1. PRODUCT IDENTIFICATION

PRODUCT NAME .................. BASIC DYE MALACHITE
PRODUCT CODE NUMBER... 019
CHEMICAL FAMILY .......... TRIPHENYLMETHANE DYESTUFF
T.S.C.A. STATUS ................. IN COMPLIANCE RECOMMENDED
PRODUCT USE........ SUBSTRATE DYEING
RESTRICTED PRODUCT USE.... FOR INDUSTRIAL USE ONLY

MANUFACTURED BY
Rupert, Gibbon & Spider, Inc.
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800-442-0455

EMERGENCY PHONE NUMBER
CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300
International CHEMTREC, call: 1-703-527-3887
For non-emergency assistance, call: 800-442-0455

2. HAZARDS IDENTIFICATION

GHS Classification: Health Category 2A- Eye Irritant
                   Health Category 2-Skin Irritant
                   Health Category 4-Oral Toxicity
                   Environmental Category 2- Chronic Aquatic Toxicity

Pictogram:

Signal Word: Warning

Hazard Statements: H315: Causes Skin Irritation
                   H319: Causes Serious Eye Irritation
                   H411: Toxic to Aquatic Life with Long-Lasting Effects
                   H302: 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 breath 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 Basic Green Eye and skin irritant. Harmful if swallowed. Toxic to aquatic life

The exact ingredient percentages and non-hazardous composition 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 ...........CO2 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 absorbants. 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 AND CHEMICAL PROPERTIES

APPEARANCE .................... CRYSTALLINE SOLID
COLOR .............................. GREEN
ODOR .............................. NONE
ODOR THRESHOLD ............... NA
SOLUBILITY IN WATER ....50 g/l ( 20 C )
BULK DENSITY ................... ND
RELATIVE DENSITY .......... NA
VISCOSITY ...................... NA
pH ........................................ 2.0 @ 20.0 g/l
MELTING POINT/FREEZING POINT ...... NA
PARTITION COEFFICIENT: N-OCTANOL/WATER ...... ND
BOILING POINT ................... NA
VAPOR PRESSURE .............. NA
EVAPORATION RATE ............. NA
FLAMMABILITY ................. NA
FLASH POINT ...................... NA
AUTO-IGNITION TEMP .......... NA
DECOMPOSITION TEMPERATURE .... ND
UEL ............................... NA
LEL ................................. NA
% VOLATILE: 0.00
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. 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)........ < 1000 mg/kg (RAT)
FISH, LC50 .............................................................. 0 -10 mg/l (96 hour)
EYE EFFECTS ....................................................... IRRITANT (component based)
SKIN EFFECTS ..................................................... NON-IRRITANT (component based)
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 ACGIH: NO HMIS: 2 1 0 E

CHRONIC EFFECTS OF OVEREXPOSURE

Not 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: 0.00 %
COD: 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 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

The information contained in this SDS is based on data from sources considered to be reliable but Rupert, Gibbon & Spider, Inc. does not guarantee the accuracy or completeness thereof. Rupert, Gibbon & Spider, Inc. urges each customer or recipient of this SDS to study it carefully to become aware of and understand the hazards associated with this product. The reader should consider consulting reference works or individuals who are experts in ventilation, toxicology or fire and understand the data in this SDS.

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