SAFETY DATA SHEET

WF228

SECTION 1 IDENTIFICATION OF SUBSTANCE/MIXTURE
PRODUCT NAME.................. WASHFAST 228
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.

SECTION 2

HAZARDS IDENTIFICATION

Acute Toxicity 5 H303 May be harmful if swallowed
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.

Signal Word: WARNING

Hazard Statements:
H303 May be harmful if swallowed
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statements:
P261 Avoid breathing dust.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see on this label).
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards Which do not Result in Classification

In the case of dusty organic products the possibility of dust explosion should always be considered.
SECTION 3
COMPOSITION, INFORMATION ON INGREDIENTS

Component(s)          | CAS       | %       
WashFast Yellow 119   | Proprietary | Proprietary

The chemical identity of some or all components present is confidential business information (Trade Secret) and is being withheld as permitted by 29CFR1919.1200 (i)

SECTION 4
FIRST AID MEASURES

Inhalation: Remove person to fresh air immediately while getting immediate medical attention. Use a bag valve mask or similar device to perform artificial respiration (rescue breathing) if needed.

Skin: Immediately wash skin with soap and plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Seek immediate medical attention.

Ingestion: Never give anything by mouth or induce vomiting to an unconscious or convulsing person. Have victim drink plenty of water for dilution effect. Do NOT induce vomiting without medical advice. Seek immediate medical attention.

Eye: Flush eyes with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains at least 15 - 20 minutes. Get immediate medical attention.

Most Important Symptoms and Effects Both Acute and Delayed:

Indication of any Immediate Medical Attention and Special Treatment Needed:

People with chronic respiratory problems should not work with dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with dyestuff powders should cease immediately.

SECTION 5
FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, alcohol resistant foam or dry chemical.

Unsuitable Extinguishing Media: CO₂ and high volume water jet as this may scatter and spread fire.

Special Protective Equipment and Precautions for Firefighters: Firefighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool fire exposed containers. Move containers from fire area if you can do so without risk. Avoid inhalation of material or combustion by products. Stay upwind stay out of low areas.

Specific Hazards Arising from the Chemical: Like most materials in powder form, powder may be capable of creating dust explosions. Observe the usual precautionary measures required for chemicals with dust explosive properties. Decomposition can produce toxic and irritating fumes and gases of COx, NOx, and SOx.
SECTION 6

Personal Precautions
Protective Equipment and Emergency Procedures:

Environmental Precautions:
Methods and Materials for Containment and Cleaning-up:

SECTION 7

Precautions for Safe Handling:

Conditions for Safe Storage Including Incompatibilities:

SECTION 8

Exposure Limits:

Ventilation:
Eye Protection:
Respiration:
Clothing:

NOTE: Eyewash fountain and quick drench shower should be available in the immediate work area.

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:
Odor / Odor threshold:
PH:
Evaporation Rate:
Boiling Point/Range:
Melting / Freezing Point:
Vapor Pressure:
Relative Density:
SECTION 10

STABILITY AND REACTIVITY

Reactivity: Will not polymerize.
Chemical Stability: Stable under proper conditions of storage and use.
Possibility of Hazardous Reactions: In the case of dusty organic products the possibility of dust explosion should always be considered.
Hazardous Decomposition Products: May include but are not limited to oxides of carbon, nitrogen and sulfur.
Incompatible Materials: Keep away from oxidizing and reducing agents.
Conditions to Avoid: Avoid humidity, and excessive temperatures. Avoid generation and deposition of dust.

SECTION 11

TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation:Yes  Skin Absorption:No  Ingestion:No  Skin:Yes  Eye:Yes

Toxicity Data  ANIMAL TOXICITY ORAL – LD50 (INGESTION) ..> 2000 mg/kg (Rat)

Toxicity: Acute: Causes skin irritation. Causes serious eye irritation. Inhalation may result in respiratory irritation. Ingestion may cause gastric disturbances.
Acute and Chronic: Chronic: To the best of our knowledge there are no known chronic effects associated with this material.

