. Avoid dusting conditions and sparks/flame.  
REACTIVITY .... Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ... > 5000 mg/kg (RATS)  
FISH, LC50 ..... 10 - 100 mg/l (48 hour Rainbow Trout)  
EYE EFFECTS ..... NON-IRRITANT (RABBIT EYE)  
SKIN EFFECTS ..... NON-IRRITANT (RABBIT)  
SENSITIZATION ..... NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO

HMIS 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

. May be irritating to the eyes, skin and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: 25 – 50%  
BACTERIA TOXICITY: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: ... If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME: NON-HAZARDOUS INK  
MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

## **15. REGULATORY DATA**

### US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

OTHER REGULATIONS: Labelling is not required in accordance with the EEC directives:

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

## **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Prepared: March 22, 2017

MSDS Revised: March 22, 2017

PRINT DATE: 1/13/17

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME ..... WASHFAST 490, 401, 407, 411 AND 415  
CHEMICAL FAMILY ..... TRIARYMETHANE DYE  
T.S.C.A. STATUS ..... COMPLIANCE  
RECOMENED PRODUCT USE ..... TEXTILE MANUFACTURING  
RESTRICTED PRODUCT USE .... FOR INDUSTRIAL USE ONLY  
SUPPLIED BY ..... PRO CHEMICAL & DYE  
126 SHOVE STREET  
FALL RIVER, MA 02724  
PHONE: 508-676-3838

EMERGENCY PHONE NUMBER:  
800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

**2. HAZARDS IDENTIFICATION**

2.1.1 GHS Classification

NON-CATEGORIZED

2.2.1 GHS Labeling

Signal Word: NONE

Hazard Pictogram: NONE

Hazard Statement: NONE

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

### **3. COMPOSITION/INFORMATIONS ON INGREDIENTS**

NO HAZARDOUS MATERIALS ARE CONTAINED IN THIS PRODUCT

The exact ingredient percentages and composition of the components have been withheld as a trade secret.

### **4. FIRST-AID MEASURES**

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT .....Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT .....Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION .....Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION .....If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section 11

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### **5. FIRE FIGHTING MEASURES**

FLASH POINT .....NA

EXTINGUISHING MEDIA .....CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away.

Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION .....Avoid dusting conditions. May form explosive dust mixtures with air.

### **6. ACCIDENTAL RELEASE MEASURES**

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.



## **7. HANDLING AND STORAGE**

### PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice handle with care and avoid personal contact

### CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.  
Keep the container tightly sealed and away from any incompatible materials (see Section 10).

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE .....POWDER  
COLOR .....BLUE  
ODOR .....NONE  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER .....50 g/l at 90 deg C  
BULK DENSITY.. ..... ND  
RELATIVE DENSITY ..... NA  
VISCOSITY ..... NA  
pH .....5.5 - 6.5 (1 g/l in water)  
MELTING POINT/FREEZING POINT ..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER ..... ND  
BOILING POINT ..... NA  
VAPOR PRESSURE ..... NA  
VAPOR DENSITY .....NA  
EVAPORATION RATE .....NA  
FLAMMABILITY .....NA  
FLASH POINT .....NA  
AUTO-IGNITION TEMP..... NA  
DECOMPOSITION TEMPERATURE .... ND  
UEL ..... NA  
LEL .....NA  
VOLATILE: VALUE: 0.00 UNIT: % COMMENT:

## **10. STABILITY AND REACTIVITY**

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.  
POSSIBILITY OF HAZARDOUS REACTIONS: None expected  
CHEMICAL STABILITY ..... Stable  
INCOMPATIBLE MATERIALS: None  
HAZARDOUS DECOMPOSITION PRODUCTS ..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES  
CONDITIONS TO AVOID ..... Avoid dusting conditions and sparks/flame.  
REACTIVITY .... Will not occur

## **11. TOXICOLOGICAL INFORMATION**

ANIMAL TOXICITY ORAL - LD50 (INGESTION) .....>5000 mg/kg (RAT)  
FISH, LC50 ..... > 500 mg/l 48hr (RAINBOW TROUT)  
EYE EFFECTS ..... NON-IRRITANT (RABBIT)  
SKIN EFFECTS ..... NON- IRRITANT (RABBIT)  
SENSITIZATION ..... NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC: NO      NTP: NO      OSHA: NO

HMIS: 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## **12. ECOLOGICAL INFORMATION**

