

MATERIAL SAFETY DATA SHEET

DATE: January 1, 2014

PRODUCT NAME: DSC TRACER POWDER DYE**SUPPLIER:** DEEP SOUTH CHEMICAL, INC.
229 Millstone Rd.
Broussard, LA 70518**NAME OF CONTACT:** S.K. Baijal/Glenn Ray**Emergency Telephone Number (UK): CHEMTREC: 1-800-424-9300 or 703-527-3887****SECTION I - IDENTIFICATION OF PRODUCT**

TRADE NAME: DSC TRACER POWDER DYE

COLOR INDEX GENERIC NAME: BASIC VIOLET 10

COLOR INDEX NUMBER: 45170

CAS NUMBER: 81-88-9

CHEMICAL FAMILY: XANTHENE

FORMULA C28H31N2O3.C1

COMPONENT	CAS#	%	TLV	REFERENCE
BASIC VIOLET 10	81-88-9	92-94	NOT ESTABLISHED	1 MG/M3 (RECOMMENDED)

SECTION II - PHYSICAL & CHEMICAL PROPERTIES

BULK DENSITY (Air=1): 1.31

SOLUBILITY IN WATER: 15 G/L

STABILITY: Stable

BOILING POINT: N/D

MELTING POINT: 338 DEG F (170 C)

pH: APPROX 3.7 (0 G/L 80% ETHANOL)

EVAPORATION RATE (Ether=1): N/D

FLAMMABLE LIMITS IN AIR, % LEL: N/A

FLASH POINT (Method): N/A

% UEL: N/A

APPEARANCE AND ODOR: GREENISH/RED POWDER WITH A MILD ODOR.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: Will not occur

FIRE HAZARDS: Not considered a fire hazard. When involved in a fire, dust may be explosive if mixed with air in critical proportions and in the presence of source of ignition.

FIRE CONTROL PROCEDURES: As in any fire, prevent human exposure to fire, smoke, fumes of products of combustion. Evacuate non-essential personnel from the fire area. Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing.

Use standard fire fighting techniques to extinguish fires involving this material: use water spray, dry chemicals, foam, or carbon dioxide.

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SECTION II - PHYSICAL & CHEMICAL PROPERTIES (Continued)

HMIS RATING: HEALTH (2) FIRE (1) REACTIVITY (0)
NFPA RATING: HEALTH (2) FIRE (1) REACTIVITY (0)

SECTION III - SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices. Absorb spill with An absorbent to prevent dusting, into a waste disposal container. Wash down area with water. Observe all local, state and federal laws and regulations regarding disposal, spill, cleanup, removal or discharge.

WASTE DISPOSAL METHOD: Dispose of empty containers according to any applicable regulations under the Resource Conservation and Recovery Act.

NOTE: State and local regulations may be more stringent than RCRA.

SECTION IV - HEALTH HAZARDS

CHRONIC EFFECTS OF OVEREXPOSURE: The toxicological properties of this material have not been fully investigated. Direct contact with this material may produce severe irritation of the eyes.

Basic Violet 10 caused cancer in Laboratory feeding studies.

Liver cancer was observed in female mice fed a diet containing 0.02% basic violet 10. Also male rats fed a diet containing 0.075% basic violet 10 had an elevated incidence of thyroid. > tumors relative to control animals.

INHALATION: n/d.

EYE CONTACT: Causes irritation.

SKIN CONTACT: Causes irritation.

INGESTION: Not expected in industrial use.

Toxicological Data: Rat, oral LD50: Approx 2000mg/kg
Rabbit, skin: Not irritating
Rabbit eyes: Severely irritating
Ames test: Negative

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SECTION V - FIRST AID PROCEDURES

EYES: Flush with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention.

INHALATION: Remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing.

SKIN: Remove excess material from the skin. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Obtain medical attention. Wash clothing before reuse.

INGESTION: Never give an unconscious person anything to drink. If unconscious, treat for shock. Notify a physician or the nearest poison control center immediately. If conscious, have the person rinse his mouth with cold water. If conscious, induce vomiting by using a finger or other object such as a spoon to tickle the back of the throat. If unconscious and vomiting, turn the person on his side to avoid choking. Allow the victim to drink as much cold water as desired.

SECTION VI - SPECIAL HANDLING

VENTILATION: General ventilation, local exhaust ventilation, enclosure or confinement of the operation, and/or process isolation with remote control operation.

PROTECTIVE CLOTHING: Wear gloves and suitable long-sleeved clothing selected with regard for use condition exposure potential.

RESPIRATORY PROTECTION: Local exhaust if used under conditions which generate airborne contamination. If adequate ventilation is not available, employees should be provided with appropriate, approved, air-purifying or supplied- air respirators selected in accordance with NIOSH guidelines.

EYE PROTECTION: Eye contact should be avoided through the use of chemical safety glasses, goggles or a face shield selected with regard for use condition exposure potential.

SECTION VII - DOT SHIPPING INFORMATION

SHIPPING LABELING: DOT NON REGULATED

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SECTION VIII-S.A.R.A. TITLE II HAZARDD RATING

Sara Title III:

This product contains toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community right to know act of 1986 and 40 CFR 372.

This information must be included in all MSDS' that are copied and distributed for SARA 313.

SARA HAZARD CLASSIFICATION:

ACUTE: YES

CHRONIC: YES

FLAMMABILITY: NO

OXIDIZER: NO

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ID INCH PIPELINE	APPROXIMATE VOLUMNES	
	1000 LINEAR FEET	1 MILE (5280 LINEAR FEET)
4 Inch Line- pipe fill	653 gallons	3,448 gallons
8 Inch Line- pipe fill	2, 610 gallons	13,781 gallons
12 Inch Line- pipe fill	5,880 gallons	31,046 gallons
16 Inch Line- pipe fill	10,470 gallons	55,282 gallons
24 Inch Line- pipe fill	23,505 gallons	124,105 gallons
36 Inch Line- pipe fill	52,886 gallons	279,236 gallons

CONCENTRATIONS

AVERAGE
CONCENTRATION FOR
POWDER DYE IS 1 LB.
PER 10,000 GALLONS
AVERAGE
CONCENTRATION FOR
LIQUID DYE IS 1 LB. PER
5, 000 GALLONS

GALLONS OF WATER	BARRELS OF WATER (42 GALS/BARREL)	POWDER DYE HEAVY DYE CONC. IN POUNDS	LIQUID DYE AVERAGE DYE CONC. IN POUNDS	POWDER DYE AVERAGE DYE. CONC. IN POUNDS
10,000	238	2	2	1
50,000	1,190	10	10	5
100,000	2,360	20	20	10
200,000	4,762	40	40	20
300,000	7,143	60	60	30
400,000	9,524	80	80	40
500,000	11,905	100	100	50
1,000,000	23,810	200	200	100
2,000,000	47,619	400	400	200