

## 1. Identification

**Product identifier** Secureline Lab Marking Ink - Green

**Other means of identification**

**SDS number** 015

**Recommended use** Lab Marking Ink

**Recommended restrictions** None known.

### Manufacturer/Importer/Supplier/Distributor information

**Company name** Aspen Surgical Products, Inc  
**Address** 6945 Southbelt Dr. SE  
**Telephone** 616-698-7100  
**E-mail** customerservice@aspensurgical.com

**Emergency phone number** 3E Hotline  
 1-855-350-3591

## 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 3

**Health hazards**

|                                                   |                                                              |
|---------------------------------------------------|--------------------------------------------------------------|
| Acute toxicity, dermal                            | Category 4                                                   |
| Acute toxicity, inhalation                        | Category 4                                                   |
| Skin corrosion/irritation                         | Category 2                                                   |
| Serious eye damage/eye irritation                 | Category 2                                                   |
| Reproductive toxicity                             | Category 2                                                   |
| Specific target organ toxicity, single exposure   | Category 3 respiratory tract irritation                      |
| Specific target organ toxicity, repeated exposure | Category 2 (central nervous system, hearing, kidneys, liver) |
| Aspiration hazard                                 | Category 1                                                   |

**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 2

**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger

**Hazard statement** Flammable liquid and vapor. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation. May cause damage to organs (central nervous system, hearing, kidneys, liver) through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Toxic to aquatic life.

### Precautionary statement

**Prevention** Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe mist or vapor. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Response</b>                                  | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. Take off contaminated clothing and wash before reuse. In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide for extinction. |
| <b>Storage</b>                                   | Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Disposal</b>                                  | Dispose of contents/container in accordance with local/regional/national/international regulations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Hazard(s) not otherwise classified (HNOC)</b> | None known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

### 3. Composition/information on ingredients

#### Mixtures

| Chemical name        | CAS number   | %     |
|----------------------|--------------|-------|
| TRADE SECRET SOLVENT | TRADE SECRET | 52-72 |
| TRADE SECRET SOLVENT | TRADE SECRET | 11-16 |
| TRADE SECRET SOLVENT | -            | 5-10  |
| TRADE SECRET SOLVENT | TRADE SECRET | <1    |

#### Impurities

| Chemical name        | CAS number   | %    |
|----------------------|--------------|------|
| TRADE SECRET SOLVENT | TRADE SECRET | <0.1 |

|                             |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Composition comments</b> | All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.<br>The manufacturer has claimed one or more hazardous ingredients as trade secret under the OSHA Hazard Communication Standard. The hazards of this (these) ingredient(s) are given on this SDS. |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 4. First-aid measures

|                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Skin contact</b>                                                           | Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Eye contact</b>                                                            | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Ingestion</b>                                                              | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Abdominal pain. Decrease in motor functions. Behavioral changes. Narcosis. Dizziness. Nausea, vomiting. Aspiration may cause pulmonary edema and pneumonitis. Jaundice. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Harmful if inhaled. Harmful in contact with skin. May cause damage to organs (central nervous system, hearing, kidneys, liver) through prolonged or repeated exposure. Prolonged exposure may cause chronic effects. |
| <b>Indication of immediate medical attention and special treatment needed</b> | Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.                                                                                                                                                                                                                                                     |
| <b>General information</b>                                                    | Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.                                                                                                                                                                                |

### 5. Fire-fighting measures

|                                     |                                                             |
|-------------------------------------|-------------------------------------------------------------|
| <b>Suitable extinguishing media</b> | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2). |
|-------------------------------------|-------------------------------------------------------------|

|                                                                      |                                                                                                                                                                                    |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                                                                                                             |
| <b>Specific hazards arising from the chemical</b>                    | Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed. |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.                                                                                      |
| <b>Fire fighting equipment/instructions</b>                          | In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.                                                               |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.                                                                                         |
| <b>General fire hazards</b>                                          | Flammable liquid and vapor.                                                                                                                                                        |

## 6. Accidental release measures

|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Methods and materials for containment and cleaning up</b>               | Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material.<br><br>Large Spills: Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.<br><br>Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. |
| <b>Environmental precautions</b>                                           | Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## 7. Handling and storage

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Precautions for safe handling</b>                                | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components                              | Type | Value     |
|-----------------------------------------|------|-----------|
| TRADE SECRET SOLVENT (CAS TRADE SECRET) | PEL  | 435 mg/m3 |
|                                         |      | 435 mg/m3 |

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

| Components | Type | Value   |
|------------|------|---------|
|            |      | 100 ppm |
|            |      | 100 ppm |

