

## Safety Data Sheet

GenTite RRS

## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

## 1.1 Product identifier

**Product Name** • All Purpose Bonding Adhesive LVOC-1168

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

**Relevant identified use(s)** • Construction

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

**Manufacturer** • Firestone Building Products Company

250 West 96th Street  
Indianapolis, IN 46260  
United States

gentitemsds@bfdp.com

**Telephone (General)** • 800-428-4442

## 1.4 Emergency telephone number

**Manufacturer** • (800) 424-9300 - CHEMTREC

**Manufacturer** • (703) 527-3887 - CHEMTREC - International

## Section 2: Hazards Identification

## EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

## 2.1 Classification of the substance or mixture

**CLP**

- Flammable Liquids 2 - H225
- Skin Irritation 2 - H315
- Eye Irritation 2 - H319
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
- Reproductive Toxicity 2 - H361d
- EUH066

**DSD/DPD**

- Highly Flammable (F)
- Irritant (Xi)
- Substances Toxic To Reproduction - Category 3
- R11, R36/37/38, R63, R66, R67

## 2.2 Label Elements

CLP

**DANGER**



- Hazard statements**
- H225 - Highly flammable liquid and vapour
  - H315 - Causes skin irritation
  - H319 - Causes serious eye irritation
  - H335 - May cause respiratory irritation
  - H336 - May cause drowsiness or dizziness
  - H361d - Suspected of damaging the unborn child.
  - EUH066 - Repeated exposure may cause skin dryness or cracking.

**Precautionary statements**

- Prevention**
- P201 - Obtain special instructions before use.
  - P202 - Do not handle until all safety precautions have been read and understood.
  - P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
  - P233 - Keep container tightly closed.
  - P240 - Ground and/or bond container and receiving equipment.
  - P241 - Use explosion-proof electrical/ventilating/lighting/equipment.
  - P242 - Use only non-sparking tools.
  - P243 - Take precautionary measures against static discharge.
  - P261 - Avoid breathing mist/vapours/spray.
  - P264 - Wash thoroughly after handling.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P281 - Use personal protective equipment as required.
- Response**
- P370+P378 - In case of fire: Use appropriate media for extinction.
  - P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  - P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
  - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
  - P321 - Specific treatment, see supplemental first aid information.
  - P332+P313 - If skin irritation occurs: Get medical advice/attention.
  - P362 - Take off contaminated clothing and wash before reuse.
  - P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337+P313 - If eye irritation persists: Get medical advice/attention.
  - P308+P313 - IF exposed or concerned: Get medical advice/attention.
- Storage/Disposal**
- P233 - Keep container tightly closed.
  - P403+P235 - Store in a well-ventilated place. Keep cool.
  - P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**DSD/DPD**



- Risk phrases**
- R11 - Highly flammable.
  - R36/37/38 - Irritating to eyes, respiratory system and skin.
  - R63 - Possible risk of harm to the unborn child.
  - R66 - Repeated exposure may cause skin dryness or cracking.
  - R67 - Vapours may cause drowsiness and dizziness.

- Safety phrases**
- S9 - Keep container in a well ventilated place
  - S16 - Keep away from sources of ignition - No Smoking.
  - S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - S37 - Wear suitable gloves.

**2.3 Other Hazards**

- CLP**
- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

- DSD/DPD**
- According to European Directive 1999/45/EC this preparation is considered dangerous.

**United States (US)**

## According to OSHA 29 CFR 1910.1200 HCS

### 2.1 Classification of the substance or mixture

#### OSHA HCS 2012

- Flammable Liquids 2 - H225
- Skin Irritation 2 - H315
- Eye Irritation 2A - H319
- Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336
- Reproductive Toxicity 2 - H361

### 2.2 Label elements

#### OSHA HCS 2012

#### DANGER



- Hazard statements**
- Highly flammable liquid and vapour - H225
  - Causes skin irritation - H315
  - Causes serious eye irritation - H319
  - May cause respiratory irritation - H335
  - May cause drowsiness or dizziness - H336
  - Suspected of damaging fertility or the unborn child. - H361

#### Precautionary statements

- Prevention**
- Obtain special instructions before use. - P201
  - Do not handle until all safety precautions have been read and understood. - P202
  - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210
  - Keep container tightly closed. - P233
  - Ground and/or bond container and receiving equipment. - P240
  - Use explosion-proof electrical/ventilating/lighting/equipment. - P241
  - Use only non-sparking tools. - P242
  - Take precautionary measures against static discharge. - P243
  - Avoid breathing mist/vapours/spray. - P261
  - Wash thoroughly after handling. - P264
  - Use only outdoors or in a well-ventilated area. - P271
  - Wear protective gloves/protective clothing/eye protection/face protection. - P280
  - Use personal protective equipment as required. - P281

