

APOPTRAK Material Safety Data Sheet

This material data sheet has been prepared to the ANSI standard format

Section 1. Chemical product and company identification

common name: APOPTRAK

other names: DRAQ5NO

manufacturer: Biostatus Limited, 56 Charnwood Road, Shepshed, Leicestershire LE12 9NP United Kingdom; tel: +44 1509 558 163; fax +44 1509 651 061; email; enquiry@biostatus.com ; web: www.biostatus.com

Section 2. Composition/information on ingredients

chemical name: 1,5-bis({ [2-(di-methylamino) ethyl]amino}-4, 8-dihydroxyanthracene-9,10-dione)-N-Oxide

formulation: supplied at 1mM in aqueous solution

% content: >99%

Section 3. Hazards identification

most important hazard: CYTOTOXIC AGENT

risk phrases: R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation and in contact with skin and if swallowed

safety phrases: S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

Section 4. First aid measures

skin contact: WASH WITH SOAP & WATER; THEN FLUSH WITH WATER UNTIL CHEMICAL IS REMOVED

eye contact: EYE-FLUSH PROMPTLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES

ingestion: IF CONSCIOUS, INDUCE VOMITING AS DIRECTED BY DOCTOR, IMMEDIATELY GET MEDICAL HELP

inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST

Section 5. Fire fighting measures

NONE

Section 6. Accidental release measures

neutralizing agent: WATER PLUS DISH SOAP

methods for cleaning: WEAR PROTECTIVE EQUIPMENT. WIPE OR MOP UP AND PLACE IN A CONTAINER FOR DISPOSAL. FLUSH RESIDUE AWAY WITH WATER. NON POROUS SURFACE CONTAMINATION MAY BE REMOVED USING 70% METHANOL IN WATER

Section 7. Handling and storage

handling: LABORATORY COAT, RUBBER GLOVES AND SAFETY GOGGLES

storage: STORE AT +4°C. DO NOT FREEZE. PROTECT CONTAINER FROM PHYSICAL DAMAGE

Section 8. Exposure controls/personal protection

personal protection equipment: laboratory coat

eye protection: safety goggles

hand protection: rubber gloves

safety phrases: S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

Section 9. Physical and chemical properties

appearance: DARK BLUE SOLUTION, ODOURLESS

Section 10. Stability and reactivity

STABLE SOLUTION

Incompatible with strong oxidizing agents & strong bases

Section 11. Toxicological information

This material is CYTOTOXIC and may be CARCINOGENIC

INHALATION-MILDLY IRRITATING

INGESTION-MAY CAUSE CARDIOVASCULAR AND BIRTH DEFECTS

risk phrases: R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation and in contact with skin and if swallowed

Section 12. Ecological information

NONE

Section 13. Disposal considerations

Disposal should follow federal and local Regulatory Guidelines for CYTOTOXIC agents. Check with your Laboratory Manager if you are unsure of your local Regulatory Guidelines

Section 14. Transport information

shipping: shipped as "DANGEROUS GOODS IN EXCEPTED QUANTITIES" in all respects compliant with applicable international and national government regulations and the IATA Dangerous Goods Regulations

class number: CLASS 6

UN number: UN2810

harmonized code: 3822.00.5090

WE CERTIFY THAT THE MATERIAL IDENTIFIED ABOVE IS CHEMICALLY SYNTHESIZED

WE CERTIFY THAT THE MATERIAL DOES NOT CONTAIN ANY ANIMAL OR CELL CULTURE DERIVED PRODUCTS OR ADDITIVES SUCH AS ALBUMIN OR SERUM

Section 15. Regulatory information

label required: YES (Toxic material)

common name: APOPTRAK

signal word: WARNING!

acute health hazard: MODERATE

contact hazard: SLIGHT

fire hazard: NONE

reactivity hazard: NONE

special hazard precautions: INHALATION-MILDLY IRRITATING. INGESTION-MAY CAUSE CARDIOVASCULAR AND BIRTH DEFECTS. CYTOTOXIC. SUSPECTED MUTAGEN.

storage: STORE AT +4°C. DO NOT FREEZE. PROTECT FROM PHYSICAL DAMAGE

Section 16. Other information

APOPTRAK and other Biostatus products are high-quality reagents and are intended for research purposes only. APOPTRAK and other Biostatus products must be used by technically qualified individuals with competence in the handling of potentially hazardous materials. A Material Safety Data Sheet is provided with this product. Guidance notes are available for product applications. APOPTRAK and other Biostatus products are covered by UK, US and foreign patents pending.

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