

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Cytotoxicity Control Reagent (Saponin)
Item Number: CTTX-050
Supplier: BioAssay Systems
 3191 Corporate Place
 Hayward, CA 94545, USA
 Tel: 510-782-9988; Fax: 510-782-1588
 Email: info@bioassaysys.com

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Eye irritation (Category 2A)
 Specific target organ toxicity- single exposure (Category 3)

GHS Label elements, including precautionary statements**Pictogram**

Signal word: Warning

Hazard statements

H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Precautionary statements

P261: Avoid breathing dust/ fume/ gas/ mist/ vapors/spray.
 P305 + P351 + P338: *If in eyes:* Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Saponin: CAS #: 8047-15-2; EC #: 232-462-6

SECTION 4. FIRST AID MEASURES

Eye: Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

Skin: Itching or burning of the skin. Immediately flush the skin with plenty of water while removing contaminated clothing and shoes. Get immediate medical attention. Wash contaminated clothing before reuse.

Inhalation: Remove exposed person from source of exposure to fresh air. If not breathing, clear airway and start cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

Ingestion: Get immediate medical attention. Do not induce vomiting unless directed by medical personnel.

SECTION 5. FIRE FIGHTING MEASURES

Extinguishing media: water spray, carbon dioxide, dry chemical powder or appropriate foam.

Special firefighting procedures: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual fire and explosion hazards: emits toxic fumes under fire conditions.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Keep unnecessary people away; isolate hazard area and deny entry. Small spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal. Large spills: Dike far ahead of liquid spill for later disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Follow standard laboratory safety procedures, including wearing chemical safety goggles, face shield, gloves, NIOSH approved respiratory protection and protective clothing. Wash and dry hands.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance solid
Color no data available
pH no data available

Melting point/freezing point no data available
Boiling point no data available
Flash point no data available
Ignition temperature no data available
Autoignition temperature no data available
Lower explosion limit no data available
Upper explosion limit no data available
Vapor pressure no data available
Density 1.015 - 1.02 g/mL at 20 °C (68 °F)
Water solubility no data available
Partition coefficient:
n-octanol/water no data available
Relative vapor density no data available
Odor no data available
Evaporation rate no data available

SECTION 10. STABILITY AND REACTIVITY

Thermal Decomposition: no decomposition if used according to specifications.

Dangerous Products of Decomposition: Carbon oxides.

Dangerous Reactions: none.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity: Oral LD50: no data available; Inhalation/Dermal LC50: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available.

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity: Not known or reported to be carcinogenic by any reference source including IARC, ACGIH, NTP or OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): Inhalation - May cause respiratory irritation.

SECTION 12. ECOLOGICAL INFORMATION

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

SECTION 13. DISPOSAL INFORMATION

Dispose in accordance with local, state or national regulations.

SECTION 14. TRANSPORT INFORMATION

DOT (US) - Not dangerous goods.

IMDG - Not dangerous goods.

IATA - Not dangerous goods.

SECTION 15. REGULATORY INFORMATION

OSHA Hazards: Irritant

SARA 302 Components - SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components - SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

SECTION 16. OTHER INFORMATION

The above information is believed to be accurate, but does not purport to be all inclusive and shall be used only as a guide. BioAssay Systems makes no warranty, express or implied, and assumes no responsibility as to the accuracy or suitability of such information or application to the User's intended purpose or for consequences of its use. The Users should make independent decisions regarding the completeness of information based on all sources available.