- Response**
- In case of fire: Use appropriate media for extinction. - P370+P378
  - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
  - Call a POISON CENTER or doctor/physician if you feel unwell. - P312
  - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
  - Specific treatment, see supplemental first aid information. - P321
  - If skin irritation occurs: Get medical advice/attention. - P332+P313
  - Take off contaminated clothing and wash before reuse. - P362
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
  - If eye irritation persists: Get medical advice/attention. - P337+P313
  - IF exposed or concerned: Get medical advice/attention. - P308+P313

- Storage/Disposal**
- Keep container tightly closed. - P233
  - Store in a well-ventilated place. Keep cool. - P403+P235
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

### 2.3 Other hazards

#### OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

## Canada

## According to WHMIS

## 2.1 Classification of the substance or mixture

## WHMIS

- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

## 2.2 Label elements

## WHMIS



- Flammable Liquids - B2
- Other Toxic Effects - D2A
- Other Toxic Effects - D2B

## 2.3 Other hazards

## WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

See Section 12 for Ecological Information.

## Section 3 - Composition/Information on Ingredients

## 3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

## 3.2 Mixtures

| Composition                          |                                       |                  |   |  |          |
|--------------------------------------|---------------------------------------|------------------|---|--|----------|
| Chemical Name                        | Identifiers                           | %                | LD50/LC50   | Classifications According to Regulation/Directive  | Comments |
| 1-Chloro-4-(trifluoromethyl) benzene | CAS:98-56-6<br>EC<br>Number:202-681-1 | 30%<br>TO<br>60% | Ingestion/Oral-Rat<br>LD50 • 13 g/kg<br>Inhalation-Rat LC50 •<br>22 g/m <sup>3</sup>                      | EU DSD/DPD: Self Classified: Xi, R36/37/38<br>EU CLP: Self Classified: Eye Irrit. 2, H319; Skin Irrit. 2, H315; STOT SE 3 - Resp. Irrit., H335<br>OSHA HCS 2012: Eye Irrit. 2A; Skin Irrit. 2; STOT SE 3: Resp. Irrit.               | NDA      |
| Acetone                              | CAS:67-64-1<br>EC<br>Number:200-662-2 | 10%<br>TO<br>40% | Inhalation-Rat LC50 •<br>50100 mg/m <sup>3</sup> 8 Hour<br>(s)<br>Ingestion/Oral-Rat<br>LD50 • 5800 mg/kg | EU DSD/DPD: Annex I: F; R11 Xi; R36 R66 R67<br>EU CLP: Annex VI: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3: Narc., H336; EUH066<br>OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2A; STOT SE 3: Narc.                              | NDA      |
| Acetic acid, methyl ester            | CAS:79-20-9<br>EC<br>Number:201-185-2 | 1%<br>TO<br>15%  | Ingestion/Oral-Rat<br>LD50 • >5 g/kg<br>Skin-Rabbit LD50 • >5<br>g/kg                                     | EU DSD/DPD: Annex I: F; R11 Xi; R36 R66 R67<br>EU CLP: Annex VI: Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3: Narc., H336; EUH066<br>OSHA HCS 2012: Flam. Liq. 2; Eye Irrit. 2; Skin Irrit. 2; STOT RE 3: Narc. & Resp. Irrit. | NDA      |
|                                      |                                       |                  | Ingestion/Oral-Rat  | EU DSD/DPD: Annex I: F; R11 Xi; R38 Xn; R48/20-65 Repr.Cat.3; R63 R67  |          |

|         |  |                |   |  |     |
|---------|--|----------------|---|--|-----|
| Toluene | CAS:108-88-3<br>EC<br>Number:203-625-9 | 1%<br>TO<br>7% | LD50 • 636 mg/kg<br>Inhalation-Rat LC50 •<br>49 g/m <sup>3</sup> 4 Hour(s)<br>Skin-Rabbit LD50 •<br>14100 µL/kg | EU CLP: Annex VI: Flam. Liq. 2, H225; Repr. 2, H361d; Asp. Tox. 1, H304; STOT RE 2, H373; Skin Irrit. 2, H315; STOT SE 3: Narc., H336<br>OSHA HCS 2012: Flam. Liq. 2; Repr. 2; Acute Tox. 4 (Oral); STOT SE 3: Narc.; Asp. Tox. 1; Eye Irrit. 2B | NDA |
|---------|--|----------------|---|--|-----|

See Section 11 for Toxicological Information.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation**
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Eye**
- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.

