

FLINN SCIENTIFIC, INC.

Safety Data Sheet (SDS)

SDS #: 25.00

Revision Date: March 21, 2014

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Aitch-Tu-Ess Cartridges

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word **WARNING**

Pictograms



SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral, dermal, and inhalation (Category 5). May be harmful if swallowed, inhaled or in contact with skin (H303+H313+H333).

Hazard class: Skin corrosion or irritation (Category 2). Causes skin irritation (H315).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
A proprietary mixture of				Proprietary to Henger Corporation
Silica sand	14808-60-7	SiO ₂	60.08	
Asphalt	8052-42-4	Mixture	Mixture	
C.I. Pigment Blue 29	57455-37-5	Na ₆ Al ₆ Si ₆ O ₂₄ S ₄	994.5	
Sulfur	7704-34-9	S	32.07	

SECTION 4 — FIRST AID MEASURES

Call POISON CENTER or physician if you feel unwell (P312).

If inhaled: Call a POISON CENTER or physician if you feel unwell (P304+P312).

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Wash with plenty of water (P302+P352). **If skin irritation occurs:** Get medical advice or attention (P332+P313).

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

As H₂S gas, highly flammable. Severe fire risk.

In case of fire: Use a tri-class dry chemical fire extinguisher.

NFPA CODE
None
established

SECTION 6 — ACCIDENTAL RELEASE MEASURES

If tube is broken, treat tube contents with utmost care because of the potential to produce H₂S upon heating. Remove all ignition sources and ventilate area. Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #5. Store with sulfides, phosphides, carbides and nitrides. Store inside a dedicated flammables cabinet or if a flammables cabinet is not available store in a Flinn Saf-Stor™ can.

Only use in a hood.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). Only use in a hood.

Exposure guidelines: (as hydrogen sulfide) TLV 1 ppm Ceiling 5 ppm (ACGIH) STEL 20 ppm (OSHA)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Slightly green-looking granules. Odorless.

Use instructions: Request publication 25.00
When heated, will generate hydrogen sulfide (H₂S)
gas.

SECTION 10 — STABILITY AND REACTIVITY

Avoid heating these tubes except under controlled laboratory conditions within a functioning fume hood.

Shelf life: Indefinite, if stored properly.

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritating to eyes, skin and respiratory tract. Nausea, vomiting, diarrhea. Hydrogen sulfide is a serious irritant.

ORL-RAT LD₅₀: N.A.

IHL-RAT LC₅₀: 444 ppm (as hydrogen sulfide)

Chronic effects: N.A.

SKN-RBT LD₅₀: N.A.

Target organs: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

SECTION 12 — ECOLOGICAL INFORMATION

Data not yet available.

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding.

Flinn Suggested Disposal Method #18b is one option.

SECTION 14 — TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

N/A = Not applicable

SECTION 15 — REGULATORY INFORMATION

Not listed.

SECTION 16 — OTHER INFORMATION

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Consult your copy of the *Flinn Science Catalog/Reference Manual* for additional information about laboratory chemicals.

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