SAFETY DATA SHEET
SABRASET BROWN 580

ISSUE DATE: 1/14/16

SECTION I: IDENTIFICATION
TRADE NAME: SABRASET BROWN 580
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)

SECTION II: HAZARDOUS INGREDIENTS

Warning: Causes Serious Eye Irritation and Skin Irritation
This Product has been classified as a Category 2A eye irritant based upon animal test data.

Warning: May be harmful if swallowed.
This Product has been classified as Category 5 oral toxicity.

Toxic to aquatic life with long lasting effects.
This Product is a Chronic Category 2 aquatic environmental hazard.

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>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CARCINOGEN STATUS

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

HMIS: 2 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE
May be irritating to the skin, eyes, and respiratory

MEDICAL CONDITIONS AGGRAVATED
Persons with any pre-existing skin or eye conditions may be more susceptible to the effects of this product.
SECTION III: HAZARDS INGREDIENTS

Acid Brown 282  (70236-60-1)  30% Eye irritant. May be harmful if swallowed. Toxic to aquatic life.

Acid Brown 355  (84989-26-4)  30% Eye irritant. May be harmful if swallowed. Toxic to aquatic life.

SECTION IV: 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.

5. FIRE AND EXPLOSION DATA

FLASH POINT: Not Applicable
EXTINGUISHING MEDIA: C02, Dry Chemical, Foam, Water

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.

6. SPILL OR LEAK PROCEDURES

IN CASE MATERIAL IS RELEASED/SPILLED:
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: BROWN
ODOR: NONE
SOLUBILITY IN WATER: 90 g/l @ 90 deg C
BULK DENSITY: 400-600 kg/m³
VISCOSITY: NA
pH: 7.0-9.0 @ 1% in water
MELTING POINT/FREEZING POINT: N/A
PARTITION COEFFICIENT: N-OCTANOL/WATER: ND
BOILING POINT: NA
VAPOR PRESSURE: NA
VAPOR DENSITY: NA
EVAPORATION RATE: NA
FLAMMABILITY: NA
IGNITION TEMP: NA
DECOMPOSITION TEMPERATURE: ND
UEL: NA
LEL: NA
% VOLATILE: VALUE: 0.00 UNIT: % COMMENT:

10. REACTIVITY DATA

THERMAL DECOMPOSITION: No thermal decomposition when stored and handled correctly.
HAZARDS REACTIONS: None expected
CHEMICAL STABILITY: Stable
INCOMPATIBLE 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): >2000 mg/kg (RAT)
FISH, LC50: 1-10 mg/l (48 hour, Oncorhynchus mykiss)
EYE EFFECTS: IRRITANT (RABBIT EYE)
SKIN EFFECTS: MILD IRRITANT (RABBIT)
SENSITIZATION: ND

12. ECOLOGICAL DATA

BIODEGRADABILITY: < 10%
BACTERIA TOXICITY: Not determined
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

IATA (C.P): NON-REGULATED

IMDG:
PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (AZO DYE)
HAZARD CLASS: 9
PACKING GROUP: III
UN/NA-number: UN 3077
MARINE POLLUTANT: YES

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.

CHROMIUM CAS# 7440-47-3 2.00%
CHROMIUM COMPOUND 60.0%

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

CLASSIFICATION ACCORDING TO EU DIRECTIVES
HAZARD SYMBOLS: Xi Irritant N Dangerous to the environment
R36 Irritating to eyes
R51/53 Toxic to aquatic organisms. May cause long-term effects in the aquatic environment.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S39: Wear eye/face protection
S61: Avoid release to the environment

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.
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 the manufacturer be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

MSDS Created: March 7, 2011

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