Symptoms of Overexposure: Skin sensitization may include one or more of the following: redness, swelling, itching, rash and hives. Respiratory sensitization can range from runny nose, cough and irritated eyes to asthmatic symptoms. Individuals who have shown an allergic reaction to this product must not continue to be exposed. Physiologic effects may progress to shock, cardiovascular collapse and death.

Sensitization: Repeated exposure to high dust concentration of some dyestuffs may cause respiratory hypersensitivity.

Delayed and Immediate Effects and also Chronic Effects from Short and Long Term Exposure: Although respiratory sensitization has not been observed with this product, dyestuffs are known to have caused this in certain people. NIOSH approved respirators should be used by workers who may be exposed to dust or aerosols containing dyes.

Carcinogen Status: IARC: No  NTP: No  OSHA: No

NOTE: Persons with any pre-existing skin, eye or respiratory conditions may be more susceptible to the effects of this product.
SECTION 12

ECOLOGICAL INFORMATION

Eco-toxicity: Not available.
Persistence and
Degradability: Not available.
Soil Mobility: Not available.
Bio-Accumulative Potential: Not available.
Other Adverse Effects: Not available.

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal: Dispose of contents and container in accordance with local, regional, national, and international regulations.
Un-Cleaned Packaging: Soiled empty containers are to be treated in the same way as the contents.

SECTION 14

TRANSPORTATION INFORMATION

Marine Pollutant: No
I.M.D.G.: Not Regulated.

SECTION 15

REGULATORY INFORMATION

TSCA Inventory Status: Listed.

SECTION 16

OTHER INFORMATION

Date Prepared: January 24, 2017 GHS Formatting

While the data and information obtained herein are presented in good faith and believed to be accurate, it is provided for your guidance only and it is the user’s obligation to determine the conditions of safe use of the product. Because many factors may affect processing or application/use, we recommend that you make tests to determine the suitability of a product for your particular purpose prior to use. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose are made regarding products described or information set forth. Or that the products or information may be used without infringing the intellectual property rights of others. In no case shall the information or data provided be considered a part of our terms and conditions of sales. Further, you expressly understand and agree that the data and information furnished by this company hereunder are given gratis and this company assumes no obligation or liability for the data and information given or results obtained all such being given and accepted at your risk. END OF SAFETY DATA SHEET
SAFETY DATA SHEET
WashFast Orange Peel 232

PRINT DATE: 4/3/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. WASHFAST ORANGE PEEL 232
CHEMICAL FAMILY ............... DIAZO
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 3 - Skin Irritant
Health Category 5 - Oral Toxicity

Pictogram: NONE

Signal Word: Warning

Hazard Statements:
H316: Causes Mild Skin 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.
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 Diazoi Dye May be harmful, if swallowed. Skin irritant.

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 ...................... 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 ..........................ORANGE
ODOR ............................NONE
ODOR THRESHOLD .......... NA
SOLUBILITY IN WATER ...... 40 - 45 g/l at 90 deg C
BULK DENSITY ............... ND
RELATIVE DENSITY ........... NA
VISCOSITY ........................NA
pH .............................. 9 - 10 @ 10 g/l at 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
AUTO-IGNITION TEMP .......... NA
DECOMPOSITION TEMPERATURE .... ND
UEL ............................ NA
LEL ............................ NA
%VOL % TICE: VALUE: ND 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
INCOMPATABLE MATERIALS: None
HAZARDOUS DECOMPOSITION PRODUCTS ...... CO2, CO, SULFUR OXIDES, NITROGEN OXIDES
CONDITIONS TO AVOID ............... Avoid dusting conditions and sparks/flame.
REACTIVITY.... Will not occur
11. TOXICOLOGICAL INFORMATION

