

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
 Product name : Aerospray TB Reagent A: Fluorescence Decolorizer  
 Product code : SS-061AF, SS-061AF-EU, or SS-161AF diluted with 2-propanol and water

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Acid fast staining  
 Use of the substance/mixture : Laboratory chemical

#### 1.3. Details of the supplier of the safety data sheet

ELITechGroup Inc.  
 370 West 1700 South  
 Logan, UT 84321 - USA  
 T +1 (435) 752-6011 - F +1 (435) 752-4127  
[qara\\_ebs@elitechgroup.com](mailto:qara_ebs@elitechgroup.com) - [www.elitechgroup.com](http://www.elitechgroup.com)

#### 1.4. Emergency telephone number

Emergency number : Contact your distributor or poison control center in your country.  
 InfoTrac Emergency Response: Calls within the USA, phone: 1-800-535-5053. Calls outside the USA, phone: +1 352-323-3500 (call collect)  
 Customer ID: #90104 (NOTE: this number is required when a customer calls into either phone number above).

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

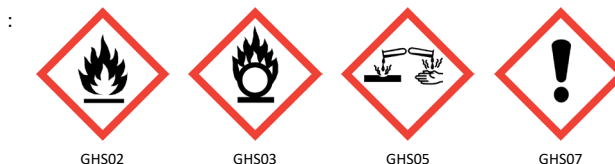
Flam. Liq. 3 H226 - Flammable liquid and vapor  
 Ox. Liq. 2 H272 - May intensify fire; oxidizer  
 Met. Corr. 1 H290 - May be corrosive to metals  
 Skin Corr. 1 H314 - Causes severe skin burns and eye damage  
 STOT SE 3 H336 - May cause drowsiness or dizziness

Full text of H statements : see section 16

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US)



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H226 - Flammable liquid and vapor  
 H272 - May intensify fire; oxidizer  
 H290 - May be corrosive to metals  
 H314 - Causes severe skin burns and eye damage  
 H336 - May cause drowsiness or dizziness

Precautionary statements (GHS US)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P233 - Keep container tightly closed.  
 P234 - Keep only in original container.  
 P260 - Do not breathe mist, spray, vapors.  
 P264 - Wash hands, forearms and face thoroughly after handling  
 P271 - Use only outdoors or in a well-ventilated area.  
 P280 - Wear protective gloves, protective clothing, eye protection, face protection.  
 P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER, a doctor.  
P312 - Call a doctor, a POISON CENTER if you feel unwell.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P370+P378 - In case of fire: Use ABC-powder, alcohol resistant foam, BC-powder, carbon dioxide (CO<sub>2</sub>), dry extinguishing powder to extinguish.  
P390 - Absorb spillage to prevent material-damage.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

Not applicable

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name       | Product identifier | %       | GHS US classification                                       |
|------------|--------------------|---------|---|
| 2-propanol | (CAS-No.) 67-63-0  | 50 – 75 | Flam. Liq. 2, H225<br>Eye Irrit. 2, H319<br>STOT SE 3, H336 |

Full text of H-phrases: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.  
First-aid measures after skin contact : Wash skin with plenty of water.  
First-aid measures after eye contact : Rinse eyes with water as a precaution.  
First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.  
Symptoms/effects after ingestion : AFTER INGESTION OF HIGH QUANTITIES: Nausea. Headache. Vomiting. Disturbances of consciousness. Central nervous system depression. Abdominal pain. Disturbed motor response. Low arterial pressure. Dilation of the blood vessels. Body temperature fall. Slowing respiration.  
Chronic symptoms : Skin rash/inflammation. Dry skin. Red skin. Cracking of the skin. Itching. Impaired memory.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : ABC powder. Alcohol-resistant foam. BC powder. Carbon dioxide. Dry powder. Foam. Sand. Water spray.

### 5.2. Special hazards arising from the substance or mixture

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 6.1.1. For non-emergency personnel

- Protective equipment : Evacuate unnecessary personnel.  
Emergency procedures : Ventilate spillage area.