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

- Refer to Section 11 - Toxicological Information.

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

- Notes to Physician**
- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

- Suitable Extinguishing Media**
- CAUTION: For mixtures containing a high percentage of an alcohol or polar solvent, alcohol-resistant foam may be more effective.  
LARGE FIRES: Water spray, fog or alcohol-resistant foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or alcohol-resistant foam.

- Unsuitable Extinguishing Media**
- None known.

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

- Unusual Fire and Explosion Hazards**
- HIGHLY FLAMMABLE: Will be easily ignited by heat, sparks or flames. Containers may explode when heated.  
Vapor explosion hazard indoors, outdoors or in sewers.  
Many liquids are lighter than water.  
Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).  
Runoff to sewer may create fire or explosion hazard.  
Vapors may form explosive mixtures with air.  
Vapors may travel to source of ignition and flash back.  
Dried solids can burn and release toxic fumes and vapors.
  - Carbon dioxide, carbon monoxide, oxides of nitrogen, hydrogen chloride, various hydrocarbons, phenols, acrid smoke and irritating fumes.
- Hazardous Combustion Products**

### 5.3 Advice for firefighters

- No action shall be taken involving any personal risk or without suitable training.  
Move containers from fire area if you can do it without risk.  
Structural firefighters' protective clothing will only provide limited protection.

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.  
Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

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

#### Personal Precautions

- Ventilate enclosed areas. Wear appropriate protective clothing. Do not touch or walk through spilled material.

#### Emergency Procedures

- ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions. LARGE SPILL: Consider initial downwind evacuation for at least 300 meters (1000 feet) Keep out of low areas. Stay upwind. Keep unauthorized personnel away. Ventilate closed spaces before entering.

### 6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

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

#### Containment/Clean-up Measures

- Stop leak if you can do it without risk.  
A vapor suppressing foam may be used to reduce vapors.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Use clean non-sparking tools to collect absorbed material.  
All equipment used when handling the product must be grounded.

### 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

- Keep away from fire. Keep away from heat and sparks. Do not eat, drink or smoke when using this product. After handling wash hands thoroughly. Prevent formation of aerosols. All equipment used when handling the product must be grounded. Bond and ground all transfer containers and equipment. Take precautionary measures against static charges. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container.

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

#### Storage

- Store in a cool, dry place. Store in a well-ventilated place. Keep container tightly closed. Keep away from fire.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

| Exposure Limits/Guidelines |        |            |                                       |                         |                 |                                       |
|----------------------------|--------|------------|---------------------------------------|-------------------------|-----------------|---------------------------------------|
|                            | Result | ACGIH      | Canada Alberta                        | Canada British Columbia | Canada Manitoba | Canada New Brunswick                  |
| Toluene (108-88-3)         | TWAs   | 20 ppm TWA | 50 ppm TWA; 188 mg/m <sup>3</sup> TWA | 20 ppm TWA              | 20 ppm TWA      | 50 ppm TWA; 188 mg/m <sup>3</sup> TWA |



|                                     |       |              |   |              |              |   |
|-------------------------------------|-------|--------------|---|--------------|--------------|---|
| Acetic acid, methyl ester (79-20-9) | STELs | 250 ppm STEL | 250 ppm STEL; 757 mg/m <sup>3</sup> STEL  | 250 ppm STEL | 250 ppm STEL | 250 ppm STEL; 757 mg/m <sup>3</sup> STEL  |
|                                     | TWAs  | 200 ppm TWA  | 200 ppm TWA; 606 mg/m <sup>3</sup> TWA    | 200 ppm TWA  | 200 ppm TWA  | 200 ppm TWA; 606 mg/m <sup>3</sup> TWA    |
| Acetone (67-64-1)                   | STELs | 750 ppm STEL | 750 ppm STEL; 1800 mg/m <sup>3</sup> STEL | 500 ppm STEL | 750 ppm STEL | 750 ppm STEL; 1782 mg/m <sup>3</sup> STEL |
|                                     | TWAs  | 500 ppm TWA  | 500 ppm TWA; 1200 mg/m <sup>3</sup> TWA   | 250 ppm TWA  | 500 ppm TWA  | 500 ppm TWA; 1188 mg/m <sup>3</sup> TWA   |