BIODEGRADABILITY: ND  
BACTERIA TOXICITY: ND

## **13. DISPOSAL CONSIDERATIONS**

PRODUCT: .....If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

## **14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL  
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED  
FRT. CLASS PACKAGE: 55

IATA: NON-REGULATED

IMDG: NON-REGULATED

## **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

## **16. OTHER INFORMATION**

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. This company makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: December 1, 2010  
MSDS Revised: August 25, 2016

ISSUE DATE: 4/3/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME ..... WASHFAST 495  
CHEMICAL FAMILY ..... ANTHRAQUINONE  
T.S.C.A. STATUS .....IN COMPLIANCE  
RECOMENED PRODUCT USE ....TEXTILE MANUFACTURING  
RESTRICTED PRODUCT USE . FOR INDUSTRIAL USE ONLY  
SUPPLIED BY ..... PRO CHEMICAL & DYE  
126 SHOVE STREET  
FALL RIVER, MA 02724

EMERGENCY NUMBERS:

800-255-3924 ChemTel. (United States)  
+ 1 01 813-248-0585 (Outside the United States)

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2B- Eye Irritant

Pictogram: NONE

Signal Word: Warning

Hazard Statements: H320 Causes Eye Irritation

Precautionary Statements:

P264: Wash face, hands, and any exposed skin thoroughly after handling.

P280: Wear protective gloves/ protective clothing/eye protection/face protection

P270: Do not eat, drink, or smoke when using this product.

P260: Do not breath dust/fume/gas/mist/vapors/spray

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

P337 + P313 IF ON SKIN: Wash with plenty of soap and water for 15 minutes.

P302 + P352 If skin irritation occurs: Get medical advice/attention.

P332 + P313 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P301 + P330 + P331 IF INHALED: Remove victim to fresh air and keep at rest in a

comfortable position for breathing.

P304 + P340

### 3. COMPOSITION/INFORMATIONS ON INGREDIENTS

Proprietary Anthraquinone Dye      Category 2B eye irritant.

The exact ingredient percentages and composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

GENERAL INFORMATION: IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

EYE CONTACT ..... Wash immediately with large amounts of water for 15 minutes, lifting the upper and lower lids until no evidence of product remain. Get medical attention immediately. Do not wear contact lenses while handling.

SKIN CONTACT ..... Remove all contaminated clothing immediately. Wash immediately with soap and plenty of water. If a temporary skin reaction occurs, it should be treated as allergic contact dermatitis. Launder contaminated clothing before reuse.

INGESTION ..... Dilute with water. Get medical attention. Never give fluids or induce vomiting if patient is unconscious or has convulsions.

INHALATION ..... If inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Call a physician.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

The most significant symptoms and effects are described in the labelling (see section 2) and/or in section II

INDICATION OF ANY SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available

### 5. FIREFIGHTING MEASURES

FLASH POINT .....Not Applicable

EXTINGUISHING MEDIA .....C02 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES UNUSUAL FIRE OR EXPLOSION HAZARDS:

Firefighters should be equipped with protective clothing & self-contained breathing apparatus to protect against potentially toxic & irritating fumes. In case of fire or explosion, keep unnecessary people away. Isolate hazard area & any entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

ADDITIONAL INFORMATION .....Avoid dusting conditions. May form explosive dust mixtures with air.

### 6. ACCIDENTAL RELEASE MEASURES

IN CASE MATERIAL IS RELEASED/SPILLED:

Avoid formation and deposition of dust. Do not empty into drains or waters. Do not touch or walk through the spilled material: stop leak if you can do it without risk. Take up with sand or other non-combustible absorbent material or suitable vacuum and place into labeled sealable containers. For further disposal measures see section 13.

### 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

In accord with good industrial practice. Handle with care and avoid personal contact

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container protected from direct sunlight in a dry, cool and in a well-ventilated area.

Keep the container tightly sealed and away from any incompatible materials (see Section 10) ..

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### APPROPRIATE ENGINEERING CONTROLS:

Handle with good industrial practices and industrial hygiene. Wash hands after use.

### GENERAL PROTECTIVE MEASURES:

Do not breathe dust. Avoid contact with eyes and skin. Immediately remove all contaminated clothing.

EYE PROTECTION ..... Employees should wear protective eye-goggles with side protection shield.