### 6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. May be corrosive to metals. Hazardous waste due to potential risk of explosion.  
Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Comply with applicable regulations.  
Storage conditions : Store in a well-ventilated place. Keep cool. Keep container closed when not in use.  
Incompatible products : Strong bases. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| 2-propanol (67-63-0) |                                     |                           |
|----------------------|-------------------------------------|---------------------------|
| ACGIH                | ACGIH TWA (ppm)                     | 200 ppm                   |
| ACGIH                | ACGIH STEL (ppm)                    | 400 ppm                   |
| ACGIH                | Remark (ACGIH)                      | Eye & URT irr; CNS impair |
| OSHA                 | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 980 mg/m <sup>3</sup>     |
| OSHA                 | OSHA PEL (TWA) (ppm)                | 400 ppm                   |

### 8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.  
Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves. Suitable gloves should be tested to EN 374. The glove material has to be impermeable and resistant to the product/the substance/the preparation. As the product is a preparation of several substances, the resistance and penetration time/breakthrough time of the glove material cannot be calculated/observed in advance and, therefore, has to be checked prior to the application. The following are recommended: materials - natural latex or nitrile; thickness - 4 to 6 mils (0.1 mm - 0.15 mm); minimum breakthrough time - 60 minutes.
- Eye protection : Safety glasses.  
Skin and body protection : Wear suitable protective clothing.  
Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.  
Environmental exposure controls : Avoid release to the environment.  
Other information : Do not eat, drink or smoke during use.

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

|   |                                 |
|---|---------------------------------|
| Physical state                                  | : Liquid                        |
| Color   | : Colorless                     |
| Odor  | : Characteristic                |
| Odor threshold                                  | : No data available             |
| pH  | : 1.4 (1.2 – 1.6)               |
| Melting point                                   | : No data available             |
| Freezing point                                  | : No data available             |
| Boiling point                                   | : No data available             |
| Flash point                                     | : 28.9 °C                       |
| Relative evaporation rate (butyl acetate=1)     | : No data available             |
| Flammability (solid, gas)                       | : No data available             |
| Explosion limits                                | : No data available             |
| Explosive properties                            | : No data available             |
| Oxidizing properties                            | : May intensify fire; oxidizer. |
| Vapor pressure                                  | : No data available             |
| Relative density                                | : No data available             |
| Relative vapor density at 20 °C                 | : No data available             |
| Solubility                                      | : No data available             |
| Partition coefficient n-octanol/water (Log Pow) | : No data available             |
| Auto-ignition temperature                       | : No data available             |
| Decomposition temperature                       | : No data available             |
| Viscosity                                       | : No data available             |
| Viscosity, kinematic                            | : No data available             |
| Viscosity, dynamic                              | : No data available             |

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

Not established.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

#### 10.5. Incompatible materials

Strong acids. Strong bases.

#### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

| <b>2-propanol (67-63-0)</b> |   |
|-----------------------------|---|
| LD50 oral rat               | 5840 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Experimental value, Oral, 14 day(s))                              |
| LD50 dermal rabbit          | 12882 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Converted value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat (ppm) | > 10000 ppm (Equivalent or similar to OECD 403, 6 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))     |
| ATE US (oral)               | 5840 mg/kg body weight  |
| ATE US (dermal)             | 12882 mg/kg body weight   |

|                                   |  |
|-----------------------------------|--|
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 1.4 (1.2 – 1.6)                                   |
| Serious eye damage/irritation     | : Assumed to cause serious eye damage<br>pH: 1.4 (1.2 – 1.6)                         |
| Respiratory or skin sensitization | : Not classified   |
| Germ cell mutagenicity            | : Not classified<br>Based on available data, the classification criteria are not met |
| Carcinogenicity                   | : Not classified   |

| <b>2-propanol (67-63-0)</b> |                      |
|-----------------------------|----------------------|
| IARC group                  | 3 - Not classifiable |

|                                  |   |
|----------------------------------|---|
| Reproductive toxicity            | : Not classified<br>Based on available data, the classification criteria are not met  |
| STOT-single exposure             | : May cause drowsiness or dizziness.  |
| STOT-repeated exposure           | : Not classified  |
| Aspiration hazard                | : Not classified  |
| Symptoms/effects after ingestion | : AFTER INGESTION OF HIGH QUANTITIES: Nausea. Headache. Vomiting. Disturbances of consciousness. Central nervous system depression. Abdominal pain. Disturbed motor response. Low arterial pressure. Dilation of the blood vessels. Body temperature fall. Slowing respiration. |
| Chronic symptoms                 | : Skin rash/inflammation. Dry skin. Red skin. Cracking of the skin. Itching. Impaired memory.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

|                   |  |
|-------------------|--|
| Ecology - general | : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. |
|-------------------|--|

| <b>2-propanol (67-63-0)</b> |  |
|-----------------------------|--|
| LC50 fish 1                 | 9640 – 10000 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |
| EC50 Daphnia 1              | 10000 mg/l (48 h; Daphnia magna)   |
| LC50 fish 2                 | 9640 mg/l Test organisms (species): Pimephales promelas  |