**Exposure Limits/Guidelines (Con't.)**

|                                     | Result | Canada Northwest Territories               | Canada Nova Scotia | Canada Nunavut                             | Canada Ontario  | Canada Quebec                               |
|-------------------------------------|--------|--|--------------------|--|-----------------|---|
| Toluene (108-88-3)                  | STELs  | 150 ppm STEL; 560 mg/m <sup>3</sup> STEL   | Not established    | 150 ppm STEL; 560 mg/m <sup>3</sup> STEL   | Not established | Not established                             |
|                                     | TWAs   | 100 ppm TWA; 375 mg/m <sup>3</sup> TWA     | 20 ppm TWA         | 100 ppm TWA; 375 mg/m <sup>3</sup> TWA     | 20 ppm TWA      | 50 ppm TWAEV; 188 mg/m <sup>3</sup> TWAEV   |
| Acetic acid, methyl ester (79-20-9) | STELs  | 250 ppm STEL; 760 mg/m <sup>3</sup> STEL   | 250 ppm STEL       | 250 ppm STEL; 760 mg/m <sup>3</sup> STEL   | 250 ppm STEL    | 250 ppm STEV; 757 mg/m <sup>3</sup> STEV    |
|                                     | TWAs   | 200 ppm TWA; 605 mg/m <sup>3</sup> TWA     | 200 ppm TWA        | 200 ppm TWA; 605 mg/m <sup>3</sup> TWA     | 200 ppm TWA     | 200 ppm TWAEV; 606 mg/m <sup>3</sup> TWAEV  |
| Acetone (67-64-1)                   | STELs  | 1250 ppm STEL; 2970 mg/m <sup>3</sup> STEL | 750 ppm STEL       | 1250 ppm STEL; 2970 mg/m <sup>3</sup> STEL | 750 ppm STEL    | 1000 ppm STEV; 2380 mg/m <sup>3</sup> STEV  |
|                                     | TWAs   | 1000 ppm TWA; 2370 mg/m <sup>3</sup> TWA   | 500 ppm TWA        | 1000 ppm TWA; 2370 mg/m <sup>3</sup> TWA   | 500 ppm TWA     | 500 ppm TWAEV; 1190 mg/m <sup>3</sup> TWAEV |

**Exposure Limits/Guidelines (Con't.)**

|                                     | Result   | Canada Saskatchewan | Canada Yukon                               | Denmark                                | Europe                                   | Germany DFG                                    |
|-------------------------------------|----------|---------------------|--|--|--|--|
| Toluene (108-88-3)                  | STELs    | Not established     | 150 ppm STEL; 560 mg/m <sup>3</sup> STEL   | Not established                        | 100 ppm STEL; 384 mg/m <sup>3</sup> STEL | Not established                                |
|                                     | TWAs     | 50 ppm TWA          | 100 ppm TWA; 375 mg/m <sup>3</sup> TWA     | 25 ppm TWA; 94 mg/m <sup>3</sup> TWA   | 50 ppm TWA; 192 mg/m <sup>3</sup> TWA    | Not established                                |
|                                     | Ceilings | Not established     | Not established                            | Not established                        | Not established                          | 200 ppm Peak; 760 mg/m <sup>3</sup> Peak       |
|                                     | MAKs     | Not established     | Not established                            | Not established                        | Not established                          | 50 ppm TWA MAK; 190 mg/m <sup>3</sup> TWA MAK  |
| Acetic acid, methyl ester (79-20-9) | TWAs     | 200 ppm TWA         | 200 ppm TWA; 610 mg/m <sup>3</sup> TWA     | 150 ppm TWA; 455 mg/m <sup>3</sup> TWA | Not established                          | Not established                                |
|                                     | STELs    | Not established     | 250 ppm STEL; 760 mg/m <sup>3</sup> STEL   | Not established                        | Not established                          | Not established                                |
|                                     | Ceilings | Not established     | Not established                            | Not established                        | Not established                          | 400 ppm Peak; 1240 mg/m <sup>3</sup> Peak      |
|                                     | MAKs     | Not established     | Not established                            | Not established                        | Not established                          | 100 ppm TWA MAK; 310 mg/m <sup>3</sup> TWA MAK |
| Acetone (67-64-1)                   | TWAs     | 500 ppm TWA         | 1000 ppm TWA; 2400 mg/m <sup>3</sup> TWA   | 250 ppm TWA; 600 mg/m <sup>3</sup> TWA | Not established                          | Not established                                |
|                                     | STELs    | Not established     | 1250 ppm STEL; 3000 mg/m <sup>3</sup> STEL | Not established                        | Not established                          | Not established                                |
|                                     | Ceilings | Not established     | Not established                            | Not established                        | Not established                          | 1000 ppm Peak; 2400 mg/m <sup>3</sup> Peak     |