SKIN PROTECTION ..... Employees should avoid skin contact by wearing protective clothing. Long sleeve shirts, pants, gloves e.g. of PVC or nitrile rubber, and boots are recommended. Additional protections such as impervious suits are recommended when the potential for dermal contact is significant. Employees should wash their hands and face before eating and drinking and shower thoroughly before leaving work. Keep away from food and drink: stuffs.

RESPIRATORY PROTECTION ..... Inhalation of dust and aerosols must be absolutely prevented by the use of a NIOSH approved dust respirator.

VENTILATION ..... Use local ventilation.

OTHER ..... Wear overalls, apron or other protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE ..... POWDER  
COLOR ..... DARK GREEN  
ODOR ..... NONE  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ..... 35 - 40 g/l @ 100 C  
BULK DENSITY ..... NO  
RELATIVE DENSITY ..... NA  
VISCOSITY ..... NA  
pH ..... 6 - 7 @ 10 g/l at 20C  
MELTING POINT/FREEZING POINT ..... NA  
PARTITION COEFFICIENT: N-OCTANOL/WATER ..... ND  
BOILING POINT ..... NA  
V APOR PRESSURE ..... NA  
VAPOR DENSITY ..... NA  
EVAPORATION RATE ..... NA  
FLAMMABILITY ..... NA  
FLASH POINT ..... NA  
AUTO-IGNITION TEMP ..... NA  
DECOMPOSITION TEMPERATURE .... ND  
UEL ..... NA  
LEL ..... NA  
VOLATILE: VALUE: 0.00 UNIT: % COMMENT:

## 10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.

POSSIBILITY OF HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.

CHEMICAL STABILITY ..... Stable

INCOMPATIBLE MATERIALS: None

HAZARDOUS DECOMPOSITION PRODUCTS ..... CO<sub>2</sub>, CO, SULFUR OXIDES, NITROGEN OXIDES

CONDITIONS TO AVOID ..... Avoid dusting conditions and sparks/flame.

REACTIVITY .... Will not occur

## 11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ..... > 5000 mg/kg (Rat)

FISH, LC50 ..... 100 - 500 mg/l (48 hour Rainbow Trout)

EYE EFFECTS ..... SLIGHT-IRRITANT (RABBIT EYE)

SKIN EFFECTS ..... NON-IRRITANT (RABBIT)

SENSITIZATION ..... NOT EXPECTED

### PRIMARY ROUTE OF EXPOSURE

INHALATION:	YES	SKIN ABSORPTION:	NO	INGESTION:	NO
SKIN CONTACT:	YES	EYE CONTACT:	YES		

### CARCINOGEN STATUS

IARC:	NO	NTP:	NO	OSHA:	NO
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HMIS: 1 1 0 E

### CHRONIC EFFECTS OF OVEREXPOSURE

None Known

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

May be irritating to the eyes and respiratory tract.

### MEDICAL CONDITIONS AGGRAVATED

Persons with any pre-existing skin, eye or respiratory condition may be more susceptible to the effects of this product.

## 12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: 25 -50 (TOC)

BACTERIA TOXICITY IC : > 1000 mg/l (activated sludge)



### **13. DISPOSAL CONSIDERATIONS**

PRODUCT: .....If utilization or recycling of the product is not possible, it should be disposed of in accordance with existing federal, state and local environmental regulations, e.g. by incineration in a suitable plant.

UNCLEANED PACKAGING: Soiled, empty containers are to be treated in the same way as the contents.

### **14. TRANSPORT INFORMATION**

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL

D.O.T. HAZARD CLASSIFICATION: NOT REGULATED

FRT. CLASS PACKAGE: 55

IATA (C,P): NON-REGULATED

IMDG: NON-REGULATED

### **15. REGULATORY DATA**

US REGULATIONS:

TSCA: The components of this product are listed on the TSCA Inventory

SARA 313: This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

SARA 312:	Immediate (acute) health hazard	Yes
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

This product is not subject to the German Ordinance that bans certain azo dyes or the 19<sup>th</sup> Amendment of the Council Directive 76/769/EEC.

CALIFORNIA PROPOSITION 65: This product does not contain any components currently on the California List of Known Carcinogens and reproductive Toxins

### **16. OTHER INFORMATION**

The manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the specific purposes referred to in its directions for use, subject to the inherent risks referred to in the material safety data sheet for this product. The manufacturer makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. In no case shall this company be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

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