

ISSUE DATE: 10/17/14

**1. PRODUCT IDENTIFICATION**

PRODUCT NAME .....VAT DYE REDDISH BROWN VD050  
CHEMICAL FAMILY .....ANTHRAQUINONE DYE  
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**

This product does not contain any categorized hazards.

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	INGESTION: NO
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HMIS: 1 0 0 E

EFFECTS OF  
OVEREXPOSURE  
None Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Causes respiratory irritation. May cause irritation of the eyes and skin.

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**

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 ..... Not Applicable

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

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 ..... Fire residues and contaminated fire fighting water must be disposed of in accordance with the local regulations.

### **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: Store in dry place, away from excessive heat, in original or similar waterproof container. Reseal container immediately after use. Avoid unnecessary contact. Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations. In filling operations take precautionary measures against static discharges.

## **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 ..... Emergency showers and eye wash stations should be available. People with chronic respiratory problems should not work with reactive dyestuff powders. If symptoms such as tightness in the chest or asthma occur while handling reactive dyestuff powders, a physician should be consulted as soon as possible. If hypersensitivity is confirmed, all contact with reactive dyestuff powders must cease immediately.

## **9. PHYSICAL DATA**

APPEARANCE ..... POWDER  
COLOR ..... BROWN  
ODOR ..... NONE  
ODOR THRESHOLD ..... NA  
SOLUBILITY IN WATER ..... DISPERSIBLE  
BULK DENSITY ..... 400 - 600 kg/m<sup>3</sup>  
VISCOSITY ..... NA  
pH ..... 9 - 11  
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: 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/flare.  
HAZARDOUS POLYMERIZATION .... Will not occur

## **11. TOXICOLOGICAL DATA**

ANIMAL TOXICITY ORAL - LD<sub>50</sub> (INGESTION) ..... > 5000 mg/kg  
FISH, LC<sub>50</sub> ..... > 500 mg/l (96 h, Rainbow Trout)  
EYE EFFECTS ..... NON-IRRITANT  
SKIN EFFECTS ..... NON-IRRITANT  
SENSITIZATION ..... NOT EXPECTED

## **12. ECOLOGICAL DATA**

BIODEGRADABILITY: 90 -100%  
BACTERIA TOXICITY IC 50 : >300 mg/l  
AOX: 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: 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	Immediate (acute) health hazard	No
312:	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

OTHER REGULATIONS: Labeling 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**

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.

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