|   | MAKs     | Not established                             | Not established | Not established                             | Not established | 500 ppm TWA MAK;<br>1200 mg/m <sup>3</sup> TWA<br>MAK |
|---|----------|---|-----------------|---|-----------------|---|
| Exposure Limits/Guidelines (Con't.)       |          |   |                 |   |                 |   |
|   | Result   | NIOSH                                       |                 | OSHA  |                 |   |
| Toluene<br>(108-88-3)                     | Ceilings | Not established                             |                 | 300 ppm Ceiling                             |                 |   |
|   | TWAs     | 100 ppm TWA; 375<br>mg/m <sup>3</sup> TWA   |                 | 200 ppm TWA                                 |                 |   |
|   | STELs    | 150 ppm STEL; 560<br>mg/m <sup>3</sup> STEL |                 | Not established                             |                 |   |
| Acetic acid, methyl<br>ester<br>(79-20-9) | TWAs     | 200 ppm TWA; 610<br>mg/m <sup>3</sup> TWA   |                 | 200 ppm TWA; 610<br>mg/m <sup>3</sup> TWA   |                 |   |
|   | STELs    | 250 ppm STEL; 760<br>mg/m <sup>3</sup> STEL |                 | Not established                             |                 |   |
| Acetone<br>(67-64-1)                      | TWAs     | 250 ppm TWA; 590<br>mg/m <sup>3</sup> TWA   |                 | 1000 ppm TWA; 2400<br>mg/m <sup>3</sup> TWA |                 |   |

## Exposure Control Notations

### Germany TRGS

- Toluene (108-88-3): **Skin:** (skin notation)

### Germany DFG

- Acetic acid, methyl ester (79-20-9): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Pregnancy:** (classification not yet possible) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Skin:** (skin notation)

## 8.2 Exposure controls

### Engineering Measures/Controls

- Good general ventilation 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. Use explosion-proof electrical/ventilating/lighting/equipment.

### Personal Protective Equipment

#### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

#### Eye/Face

- Wear splash goggles.

#### Skin/Body

- Wear clothing and footwear that cannot be penetrated by chemicals or oil.

### General Industrial Hygiene Considerations

- Avoid contact with skin, eyes or clothing. Keep away from food, drink and animal feeding stuffs. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Handle in accordance with good industrial hygiene and safety practice.

### Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways.

### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

STEV = Short Term Exposure Value

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures



## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

| Material Description                |                   |                        |  |
|-------------------------------------|-------------------|------------------------|--|
| Physical Form                       | Liquid            | Appearance/Description | Amber liquid with characteristic odor. |
| Color                               | Amber             | Odor                   | Characteristic                         |
| Odor Threshold                      | Data lacking      |                        |  |
| General Properties                  |                   |                        |  |
| Boiling Point                       | 55 C(131 F)       | Melting Point          | Data lacking                           |
| Decomposition Temperature           | Data lacking      | pH                     | Data lacking                           |
| Specific Gravity/Relative Density   | 1.14 Water=1      | Water Solubility       | Insoluble                              |
| Viscosity                           | Data lacking      | Explosive Properties   | Not explosive.                         |
| Oxidizing Properties:               | Not an oxidizer.  |                        |  |
| Volatility                          |                   |                        |  |
| Vapor Pressure                      | 233 hPa           | Vapor Density          | Data lacking                           |
| Evaporation Rate                    | Data lacking      |                        |  |
| Flammability                        |                   |                        |  |
| Flash Point                         | -19 C(-2.2 F)     | UEL                    | 13 %                                   |
| LEL                                 | 2.6 %             | Autoignition           | Data lacking                           |
| Flammability (solid, gas)           | Flammable Liquid. |                        |  |
| Environmental                       |                   |                        |  |
| Octanol/Water Partition coefficient | Data lacking      |                        |  |

### 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Avoid flames, sparks, or other sources of ignition.

### 10.5 Incompatible materials

- Acids, alkalies, strong oxidizers.

