SAFETY DATA SHEET

WashFast Acid Flavine Yellow 107A

Issue date: 1/30/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. WASHFAST ACID FLAVINE YELLOW 107A
CHEMICAL FAMILY ............. AMINOKETONE
T.S.C.A. STATUS ............... COMPLIANCE
PRIMARY PRODUCT USE .......... TEXTILE MANUFACTURING
SUPPLIED BY ..................... PRO CHEMICAL & DYE
126 SHOVE STREET
FALL RIVER, MA  02724

Emergency Telephone Numbers:
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.
PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th>PRIMARY ROUTE</th>
<th>YES</th>
<th>NO</th>
<th>YES</th>
</tr>
</thead>
<tbody>
<tr>
<td>INHALATION:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN CONTACT:</td>
<td>YES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SKIN ABSORPTION:</td>
<td>NO</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EYE CONTACT:</td>
<td>YES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>INGESTION:</td>
<td>NO</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HMIS: 1 0 0 E

CARCINOGEN STATUS

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

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, eye or respiratory condition may be more susceptible to the effects of this product.

3. HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS: NO HAZARDOUS MATERIALS ARE CONTAINED IN THIS PRODUCT

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

4. EMERGENCY AND FIRST AID PROCEDURES

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.
5. FIRE AND EXPLOSION DATA

FLASH POINT ................................ NA
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. SPILL OR LEAK PROCEDURES

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. SPECIAL PRECAUTIONS AND STORAGE DATA

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

8. EMPLOYEE PROTECTION RECOMMENDATIONS

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 DATA

APPEARANCE .................. POWDER
COLOR .......................... YELLOW
ODOR .......................... NONE
ODOR THRESHOLD ........ NA
SOLUBILITY IN WATER .... 10 g/l @ 100°C
BULK DENSITY ................. NA
VISCOSITY ...................... NA
pH .................................. 6.0 @ 80 g/l 20°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
FLASH POINT .................. NA
IGNITION TEMP ............ NA
DECOMPOSITION TEMPERATURE .... ND
UEL .............................. NA
LEL .............................. NA
% VOLATILE: VALUE: ND UNIT: % COMMENT :

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDOUS REACTIONS: In the case of dusty organic products the possibility of a dust explosion should always be considered.
CHEMICAL STABILITY .................. Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS . CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID ........... Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION .... Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION) ...... >7100 mg/kg (RATS)
FISH, LC50 ................................................... > 500 mg/l 96 hours (GUPPIES)
EYE EFFECTS ............................................... NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS .......................... NON-IRRITANT (RABBIT)
SENSITIZATION .......................... NOT EXPECTED
12. ECOLOGICAL DATA

BIODEGRADABILITY: < 10%
BACTERIA TOXICITY: No Inhibition level to wastewater bacteria: >5000 mg/l
AOX: 0.000%

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. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55
IA T A (C,P): NON-HAZARDOUS
IMDS: 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

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th 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 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: September 23, 2009
MSDS Revised: August 25, 2016
SAFETY DATA SHEET
WF119, WF106 and WF124

PRINT DATE: 10/21/19

1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. WASHFAST SUN YELLOW 119, 106 and 124
SUPPLIED BY ..................... PRO Chemical & Dye
126 Shove Street
Fall River, MA 02724

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

Recommended Use of the Chemical and Restrictions on Use: For Industrial use only.

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.
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 INFORMATIONS ON INGREDIENTS

Proprietary Azo Dye Harmful to aquatic life

The exact ingredient percentages and composition of 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 .......................... NA
EXTINGUISHING MEDIA ................. CO2, Dry Chemical foam, Water fog
SPECIAL FIREFIGHTING 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/PERSOANNAL 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.

