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MATERIAL SAFETY DATA SHEET

Blue TP040

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Issue date: 9/5/14

1. PRODUCT IDENTIFICATION

PRODUCT NAME: BLUE TP040
CHEMICAL FAMILY: ANTHRAQUINONE
T.S.C.A. STATUS: in COMPLIANCE
PRIMARY PRODUCT USE: TEXTILE MANUFACTURING

2. HAZARDS IDENTIFICATION

Warning: May be harmful if swallowed.

This product has been classified as Category 5 oral toxicity.

Harmful to aquatic life with long lasting effects. (Chronic Category 3).

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: 1 1 0 E

EFFECTS OF OVEREXPOSURE: Not Known

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Irritating to the eyes. 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

Disperse Blue 56 (31810-89-6) > 30 % EYE IRRITANT

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 remains. 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 CO2 Dry Chemical Foam Water Fog

SPECIAL FIRE FIGHTING PROCEDURES/UNUSUAL FIRE OR EXPLOSION: 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	BLUE
ODOR	NONE
ODOR THRESHOLD	ND
SOLUBILITY IN WATER	DISPERSIBLE
BULK DENSITY	500 -600 kg/m ³
VISCOSITY	ND
pH	7.0 - 90
MELTING POINT/FREEZING POINT	ND
PARTITION COEFFICIENT: N-OCTANOL/WATER	ND
BOILING POINT	ND
VAPOR PRESSURE	ND
VAPOR DENSITY	ND
EVAPORATION RATE	ND
FLAMMABILITY	NON COMBUSTABLE
FLASH POINT	>212F
IGNITION TEMP	ND
DECOMPOSITION TEMPERATURE	END
VEL	ND
LEL	ND
% VOLATILE: VALVE: 0.25	UNIT: %
COMMENT: as VOC	

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 PRODUCT:	CO ₂ , 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	> 55 mg/l (Zebra fish) 96 hour
EYE EFFECTS	NON-IRRITANT (Rabbit Eye)
SKIN EFFECTS	NON-IRRITANT (Rabbit)
SENSITIZATION	ECO: 1000mg/l (24 hour) Daphnia magna

12. ECOLOGICAL DATA

ACTIVATED SLUDGE RESPIRATION TEST: IC50 >640 mg/l (3 hour)
BACTERIA TOXICITY: EC50>100 mg/l (Sewage Sludge Organisms)
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. SHIPPING DATA

PROPER SHIPPING NAME: NON-HAZARDOUS INK MATERIAL
D.O.T. HAZARD CLASSIFICATION: NOT REGULATED
FRT. CLASS PACKAGE: 55

IATA(P,C): 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:	Immediate (acute) health hazard	No
	Delayed (chronic) health hazard	No
	Fire hazard	No
	Sudden Release of Pressure	No
	Reactivity	No

OTHER REGULATIONS: No labeling is required in accordance with EEC directives:

Product does not add to the AOX-value of the sewage; (DIN AEN 1485).

This product does not release nitrogen which can contribute to eutrophication.

This product does not contain phosphates or organophosphorous compounds.\

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.