### 12.2. Persistence and degradability

| <b>2-propanol (67-63-0)</b>     |  |
|---------------------------------|--|
| Persistence and degradability   | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1.19 g O <sub>2</sub> /g substance   |
| Chemical oxygen demand (COD)    | 2.23 g O <sub>2</sub> /g substance   |
| ThOD                            | 2.4 g O <sub>2</sub> /g substance  |

### 12.3. Bioaccumulative potential

| <b>2-propanol (67-63-0)</b>                     |  |
|---|--|
| Partition coefficient n-octanol/water (Log Pow) | 0.05 (Weight of evidence approach, 25 °C)        |
| Bioaccumulative potential                       | Low potential for bioaccumulation (Log Kow < 4). |

### 12.4. Mobility in soil

| <b>2-propanol (67-63-0)</b> |  |
|-----------------------------|--|
| Surface tension             | No data available (test not performed) |

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

|                             |                        |
|-----------------------------|------------------------|
| <b>2-propanol (67-63-0)</b> |                        |
| Ecology - soil              | Highly mobile in soil. |

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.  
Ecology - waste materials : Avoid release to the environment.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1993 Flammable liquids, n.o.s. (Isopropanol), 3, II  
UN-No.(DOT) : UN1993  
Proper Shipping Name (DOT) : Flammable liquids, n.o.s.  
Isopropanol  
Class (DOT) : 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120  
Hazard labels (DOT) : 3 - Flammable liquid



Packing group (DOT) : II - Medium Danger  
DOT Packaging Non Bulk (49 CFR 173.xxx) : 202  
DOT Packaging Bulk (49 CFR 173.xxx) : 242  
DOT Special Provisions (49 CFR 172.102) : IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1).  
Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.  
T7 - 4 178.274(d)(2) Normal..... 178.275(d)(3)  
TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following:  
Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.  
TP8 - A portable tank having a minimum test pressure of 1.5 bar (150 kPa) may be used when the flash point of the hazardous material transported is greater than 0 C (32 F).  
TP28 - A portable tank having a minimum test pressure of 2.65 bar (265 kPa) may be used provided the calculated test pressure is 2.65 bar or less based on the MAWP of the hazardous material, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.  
DOT Packaging Exceptions (49 CFR 173.xxx) : 150  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L  
DOT Vessel Stowage Location : B - (i) The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) "On deck only" on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.  
Emergency Response Guide (ERG) Number : 128  
Other information : No supplementary information available.

### Transportation of Dangerous Goods

No additional information available

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Transport by sea

UN-No. (IMDG) : 1993  
Proper Shipping Name (IMDG) : FLAMMABLE LIQUID, N.O.S.  
Class (IMDG) : 3 - Flammable liquids  
Packing group (IMDG) : II - substances presenting medium danger  
EmS-No. (1) : F-E  
EmS-No. (2) : S-D

### Air transport

UN-No. (IATA) : 1993  
Proper Shipping Name (IATA) : Flammable liquid, n.o.s.  
Class (IATA) : 3 - Flammable Liquids  
Packing group (IATA) : II - Medium Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

| 2-propanol (67-63-0)   |     |
|--|-----|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory<br>Subject to reporting requirements of United States SARA Section 313 |     |
| SARA Section 313 - Emission Reporting  | 1 % |

### 15.2. International regulations

#### CANADA

| 2-propanol (67-63-0)                                  |
|---|
| Listed on the Canadian DSL (Domestic Substances List) |

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

| 2-propanol (67-63-0)  |
|---|
| U.S. - Massachusetts - Right To Know List<br>U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List |

## SECTION 16: Other information

Other information : None.

Full text of H-phrases:

|      |   |
|------|---|
| H225 | Highly flammable liquid and vapor       |
| H226 | Flammable liquid and vapor              |
| H272 | May intensify fire; oxidizer            |
| H290 | May be corrosive to metals              |
| H314 | Causes severe skin burns and eye damage |
| H319 | Causes serious eye irritation           |
| H336 | May cause drowsiness or dizziness       |

# Aerospray TB Reagent A: Fluorescence Decolorizer

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

Reason For Change: updated to latest GHS format to meet compliance.