ANIMAL TOXICITY ORAL - LQ50 (INGESTION) ..........>2000 mg/kg (RAT)
FISH, LC50 .............................................................................................................> 9000 mg/l 48 HR (POECILIA RETICULATA P)
EYE EFFECTS .................................................................................................................NON IRRITANT (RABBIT EYE)
SKIN EFFECTS .................................................................................................................SLIGHT IRRITANT (RABBIT)
SENSITIZATION ..............................................................................................................NOT EXPECTED

PRIMARY ROUTE OF EXPOSURE

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

CARCINOGEN STATUS

<table>
<thead>
<tr>
<th>IARC:</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA:</td>
<td>NO</td>
</tr>
<tr>
<td>NTP:</td>
<td>NO</td>
</tr>
</tbody>
</table>

HMIS: 1 0 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: 10%
BACTERIA TOXICITY: ND
COD: 1560 mg/g
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. TRANSPORT INFORMATION

PROPER SHIPPING NAME: ON-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 Type</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Immediate (acute) health hazard</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Delayed (chronic) health hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Fire hazard</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Sudden Release of Pressure</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Reactivity</td>
<td>No</td>
<td></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.

Created: March 24, 2017
Revised: March 24, 2017
SAFETY DATA SHEET
WashFast 233, 229, 230, 231, 234, and 235

ISSUE DATE: 4/12/17

1. PRODUCT IDENTIFICATION

PRODUCT NAME ..................WASHFAST BRIGHT ORANGE 233
CHEMICAL FAMIL Y ............DIAZO
T.S.C.A. STATUS .................IN COMPLIANCE
RECOMENDED 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.
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 Diazot Dye       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 .......................... 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. Scrub spilled area with detergent, flush with copious amount of water. 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 .......................... ORANGE
ODOR .......................... NONE
ODOR THRESHOLD ........ NA
SOLUBILITY IN WATER .... 150 g/l @ 90C
BULK DENSITY .............. NO
RELATIVE DENSITY ........ NA
VISCOITY ...................... 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
VAPORDENSITY .............. ND
EVAPORATION RATE ............ NA
FLAMMABILITY .............. NA
FLASH POINT ................. NA
AUTO-IGNITION TEMP ........ NA
DECOMPOSITION TEMPERATURE .... NO
UEL ................................ NA
LEL ................................ NA
%VOLATILE: VALUE: NO 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: CO2, 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/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

PRIMARY ROUTE OF EXPOSURE

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

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 (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.

SARA 312: Immediate (acute) health hazard Yes
          Delayed (chronic) health hazard Yes
          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\textsuperscript{th} 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 21, 2017
MSDS Revised: March 21, 2017
SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME-------- WashFast Acid WF 236 and WF 255

Supplier : 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)

SECTION 2: HAZARD IDENTIFICATION

Classification:
Skin corrosion/irritation-------------------Category 2
Serious eye damage /eye irritation-------Category 2

EMERGENCY OVERVIEW

signal word
WARNING

Hazard statements : H315 – Causes skin irritation
H319 - Causes serious eye irritation

Appearance powder Physical State Powder Odor None

Precautionary statements

P310 – Immediately call a POISON CENTER or doctor/physician
P302+ P352 – IF ON SKIN: Wash with plenty of soap and water
P321- Specific treatment (see supplemental first aid instructions on this label)
P332+ P313 – If skin irritation occurs: Get medical advice/attention
P362 - Take off contaminated clothing and wash before reuse
P264 – Wash face, hands and any exposed skin thoroughly after handling
P280 – Wear protective gloves/protective clothing/eye protection/face protection
P305 +P351 +P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 +P313 – If eye irritation persists: Get medical advice/attention

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

Unknown Acute Toxicity
100 percent of the mixture consists of ingredient(s) of unknown acute toxicity
SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

CHEMICAL NAME ACID RED 151
C. A. S. # 6406-56-0

SECTION 4: FIRST AID MEASURES

First aid measures for different exposure routes.

EYES: FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES.

SKIN: WASH WITH MILD SOAP AND WATER. IF IRRITATION OCCUR GET MEDICAL ATTENTION. IF CLOTHING IS CONTAMINATED, REMOVE AND WASH BEFORE RE-USE.

