



MATERIAL SAFETY DATA SHEET

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SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: M55404 NAME: SPECTRUMEDIX STRIDENT FORENSIC MATRIX

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#: Not assigned POLYMER, 2-10%
MF: Trade Secret
EC NUMBER (EINECS): Not assigned
EC INDEX NUMBER: Not assigned

CAS#: 77-86-1 TRIS (HYDROXYMETHYL) AMINOMETHANE,
MF: C₄H₁₁NO₃
EC NUMBER (EINECS): 201-064-4
EC INDEX NUMBER: Not classified

CAS#: 10043-35-3 BORIC ACID,
MF: H₃BO₃
EC NUMBER (EINECS): 233-139-2
EC INDEX NUMBER: Not classified

CAS#: 7732-18-5 WATER,
MF: H₂O
EC NUMBER (EINECS): 231-791-2
EC INDEX NUMBER: Not classified

SECTION 3. HAZARDS IDENTIFICATION

LABEL PRECAUTIONARY STATEMENTS:

Irritant.
Irritating to eyes, respiratory system, and skin.

ROUTES OF ENTRY: Inhalation, absorption, and ingestion.

NFPA Ratings (SCALE 0-4):

HEALTH=2*

FIRE=0

REACTIVITY=1

*additional chronic hazards present.

MAJOR HEALTH HAZARDS: The toxicological properties of this product have not been thoroughly investigated. Use appropriate precautions.

POTENTIAL HEALTH EFFECTS:

-INHALATION:

Short Term Exposure: no information is available.

Long Term Exposure: no information on significant adverse effects.

-SKIN CONTACT:

Short Term Exposure: irritation

Long Term Exposure: no information on significant adverse effects

-EYE CONTACT:

Short Term Exposure: irritation

Long Term Exposure: no information on significant adverse effects

-INGESTION:

CARCINOGEN STATUS:

-OSHA: No.

-NTP: No.

-IARC: No.

SECTION 4. FIRST-AID MEASURES

SEEK MEDICAL ASSISTANCE FOR ANY OVEREXPOSURE.

SKIN: Wash thoroughly with soap and water.

EYES: Immediately flush thoroughly with water for at least 15 minutes. Call a physician.

INGESTION: Contact local Poison Control Center or physician immediately. Never give anything by mouth to an unconscious person.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, call a physician.

SECTION 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Alcohol resistant foam, carbon dioxide, regular dry chemical or water.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Emits toxic fumes under fire conditions.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Hazardous polymerization will not occur. Solution is not flammable.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Evacuate all unnecessary personnel. Wear a respirator, chemical safety goggles, rubber boots and rubber gloves. Absorb with sand or vermiculite and place in a closed container. Wash spill site with soapy water.

SECTION 7. HANDLING AND STORAGE

Store and handle in accordance with all current regulations and standards. Keep separated from incompatible substances. See original container for storage recommendations.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE LIMIT: No occupational exposure limits established.

VENTILATION: Provide local exhaust ventilation system.

EYE PROTECTION: Wear chemical resistant safety goggles.

GLOVES: Wear appropriate chemical resistant gloves.

SAFETY SHOWER AND EYE BATH.
NIOSH/MSHA-APPROVED RESPIRATOR.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
IRRITANT.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Colorless liquid.
ODOR: No data.
BOILING POINT: No data.
WATER SOLUBILITY: Water soluble.

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: Stable at normal temperatures and pressure.
CONDITIONS TO AVOID: Avoid heat, flames, sparks and other sources of ignition.
Minimize contact with material. Avoid inhalation. Keep out of water supplies and sewers.
INCOMPATIBILITIES: Strong oxidizing agents, potassium, and acid anhydrides. HAZARDOUS
POLYMERIZATION: Will not occur.
DECOMPOSITION PRODUCTS: carbon dioxide, carbon monoxide, and oxides of boron and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Skin Contact: Causes skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: Causes eye irritation.
Inhalation: May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Toxicity reported for borates in humans: ingestion or absorption may cause nausea, vomiting, diarrhea, abdominal cramps, and erythematous lesions on the skin and mucous membranes. Other symptoms include: circulatory collapse, tachycardia, cyanosis, delirium, convulsions, and coma.

TARGET ORGAN(S) OR SYSTEM(S)

Testes.

CHRONIC EXPOSURE - TERATOGEN

Result: Laboratory experiments have shown teratogenic effects related to borates.

CHRONIC EXPOSURE - REPRODUCTIVE HAZARD

Result: Borates may cause reproductive disorders.

SECTION 12. ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all applicable regulations.

SECTION 14. TRANSPORTATION INFORMATION

U.S. DOT 49 CFR 172.101: Not Regulated.
LAND TRANSPORT: Not Regulated.
AIR TRANSPORT: Not Regulated.
MARITIME TRANSPORT: Not Regulated.

SECTION 15. REGULATORY INFORMATION

EU ADDITIONAL CLASSIFICATION

Symbol of Danger: Xi
Indication of Danger: Irritant.
R: 36/37/38
Risk Statements: Irritating to eyes, respiratory system and skin.
S: 26-36
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

US CLASSIFICATION AND LABEL TEXT

Indication of Danger: Irritant.
Risk Statements: Irritating to eyes, respiratory system and skin.
Safety Statements: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing.

UNITED STATES REGULATORY INFORMATION

SARA LISTED: No
TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION

WHMIS Classification: This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.
DSL: Yes
NDSL: No

SECTION 16. OTHER INFORMATION

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. TRANSGENOMIC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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