

Date of Issue: 18 Jun 09

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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SUBSTANCE: DNastable® product

PRODUCT USE: For Research Use Only. Not for use in diagnostic procedures.

2. COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT: TRADE SECRET 068136
CAS NUMBER: Not assigned.
PERCENTAGE: <10%

COMPONENT: TRADE SECRET 060170
CAS NUMBER: Not assigned.
PERCENTAGE: <5%

COMPONENT: Phenol Red
CAS NUMBER: 34487-61-1
PERCENTAGE: <0.1%

3. HAZARDS IDENTIFICATION

NFPA RATINGS (SCALE 0-4): HEALTH=0* FIRE=0 REACTIVITY=0
*additional chronic hazards present.

For additional information on toxicity, please refer to Section 11.
EMERGENCY OVERVIEW:

PHYSICAL FORM: dry

MAJOR HEALTH HAZARDS: May be harmful if swallowed, inhaled or absorbed through skin.

4. FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air, consult a physician.

SKIN CONTACT: Immediately wash skin with soap and water, consult a physician.

EYE CONTACT: Flush with copious amounts of water for at least 15 minutes, ensuring eye lids are open. Consult a physician.

INGESTION: If swallowed, wash out mouth with water provided person is conscious. Drink plenty of water and contact a physician.

5. FIRE FIGHTING MEASURES

FLASH POINT: No data available.

EXTINGUISHING MEDIA: Water spray. Carbon dioxide, regular dry chemical powder, or appropriate foam.

FIRE FIGHTING: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Emits toxic fumes under fire conditions.

6. ACCIDENTAL RELEASE MEASURES

METHODS FOR CLEANING UP: Sweep up, placed in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

STORAGE: Store dry at room temperature in original packaging as provided by manufacturer.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: DNastable[®]: No occupational exposure limits established.

VENTILATION: Maintain adequate ventilation at all times. In most circumstances, natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

EYE PROTECTION: Wear chemical safety goggles.

CLOTHING: Wear protective clothing.

GLOVES: Wear protective gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: solid

APPERANCE: red

PHYSICAL FORM: solid

ODOR: odorless

BOILING POINT: No available

FREEZING POINT: No available

VAPOR PRESSURE: No available

VAPOR DENSITY: No available

SPECIFIC GRAVITY: No available

WATER SOLUBILITY: No available

pH: 8.0

VOLATILITY: Not available

ODOR THRESHOLD: Not available

EVAPORATION RATE: Not available

COEFFICIENT OF WATER/OIL DISTRUBUTION: No available

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to extreme humidity may affect product quality and performance.

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

TRADE SECRET 068136:

TOXICITY DATA: >20000 mg/kg oral-rat LD50; >14700 mg/kg mouse LD50

LOCAL EFFECTS:

Irritant: inhalation, skin, eyes. May be harmful if swallowed.

CHRONIC EXPOSURE – CARCINOGEN:

Result: This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Species: Rat

Route of Application: Subcutaneous
Dose: 2500 mg/kg
Result: Liver:Tumors. Skin and Appendages: Other: Tumors.
Tumorigenic: Carcinogenic by RTECS criteria.

Species: Rat
Route of Application: Implant
Dose: 10 g/kg
Result: Skin and Appendages: Increase in cellular immune response.
Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

Species: Rat
Route of Application: Implant
Dose: 3768 mg/kg
Result: Tumorigenic:Tumors at site or application.
Tumorigenic: Equivocal tumorigenic agent by RTECS criteria.

IARC CARCINOGEN LIST:
Rating: Group 3

TRADE SECRET 060170

TOXICITY DATA: Practically non-toxic in rats. No observed effect level during 2 years: 40.4 mg/kg daily.

LOCAL EFFECTS:

Irritant: inhalation, skin, eyes.

CHRONIC EXPOSURE – Carcinogenicity not known.

COMPONENT: Phenol Red

TOXICITY DATA: Not known.

LOCAL EFFECTS:

Irritant: inhalation, skin, eyes. May be harmful if swallowed.

CHRONIC EXPOSURE – Not known.

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

Disposal should be handled by an approved waste disposal facility.

14. TRANSPORT INFORMATION

US DEPARTMENT OF TRANSPORTATION: No classification assigned.

LAND TRANSPORT ADR: No classification assigned.

LAND TRANSPORT RID: No classification assigned.

AIR TRANSPORT IATA: No classification assigned.

AIR TRANSPORT ICAO: No classification assigned.

MARITIME TRANSPORT IMDG: No classification assigned.

15. REGULATORY INFORMATION

U.S. REGULATIONS

SARA Listed: No

TSCA Inventory: Yes

16. OTHER INFORMATION

For research use only. Not for use in diagnostic procedures.

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