**US. OSHA Table Z-2 (29 CFR 1910.1000)**

| Components                                    | Type    | Value   |
|-----------------------------------------------|---------|---------|
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | Ceiling | 300 ppm |
|                                               | TWA     | 200 ppm |
| Impurities                                    | Type    | Value   |
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | Ceiling | 200 ppm |
|                                               | TWA     | 100 ppm |

**US. ACGIH Threshold Limit Values**

| Components                                    | Type | Value                       |
|-----------------------------------------------|------|-----------------------------|
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | STEL | 150 ppm                     |
|                                               | TWA  | 20 ppm<br>20 ppm<br>100 ppm |
| Impurities                                    | Type | Value                       |
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | STEL | 40 ppm                      |
|                                               | TWA  | 20 ppm                      |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components                                    | Type | Value                                                                                                                           |
|-----------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------|
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | STEL | 655 mg/m3                                                                                                                       |
|                                               |      | 560 mg/m3<br>545 mg/m3<br>150 ppm<br>150 ppm<br>125 ppm<br>435 mg/m3<br>435 mg/m3<br>375 mg/m3<br>100 ppm<br>100 ppm<br>100 ppm |
|                                               | TWA  |                                                                                                                                 |
| Impurities                                    | Type | Value                                                                                                                           |
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | STEL | 425 mg/m3                                                                                                                       |
|                                               | TWA  | 100 ppm<br>215 mg/m3<br>50 ppm                                                                                                  |

## Biological limit values

### ACGIH Biological Exposure Indices

| Components                                    | Value     | Determinant                                               | Specimen               | Sampling Time |
|-----------------------------------------------|-----------|-----------------------------------------------------------|------------------------|---------------|
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | 1.5 g/g   | Methylhippuric<br>acids                                   | Creatinine<br>in urine | *             |
|                                               | 0.15 g/g  | Sum of<br>mandelic acid<br>and<br>phenylglyoxylic<br>acid | Creatinine<br>in urine | *             |
|                                               | 0.3 mg/g  | o-Cresol, with<br>hydrolysis                              | Creatinine<br>in urine | *             |
|                                               | 0.03 mg/l | Toluene                                                   | Urine                  | *             |
|                                               | 0.02 mg/l | Toluene                                                   | Blood                  | *             |
| Impurities                                    | Value     | Determinant                                               | Specimen               | Sampling Time |
| TRADE SECRET<br>SOLVENT (CAS TRADE<br>SECRET) | 400 mg/g  | Mandelic acid<br>plus<br>phenylglyoxylic<br>acid          | Creatinine<br>in urine | *             |
|                                               | 0.2 mg/l  | Styrene                                                   | Venous<br>blood        | *             |

\* - For sampling details, please see the source document.

## Exposure guidelines

### US - California OELs: Skin designation

TRADE SECRET SOLVENT (CAS TRADE SECRET)

Can be absorbed through the skin.  
Can be absorbed through the skin.

### US - Minnesota Haz Subs: Skin designation applies

TRADE SECRET SOLVENT (CAS TRADE SECRET)

Skin designation applies.  
Skin designation applies.

## Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide easy access to water supply and eye wash facilities.

## Individual protection measures, such as personal protective equipment

### Eye/face protection

Chemical goggles are recommended. Wear face shield if there is risk of splashes.

### Skin protection

#### Hand protection

Wear appropriate chemical resistant gloves.

#### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

### Respiratory protection

Respiratory protections should be worn when there is a potential to exceed the exposure limit requirements or guidelines. Chemical respirator with organic vapor cartridge and full facepiece.

### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Green.

#### Odor

Xylene.

#### Odor threshold

Not available.

#### pH

Not available.

#### Melting point/freezing point

Not available.

|                                                     |                              |
|-----------------------------------------------------|------------------------------|
| <b>Initial boiling point and boiling range</b>      | > 230 °F (> 110 °C)          |
| <b>Flash point</b>                                  | 80.6 °F (27.0 °C) Closed Cup |
| <b>Evaporation rate</b>                             | Not available.               |
| <b>Flammability (solid, gas)</b>                    | Not applicable.              |
| <b>Upper/lower flammability or explosive limits</b> |                              |
| <b>Flammability limit - lower (%)</b>               | Not available.               |
| <b>Flammability limit - upper (%)</b>               | Not available.               |
| <b>Explosive limit - lower (%)</b>                  | Not available.               |
| <b>Explosive limit - upper (%)</b>                  | Not available.               |
| <b>Vapor pressure</b>                               | Not available.               |
| <b>Vapor density</b>                                | Not available.               |
| <b>Relative density</b>                             | 0.89 - 0.9 (H20=1)           |
| <b>Solubility(ies)</b>                              |                              |
| <b>Solubility (water)</b>                           | Not available.               |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.               |
| <b>Auto-ignition temperature</b>                    | Not available.               |
| <b>Decomposition temperature</b>                    | Not available.               |
| <b>Viscosity</b>                                    | Not available.               |