INHALATION: REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.

INGESTION: RINSE MOUTH. GIVE PLENTY OF WATER TO DRINK. GET MEDICAL ATTENTION. IF UNCONSCIOUS, DO NOT GIVE ANYTHING TO DRINK. GET IMMEDIATE MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES

IN CASE OF FIRE----- KEEP UNNECESSARY PEOPLE AWAY. ISOLATE HAZARD AREA AND DENY ENTRY. STAY UPWIND, OUT OF LOW AREAS, AND VENTILATE CLOSED SPACES BEFORE ENTERING.

FIRE FIGHTING PROCEDURE-----DRY CHEMICAL, CO2, WATER SPRAY OR REGULAR FOAM. MOVE CONTAINERS FROM FIRE AREA IF YOU CAN DO IT WITHOUT RISK. APPLY COOLING WATER TO SIDES OF CONTAINERS THAT ARE EXPOSED TO FLAMES UNTIL WELL AFTER FIRE IS OUT.

FIRE FIGHTING EQUIPMENT----- USE SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST POTENTIALLY TOXIC AND IRRITATING FUMES.

SECTION 6: ACCIDENTAL SPILL OR RELEASE INSTRUCTIONS

STEPS TO BE TAKEN----- DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. STOP LEAK IF YOU CAN DO IT WITHOUT RISK. TAKE UP WITH SAND OR OTHER NON-COMBUSTIBLE ABSORBENT MATERIALS AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. SCRUB SPILL AREA WITH DETERGENT, FLUSH WITH COPIOUS AMOUNT OF WATER.

WASTE DISPOSAL METHOD----- BURY OR INCINERATE ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

CONTAINER REUSE METHOD----- CONTAINERS SHOULD NOT BE REUSED WITHOUT PROFESSIONAL CLEANING AND CONDITIONING.

SECTION 7: HANDLING AND STORAGE

NO SPECIAL PRECAUTIONS ANTICIPATED. WEAR ALL PROPER PERSONAL PROTECTION EQUIPMENT AS OUTLINED IN SECTION VIII AND AVOID PHYSICAL CONTACT WITH MATERIAL.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

RESPIRATORY----- NIOSH APPROVED DUST RESPIRATOR WHEN NEEDED.

SKIN----- ALWAYS WEAR IMPERVIOUS GLOVES AND APPROPRIATE EQUIPMENT TO PREVENT PROBABILITY OF PERSONAL CONTACT.

EYES----- WEAR SIDE-SHIELD SAFETY GLASSES.
VENTILATION—LOCAL EXHAUST SHOULD BE USED TO MAINTAIN EXPOSURE LIMITS AND TO DRAW SPRAY, AEROSOL, VAPORS OR DUSTS AWAY FROM WORKERS AND PREVENT ROUTINE INHALATION.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<table>
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<tr>
<th>Property</th>
<th>Value</th>
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<tr>
<td>Odor</td>
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<tr>
<td>Vapor Density</td>
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<tr>
<td>Appearance</td>
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<tr>
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</table>

SECTION 10: STABILITY AND REACTIVITY

STABILITY—STABLE UNDER NORMAL CONDITIONS
CONDITIONS TO AVOID—NONE KNOWN
INCOMPATIBLE MATERIALS—UNKNOWN
HAZARDOUS DECOMPOSITION PRODUCTS—BURNING WILL PRODUCE OXIDES OF CARBON, NITROGEN, AND OTHER POTENTIALLY TOXIC FUMES.
HAZARDOUS POLYMERIZATION—WILL NOT UNDERGO POLYMERIZATION.
CONDITIONS TO AVOID—NONE KNOWN

SECTION 11: TOXICOLOGICAL INFORMATION

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<td>Skin Effects (rabbit)</td>
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SECTION 12: ECLOGICAL DATA

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<tr>
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</table>

Ecotoxicity
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Toxicity to Algae
- No data available

Toxicity to Fish
- No data available

Toxicity to daphnia and other aquatic invertebrates

Persistence and Degradability
- No information available.