EYEB 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 .......................... YELLOW
ODOR ........................... SLIGHTLY AROMATIC
ODOR THRESHOLD ........... NA
SOLUBILITY IN WATER ...... 11 g/l @ 25 C
BULK DENSITY ................. ND
RELATIVE DENSITY .......... NA
VISCOSITY ...................... NA
pH ............................... ND
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
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS: C02, 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): > 5,000 mg/l (RAT)
FISH, LC50: ND
EYE EFFECTS: NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS: NON-IRRITANT (RABBIT)
SENSITIZATION: NOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO
OSHA: NO
NTP: 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, eye or respiratory condition may be more susceptible to the effects of this product.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: ND
BACTERIA TOXICITY: ND
AOX CONTENT: 11.6%
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:

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Delayed (chronic) health hazard</td>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Fire hazard</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td></td>
<td>No</td>
</tr>
<tr>
<td>Reactivity</td>
<td></td>
<td>No</td>
</tr>
</tbody>
</table>

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th 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: March 28, 2017
MSDS Revised: March 28, 2017
SAFETY DATA SHEET
WashFast 130 Caramel

ISSUE DATE: 11/15/16

1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. WASHFAST WashFast 130
CHEMICAL FAMILY ............. DISAZO
T.S.C.A. STATUS ................. IN COMPLIANCE
PRIMARY PRODUCT USE ....... TEXTILE MANUFACTURING
SUPPLIED BY .................... PRO CHEMICAL & DYE
126 SHOVE STREET
FALL RIVER, MA  02724

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.
P304 + P340  IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.
P302 + P352  IF ON SKIN: Wash with plenty of soap and water for 15 minutes.
P332 + P331  If skin irritation occurs: Get medical advice/attention.
P330 + P313  If eye irritation persists: Get medical advice/attention.
P301 + P330 + P313  IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
PRIMARY ROUTE OF EXPOSURE

<table>
<thead>
<tr>
<th>INHALATION:</th>
<th>YES</th>
<th>SKIN ABSORPTION:</th>
<th>NO</th>
<th>INGESTION: NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>SKIN CONTACT:</td>
<td>YES</td>
<td>EYE CONTACT:</td>
<td>YES</td>
<td></td>
</tr>
</tbody>
</table>

CARCINOGEN STATUS

| IARC: | NO | NTP: NO | OSHA: NO | ACGIH: 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.

3. HAZARDOUS INGREDIENTS

Acid Orange 33 (6507-77-3) > 50 % Toxic to Aquatic Organisms

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

4. EMERGENCY AND FIRST AID PROCEDURES

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.

5. FIRE AND EXPLOSION DATA

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. SPILL OR LEAK PROCEDURES

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. Scrub spilled area with detergent, flush with copious amount of water. For further disposal measures see section 13.

7. SPECIAL PRECAUTIONS AND STORAGE DATA

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

8. EMPLOYEE PROTECTION RECOMMENDATIONS

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 DATA

APPEARANCE ..................POWDER
COLOR ..........................ORANGE
ODOR ............................NONE
ODOR THRESHOLD .......... NA
SOLUBILITY IN WATER .......150 g/l @ 90C
BULK DENSITY ..................ND
VISCOSITY ........................NA
pH ..............................................8.7 @ 80 g/l 20 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
FLASH POINT ......................NA
IGNITION TEMP ..................NA
DECOMPOSITION TEMPERATURE .... ND
UEL .............................. NA
LEL .............................. NA
% VOLATILE: VALUE: ND UNIT: % COMMENT:
10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
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: C02, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID: Avoid dusting conditions and sparks/flame.
HAZARDOUS POLYMERIZATION: Will not occur

11. TOXICOLOGICAL DATA

ANIMAL TOXICITY ORAL - LD50 (INGESTION): > 5000 mg/l (Rat)
FISH, LC50: > 10 mg/l (96 hour Brachydanio rerio)
EYE EFFECTS: NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS: NON-IRRITANT (RABBIT)
SENSITIZATION: NOT EXPECTED

12. ECOLOGICAL DATA

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. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55
IATA (C,P): NON-HAZARDOUS MATERIAL
IMDG: NON-HAZARDOUS MATERIAL
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.