## 10. Stability and reactivity

|                                           |                                                                                                                                                |
|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport.                                                  |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.                                                                                                    |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                                                                    |
| <b>Conditions to avoid</b>                | Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatible materials</b>             | Strong acids. Strong oxidizing agents. Halogens.                                                                                               |
| <b>Hazardous decomposition products</b>   | Thermal decomposition of this product can generate carbon monoxide and carbon dioxide.                                                         |

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                                                                                        |
|---------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation.                   |
| <b>Skin contact</b> | Harmful in contact with skin. Causes skin irritation.                                                                  |
| <b>Eye contact</b>  | Causes serious eye irritation.                                                                                         |
| <b>Ingestion</b>    | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | Abdominal pain. Behavioral changes. Decrease in motor functions. Narcosis. Dizziness. Nausea, vomiting. Jaundice. Aspiration may cause pulmonary edema and pneumonitis. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause respiratory irritation. Skin irritation. May cause redness and pain. Harmful in contact with skin. Harmful if inhaled. May cause damage to organs (central nervous system, hearing, kidneys, liver) through prolonged or repeated exposure. Prolonged exposure may cause chronic effects. |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Information on toxicological effects

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| <b>Acute toxicity</b> | Harmful if inhaled. Harmful in contact with skin. |
|-----------------------|---------------------------------------------------|

| Components                                                            | Species                                                                                                                                                                                  | Test Results                                        |
|-----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| TRADE SECRET SOLVENT (CAS TRADE SECRET)                               |                                                                                                                                                                                          |                                                     |
| <b>Acute</b>                                                          |                                                                                                                                                                                          |                                                     |
| <i>Dermal</i>                                                         |                                                                                                                                                                                          |                                                     |
| LD50                                                                  | Rabbit                                                                                                                                                                                   | 12126 mg/kg, 24 Hours<br>> 5000 mg/kg<br>14.1 ml/kg |
| <i>Inhalation</i>                                                     |                                                                                                                                                                                          |                                                     |
| LC50                                                                  | Rat                                                                                                                                                                                      | 49000 mg/m³, 4 Hours<br>6350 ppm, 4 Hours           |
| <i>Oral</i>                                                           |                                                                                                                                                                                          |                                                     |
| LD50                                                                  | Rat                                                                                                                                                                                      | 3523 mg/kg<br>636 mg/kg<br>5.46 g/kg                |
| <b>Skin corrosion/irritation</b>                                      | Causes skin irritation.                                                                                                                                                                  |                                                     |
| <b>Serious eye damage/eye irritation</b>                              | Causes serious eye irritation.                                                                                                                                                           |                                                     |
| <b>Respiratory or skin sensitization</b>                              |                                                                                                                                                                                          |                                                     |
| <b>Respiratory sensitization</b>                                      | Not a respiratory sensitizer.                                                                                                                                                            |                                                     |
| <b>Skin sensitization</b>                                             | This product is not expected to cause skin sensitization.                                                                                                                                |                                                     |
| <b>Germ cell mutagenicity</b>                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                                                                         |                                                     |
| <b>Carcinogenicity</b>                                                | Risk of cancer cannot be excluded with prolonged exposure.                                                                                                                               |                                                     |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |                                                                                                                                                                                          |                                                     |
| TRADE SECRET SOLVENT (CAS TRADE SECRET)                               | 2B Possibly carcinogenic to humans.<br>2B Possibly carcinogenic to humans.<br>3 Not classifiable as to carcinogenicity to humans.<br>3 Not classifiable as to carcinogenicity to humans. |                                                     |
| <b>NTP Report on Carcinogens</b>                                      |                                                                                                                                                                                          |                                                     |
| TRADE SECRET SOLVENT (CAS TRADE SECRET)                               | Reasonably Anticipated to be a Human Carcinogen.                                                                                                                                         |                                                     |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b> |                                                                                                                                                                                          |                                                     |
| Not listed.                                                           |                                                                                                                                                                                          |                                                     |
| <b>Reproductive toxicity</b>                                          | Suspected of damaging fertility or the unborn child. Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.                 |                                                     |
| <b>Specific target organ toxicity - single exposure</b>               | May cause respiratory irritation.                                                                                                                                                        |                                                     |
| <b>Specific target organ toxicity - repeated exposure</b>             | May cause damage to organs (central nervous system, hearing, kidneys, liver) through prolonged or repeated exposure.                                                                     |                                                     |
| <b>Aspiration hazard</b>                                              | May be fatal if swallowed and enters airways.                                                                                                                                            |                                                     |
| <b>Chronic effects</b>                                                | May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.                                    |                                                     |