Bioaccumulation
- No information available.

Other Adverse Effects
- No information available.
Waste treatment

**Waste Disposal Methods** Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers. Dispose of in accordance with local regulations.

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DOT REGULATION (GROUND)—NOT REGULATED
IATA REGULATION (AIR)—NOT REGULATED
IMDG/IMO REGULATION (WATER)—NOT REGULATED

DOT HAZARD CLASS—NON-HAZARDOUS
DOT CLASSIFICATION—NON-HAZARDOUS MATERIAL
COMMODITY CLASS—INK MATERIAL

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**REGULATORY LIST REFERENCE:**

**NOTE:** WHEN NO COMPONENTS ARE SHOWN IN SPACE ABOVE THIS NOTE, NO FEDERAL OR STATE REPORTING REQUIREMENTS APPLY TO THIS PRODUCT. WHEN COMPONENTS ARE LISTED ABOVE, LIST NUMBERS SHOWN BELOW INDICATE APPLICABLE REGULATIONS.

**LIST NUMBERS**

1 ACCIDENTAL RELEASE SUBSTANCE
2 CERCLA 304 HAZARDOUS SUBSTANCE(RQ)
3 RESERVED
4 CLEAN AIR ACT-SEC.111 VOLATILE ORGANIC COMPOUNDS
5 CLEAN AIR ACT-SEC.112 HAZ. AIR POLLUTANT (HAP,HAP CODE)
6 CLEAN AIR ACT-OZONE DEPLETING CHEMICAL(ODC)
7 CLEAN WATER ACT-RQ
8 CLEAN WATER ACT-PRIORITY POLLUTANT(PP)RQ
9 MARINE POLLUTANT (MP)
10 PSM HIGHLY HAZARDOUS CHEMICAL
11 RCRA HAZARDOUS WASTE (RCRA CODE)
12 SARA 302 EXTREMELY HAZARDOUS SUBSTANCE (EHS)(RQ)
13 SARA 313 TOXIC RELEASE INVENTORY (TRI)(TR CONC, TR THRESHOLD)
14 SOCMI CHEMICAL (CAA)
15 STATE LISTS
CA-CALIFORNIA PROPOSITION 65, DE-DELAWARE, ID-IDAH0, ME-MAINE, MA-MASSACHUSETTS, MI-MICHIGAN,
MN-MINNESOTA, NJ-RTK NEW JERSEY HAZARDOUS SUBSTANCE LIST, NJ-TCPA NEW JERSEY EXTREMELY HAZARDOUS
SUBSTANCE LIST, NY-NEW YORK, PA-PENNSYLVANIA, WA-WASHINGTON, WV-WEST VIRGINIA, WI-WISCONSIN
16 SUPPLEMENTAL REGULATORY INFORMATION(SRI)

T.S.C.A.— IN COMPLIANCE
0.S.H.A. HAZARD CLASSIFICATION: NON HAZARDOUS

**SARA 311/312 HAZARD CATEGORIES:**

IMMEDIATE/ACUTE HEALTH HAZARD: NO
CHRONIC/DEAYED HAZARD: NO
FLAMMABLE: NO
REACTIVITY HAZARD: NO
OXIDIZER: NO
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals

SECTION 16: OTHER INFORMATION

LAST REVISION DATE. 01/20/2014

HMIS RATINGS: HEALTH: 1 Flammability: 1 Physical Hazard: 0 PERSONAL PROTECTION: F

DISCLAIMER:

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA BELIEVED TO BE CORRECT. HOWEVER, NO GUARANTEE OR WARRANTY OF ANY KIND, EXPRESSED OR IMPLIED, IS MADE WITH RESPECT TO THE INFORMATION CONTAINED HEREIN. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910, 1200 AND SUPSEDES ANY PREVIOUS INFORMATION. PREVIOUSLY DATED SHEETS ARE INVALID AND INAPPLICABLE.

END OF MSDS.