<table>
<thead>
<tr>
<th>SARA 312</th>
<th>Immediate (acute) health hazard</th>
<th>Yes</th>
<th>Delayed (chronic) health hazard</th>
<th>Yes</th>
<th>Fire hazard</th>
<th>No</th>
<th>Sudden Release of Pressure</th>
<th>No</th>
<th>Reactivity</th>
<th>No</th>
</tr>
</thead>
</table>

This product is not subject to the German Ordinance that bans certain azo dyes or the 19th 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: September 4, 2009
MSDS Revised: August 25, 2016
SAFETY DATA SHEET
WF199c, WF103, WF105, WF120, WF121, WF122, and WF123

ISSUE DATE: 4/3/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME ........... WASHFAST GOLDEN YELLOW 199C
CHEMICAL FAMILY ....... AZO
T.S.C.A. STATUS ........... IN 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 PHONE NUMBER: 800-255-3924 ChemTel. (United States)
+ 1  01  813-248-0585 (Outside the United States)

2. HAZARDS IDENTIFICATION

GHS Classification:
Health Category 5- Oral Toxicity
Health Category 2-Skin Irritant
Environmental Category: 3: Acute Chronic Toxicity to Aquatic Life

Pictogram:
Signal Word: Warning
Hazard Statements: H317: May Cause an Allergic Skin Reaction
H302: May be harmful if swallowed
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/INFORMATIONS ON INGREDIENTS

Proprietary Azo Dye  May be harmful if swallowed. Animal Sensitizer.

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 ..........................NA
EXTINGUISHING MEDIA ........C02 Dry Chemical Foam Water Fog
SPECIAL FIREFIGHTING 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.

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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 ................. YELLOW
ODOR .................... NONE
ODOR THRESHOLD ...... NA
SOLUBILITY IN WATER .. SOLUBLE
BULK DENSITY ........... 450 - 600 kg/m3
RELATIVE DENSITY ...... NA
VISCOSITY ................ NA
pH .......................... 10 (100 g/l in 20C water)
MELTING POINT/FREEZING POINT NA
PARTITION COEFFICIENT: N-OCTANOL/WATER ND
BOILING POINT .......... NA
VAPOR PRESSURE .......... NA
VAPOR DENSITY .......... NA
EVAPORATION RATE ...... NA
FLA1Vf-ILITY ............... NA
FLASH POINT .............. NA
AUTO-IGNITION TEMP ...... NA
DECOMPOSITION TEMPERATURE .... ND
UEL .................... NA
LEL .................... NA
VOLATILE: VALUE: 0.00 UNIT: % COMMENT:  

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10. STABILITY AND REACTIVITY

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
POSSIBILITY OF HAZARDOUS REACTIONS: None expected
CHEMICAL STABILITY ...................... Stable
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS C02, 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) > 2000 mg/l (Rat)
FISH, LC50 ...................................... >71 mg/l (96 h, Oncorhynchus mykiss)
EYE EFFECTS .................................... NON-IRRITANT (RABBIT EYE)
SKIN EFFECTS .................................... NON-IRRITANT (RABBIT)
SENSITIZATION ...................................... SENSITIZER (GUINEA PIG)

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

IARC: NO NTP: NO OSHA: NO

CHRONIC EFFECTS OF OVEREXPOSURE
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the eyes, skin, and respiratory tract. May have sensitizing effects based
upon laboratory animal studies.

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: > 10 mg/l (3h activated sludge)
AOX CONTENT: 0.0%
COD: 1600 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.

<table>
<thead>
<tr>
<th>SARA 312</th>
<th>Immediate (acute) health hazard</th>
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<tr>
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<td>Delayed (chronic) health hazard</td>
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<tr>
<td></td>
<td>Fire hazard</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Sudden Release of Pressure</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td>Reactivity</td>
<td>No</td>
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MSDS Created: March 28, 2017
MSDS Revised: March 28, 2017