## 12. Ecological information

| Ecotoxicity                   | Toxic to aquatic life.                                     |                                                     |                            |
|-------------------------------|------------------------------------------------------------|-----------------------------------------------------|----------------------------|
| Components                    |                                                            | Species                                             | Test Results               |
| TRADE SECRET SOLVENT          |                                                            |                                                     |                            |
| Aquatic                       |                                                            |                                                     |                            |
| Crustacea                     | EC50                                                       | Water flea (Daphnia magna)                          | 5.46 - 9.83 mg/l, 48 hours |
|                               |                                                            |                                                     | 1 - 4 mg/l, 48 hours       |
| Fish                          | LC50                                                       | Pink salmon (Oncorhynchus gorbuscha)                | 6.86 - 8.48 mg/l, 96 hours |
|                               |                                                            | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4 mg/l, 96 hours           |
| Persistence and degradability | No data is available on the degradability of this product. |                                                     |                            |

## Bioaccumulative potential

### Partition coefficient n-octanol / water (log Kow)

TRADE SECRET SOLVENT

2.73

3.15

3.2

### Mobility in soil

No data available.

### Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

### Disposal instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

### Local disposal regulations

Dispose in accordance with all applicable regulations.

### Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

### Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

### Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### DOT

UN number UN1307

UN proper shipping name Xylenes

Transport hazard class(es)

Class 3

Subsidiary risk -

Label(s) 3

Packing group III

Environmental hazards

Marine pollutant No

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

Special provisions B1, IB3, T2, TP1

Packaging exceptions 150

Packaging non bulk 203

Packaging bulk 242

### IATA

UN number UN1307

UN proper shipping name Xylenes

Transport hazard class(es)

Class 3

Subsidiary risk -

Label(s) 3

Packing group III

Environmental hazards No

ERG Code 3L

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

### IMDG

UN number UN1307

UN proper shipping name XYLENES

Transport hazard class(es)

Class 3

Subsidiary risk -

Label(s) 3

Packing group III



**Environmental hazards****Marine pollutant** No**EmS** F-E, S-D**Special precautions for user** Read safety instructions, SDS and emergency procedures before handling.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.**15. Regulatory information****US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
One or more components are not listed on TSCA.**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4)**TRADE SECRET SOLVENT (CAS TRADE SECRET) LISTED  
LISTED  
LISTED  
LISTED**Superfund Amendments and Reauthorization Act of 1986 (SARA)****Hazard categories** Immediate Hazard - Yes  
Delayed Hazard - Yes  
Fire Hazard - Yes  
Pressure Hazard - No  
Reactivity Hazard - No**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes**SARA 313 (TRI reporting)**

| Chemical name        | CAS number   | % by wt. |
|----------------------|--------------|----------|
| TRADE SECRET SOLVENT | TRADE SECRET | 52-72    |
| TRADE SECRET SOLVENT | TRADE SECRET | 11-16    |
| TRADE SECRET SOLVENT | TRADE SECRET | <1       |
| TRADE SECRET SOLVENT | TRADE SECRET | <0.1     |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

TRADE SECRET SOLVENT (CAS TRADE SECRET)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Not regulated.**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

TRADE SECRET SOLVENT (CAS TRADE SECRET) 6594

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

TRADE SECRET SOLVENT (CAS TRADE SECRET) 35 %WV

**DEA Exempt Chemical Mixtures Code Number**

TRADE SECRET SOLVENT (CAS TRADE SECRET) 594

**US state regulations****US. Massachusetts RTK - Substance List**

TRADE SECRET SOLVENT (CAS TRADE SECRET)

**US. New Jersey Worker and Community Right-to-Know Act**

TRADE SECRET SOLVENT (CAS TRADE SECRET)

**US. Pennsylvania Worker and Community Right-to-Know Law**

TRADE SECRET SOLVENT (CAS TRADE SECRET)

**US. Rhode Island RTK**

TRADE SECRET SOLVENT (CAS TRADE SECRET)

**US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance**

TRADE SECRET SOLVENT (CAS TRADE SECRET)

**International Inventories**

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision****Issue date** 08-May-2015**Revision date** -**Version #** 01**NFPA ratings****Disclaimer**

Aspen Surgical Products, Inc cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.