### 10.6 Hazardous decomposition products

- Carbon monoxide, carbon dioxide, hydrocarbon, hydrogen chloride and other acid products of combustion.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

| Component Name                                    | CAS      | Data  |
|---|----------|---|
| Acetone (10% TO 40%)                              | 67-64-1  | <b>Acute Toxicity:</b> orl-rat LD50:5800 mg/kg; ihl-rat LC50:50100 mg/m <sup>3</sup> /8H;<br><b>Irritation:</b> eye-rbt 20 mg/24H MOD; skn-rbt 500 mg/24H MLD;<br><b>Mutagen:</b> sln-mus-ihl 12 gm/L;<br><b>Reproductive:</b> orl-rat TDLo:273 gm/kg (13W male); ihl-rat TCLo:11000 ppm (6-19D preg) |
| 1-Chloro-4-(trifluoromethyl) benzene (30% TO 60%) | 98-56-6  | <b>Acute Toxicity:</b> orl-rat LD50:13 gm/kg  |
| Toluene (1% TO 7%)                                | 108-88-3 | <b>Acute Toxicity:</b> orl-rat LD50:636 mg/kg; ihl-rat LC50:49 gm/m <sup>3</sup> /4H; skn-rbt LD50:14100 uL/kg;<br><b>Irritation:</b> eye-rbt 100 mg/30S rinse MLD; skn-rbt 435 mg MLD;<br><b>Reproductive:</b> ihl-rat TCLo:1500 ppm (7-20D preg)  |
| Acetic acid, methyl ester (1% TO 15%)             | 79-20-9  | <b>Acute Toxicity:</b> orl-rat LD50:>5 gm/kg; skn-rbt LD50:>5 gm/kg;<br><b>Irritation:</b> eye-rbt 100 mg/24H MOD; skn-rbt 20 mg/24H MOD  |

| GHS Properties                       | Classification  |
|--------------------------------------|---|
| <b>Acute toxicity</b>                | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>Aspiration Hazard</b>             | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>Carcinogenicity</b>               | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>Germ Cell Mutagenicity</b>        | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>Skin corrosion/Irritation</b>     | EU/CLP • Skin Irritation 2<br>OSHA HCS 2012 • Skin Irritation 2   |
| <b>Skin sensitization</b>            | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>STOT-RE</b>                       | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>STOT-SE</b>                       | EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation<br>OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects; Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation |
| <b>Toxicity for Reproduction</b>     | EU/CLP • Toxic to Reproduction 2<br>OSHA HCS 2012 • Toxic to Reproduction 2   |
| <b>Respiratory sensitization</b>     | EU/CLP • Classification criteria not met<br>OSHA HCS 2012 • Classification criteria not met   |
| <b>Serious eye damage/Irritation</b> | EU/CLP • Eye Irritation 2<br>OSHA HCS 2012 • Eye Irritation 2A  |

**Route(s) of entry/exposure**

- Inhalation, Skin, and Eye

**Potential Health Effects****Inhalation****Acute (Immediate)**

- May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

**Chronic (Delayed)**

- No data available

**Skin****Acute (Immediate)**

- Causes skin irritation.

- Chronic (Delayed)**
- Repeated exposure may cause skin dryness or cracking.
- Eye**
- Acute (Immediate)**
- Causes serious eye irritation.
- Chronic (Delayed)**
- No data available.
- Ingestion**
- Acute (Immediate)**
- Although swallowing this product is an unlikely means of exposure, irritation of the mouth, pharynx, esophagus and stomach can develop following ingestion.
- Chronic (Delayed)**
- No data available.
- Carcinogenic Effects**
- The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.
- Reproductive Effects**
- Repeated or prolonged exposure to toluene may cause reproductive effects.

**Key to abbreviations**

LC = Lethal Concentration

MOD = Moderate

LD = Lethal Dose

TC = Toxic Concentration

MLD = Mild

## Section 12 - Ecological Information

### 12.1 Toxicity

| All Purpose Bonding Adhesive LVOC-1168 |                          |            |         |                     |                  |
|--|--------------------------|------------|---------|---------------------|------------------|
| Dosage                                 | Species                  | Duration   | Results | Exposure Conditions | Comments         |
| = 6.8 mg/L                             | Crustacea: Daphnia Magna | 48 Hour(s) | EC50    | NDA                 | Data for Toluene |
| = 28 mg/L                              | Crustacea: Daphnia Magna | 48 Hour(s) | NOEC    | NDA                 | Data for Toluene |

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- No studies have been found.

### 12.7 Other Information

- Water hazard class 2 (Self-assessment): hazardous to water. Do not allow product to reach sewage system. Disposal must be made according to official regulations.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

#### Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

#### Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## Section 14 - Transport Information

|           | 14.1 UN number | 14.2 UN proper shipping name | 14.3 Transport hazard class(es) | 14.4 Packing group | 14.5 Environmental hazards |
|-----------|----------------|------------------------------|---------------------------------|--------------------|----------------------------|
| DOT       | UN1133         | Adhesives                    | 3                               | II                 | NDA                        |
| TDG       | UN1133         | ADHESIVES                    | 3                               | II                 | NDA                        |
| IMO/IMDG  | UN1133         | ADHESIVES                    | 3                               | II                 | NDA                        |
| ADN       | UN1133         | ADHESIVES                    | 3                               | II                 | NDA                        |
| ADR/RID   | UN1133         | ADHESIVES                    | 3                               | II                 | NDA                        |
| IATA/ICAO | UN1133         | Adhesives                    | 3                               | II                 | NDA                        |

14.6 Special precautions for user ● None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code ● Not relevant.

14.8 Other information

- DOT ● Acetone has a reportable quantity of 5000 lbs (2270 kg) as listed in Appendix A to 49 CFR 172.101. Toluene has a reportable quantity of 1000 lbs (454 kg) as listed in Appendix A to 49 CFR 172.101.

## Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications ● Acute, Chronic, Fire

| State Right To Know                  |          |     |     |     |
|--------------------------------------|----------|-----|-----|-----|
| Component                            | CAS      | MA  | NJ  | PA  |
| Acetone                              | 67-64-1  | Yes | Yes | Yes |
| 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | No  | No  | No  |
| Toluene                              | 108-88-3 | Yes | Yes | Yes |
| Acetic acid, methyl ester            | 79-20-9  | Yes | Yes | Yes |

| Inventory                            |          |            |             |           |           |      |
|--------------------------------------|----------|------------|-------------|-----------|-----------|------|
| Component                            | CAS      | Canada DSL | Canada NDSL | EU EINECS | EU ELNICS | TSCA |
| Acetone                              | 67-64-1  | Yes        | No          | Yes       | No        | Yes  |
| 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Yes        | No          | Yes       | No        | Yes  |
| Toluene                              | 108-88-3 | Yes        | No          | Yes       | No        | Yes  |
| Acetic acid, methyl ester            | 79-20-9  | Yes        | No          | Yes       | No        | Yes  |

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

- |  |          |              |
|--|----------|--------------|
| • Acetic acid, methyl ester            | 79-20-9  | B2, D2B      |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed   |
| • Acetone                              | 67-64-1  | B2, D2B      |
| • Toluene                              | 108-88-3 | B2, D2A, D2B |

#### Canada - WHMIS - Ingredient Disclosure List

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | 1 %        |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | 1 %        |
| • Toluene                              | 108-88-3 | 1 %        |

### Environment

#### Canada - CEPA - Priority Substances List

- |  |          |  |
|--|----------|--|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed   |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed   |
| • Acetone                              | 67-64-1  | Not Listed   |
| • Toluene                              | 108-88-3 | Priority Substance List 1 (substance not considered toxic) |

## Denmark

### Environment

#### Denmark - List of Undesirable Substances - Product Groups/Function

- |  |          |  |
|--|----------|--|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed   |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed   |
| • Acetone                              | 67-64-1  | Not Listed   |
| • Toluene                              | 108-88-3 | Solvents in a wide range of products including paints, coatings and cooling lubricants |

## Europe

### Other

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

- |  |          |  |
|--|----------|--|
| • Acetic acid, methyl ester            | 79-20-9  | F; R11 Xi; R36 R66 R67                           |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed                                       |
| • Acetone                              | 67-64-1  | F; R11 Xi; R36 R66 R67                           |
| • Toluene                              | 108-88-3 | F; R11 Xi; R38 Xn; R48/20-65 Repr.Cat.3; R63 R67 |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling

- |  |          |   |
|--|----------|---|
| • Acetic acid, methyl ester            | 79-20-9  | F Xi R:11-36-66-67 S:(2)-16-26-29-33          |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed                                    |
| • Acetone                              | 67-64-1  | F Xi R:11-36-66-67 S:(2)-9-16-26              |
| • Toluene                              | 108-88-3 | F Xn R:11-38-48/20-63-65-67 S:(2)-36/37-46-62 |

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations

- |  |         |            |
|--|---------|------------|
| • Acetic acid, methyl ester            | 79-20-9 | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6 | Not Listed |
| • Acetone                              | 67-64-1 | Not Listed |

|           |          |            |
|-----------|----------|------------|
| • Toluene | 108-88-3 | Not Listed |
|-----------|----------|------------|

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

|  |          |                   |
|--|----------|-------------------|
| • Acetic acid, methyl ester            | 79-20-9  | S:(2)-16-26-29-33 |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed        |
| • Acetone                              | 67-64-1  | S:(2)-9-16-26     |
| • Toluene                              | 108-88-3 | S:(2)-36/37-46-62 |

**United States****Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

|  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

**U.S. - OSHA - Specifically Regulated Chemicals**

|  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

**Environment****U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

|  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 |            |

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

|  |          |                                    |
|--|----------|------------------------------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed                         |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed                         |
| • Acetone                              | 67-64-1  | 5000 lb final RQ; 2270 kg final RQ |
| • Toluene                              | 108-88-3 | 1000 lb final RQ; 454 kg final RQ  |

**U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities**

|  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

|  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

|  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**



- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1 Not Listed
- Toluene 108-88-3 1.0 % de minimis concentration

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1 Not Listed
- Toluene 108-88-3 Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1 Included in waste stream: F039
- Toluene 108-88-3 Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151

**U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1
- Toluene 108-88-3

**U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1 Not Listed
- Toluene 108-88-3 waste number U220

**U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1
- Toluene 108-88-3

**U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1 0.28 mg/L (wastewater); 160 mg/kg (nonwastewater)
- Toluene 108-88-3 0.080 mg/L (wastewater); 10 mg/kg (nonwastewater)

**U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1
- Toluene 108-88-3

**U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics**

- Acetic acid, methyl ester 79-20-9 Not Listed
- 1-Chloro-4-(trifluoromethyl) benzene 98-56-6 Not Listed
- Acetone 67-64-1 waste number U002 (Ignitable waste)
- Toluene 108-88-3 waste number U220

## United States - California

### Environment

#### U.S. - California - Proposition 65 - Carcinogens List

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

#### U.S. - California - Proposition 65 - Developmental Toxicity

- |  |          |   |
|--|----------|---|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed                                  |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed                                  |
| • Acetone                              | 67-64-1  | Not Listed                                  |
| • Toluene                              | 108-88-3 | developmental toxicity, initial date 1/1/91 |

#### U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

- |  |          |   |
|--|----------|---|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed  |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed  |
| • Acetone                              | 67-64-1  | Not Listed  |
| • Toluene                              | 108-88-3 | 7000 µg/day MADL (level represents absorbed dose) |

#### U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

#### U.S. - California - Proposition 65 - Reproductive Toxicity - Female

- |  |          |   |
|--|----------|---|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed  |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed  |
| • Acetone                              | 67-64-1  | Not Listed  |
| • Toluene                              | 108-88-3 | female reproductive toxicity, initial date 8/7/09 |

#### U.S. - California - Proposition 65 - Reproductive Toxicity - Male

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

## United States - Pennsylvania

### Labor

#### U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  |            |
| • Toluene                              | 108-88-3 |            |

#### U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

- |  |          |            |
|--|----------|------------|
| • Acetic acid, methyl ester            | 79-20-9  | Not Listed |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed |
| • Acetone                              | 67-64-1  | Not Listed |
| • Toluene                              | 108-88-3 | Not Listed |

## United States - Rhode Island

**Labor****U.S. - Rhode Island - Hazardous Substance List**

|  |          |                                |
|--|----------|--------------------------------|
| • Acetic acid, methyl ester            | 79-20-9  | Toxic; Flammable               |
| • 1-Chloro-4-(trifluoromethyl) benzene | 98-56-6  | Not Listed                     |
| • Acetone                              | 67-64-1  | Toxic; Flammable               |
| • Toluene                              | 108-88-3 | Toxic (skin); Flammable (skin) |

**15.2 Chemical Safety Assessment**

- No data available

**Section 16 - Other Information****Relevant Phrases (code & full text)**

- H304 - May be fatal if swallowed and enters airways
- H373 - May cause damage to organs through prolonged or repeated exposure.
- R36 - Irritating to eyes.
- R38 - Irritating to skin.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R65 - Harmful: may cause lung damage if swallowed.

**Last Revision Date**

- 14/August/2013

**Preparation Date**

- 03/February/2012

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**Key to abbreviations**

NDA = No data available