Safety Data Sheet

Cat. # 786-526

Destain I (45% Methanol, 9% Glacial acetic acid)

Size: 1 Liter
SECTION 1: Identification

1.1. Identification

Product form: Mixture
Product name: Destain I
Product code: 032D

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Geno Technology, Inc./ G-Biosciences
9800 Page Avenue
Saint Louis, 63132-1429 - United States
T 800-628-7730 - F 314-991-1504

1.4. Emergency telephone number

Emergency number: Chemtrec 1-800-424-9300 (USA/Canada), +1-703-527-3887 (Intl)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

- Flammable liquids Category 3 (H226 - Flammable liquid and vapour)
- Acute toxicity (oral) Category 3 (H301 - Toxic if swallowed)
- Skin corrosion/irritation Category 1A (H314 - Causes severe skin burns and eye damage)
- Specific target organ toxicity (single exposure) Category 1 (H370 - Causes damage to organs)

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

- Hazard pictograms (GHS US):
- Signal word (GHS US): Danger
- Hazard statements (GHS US):
  - H226 - Flammable liquid and vapour
  - H301 - Toxic if swallowed
  - H314 - Causes severe skin burns and eye damage
  - H370 - Causes damage to organs
- Precautionary statements (GHS US):
  - P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  - P233 - Keep container tightly closed.
  - P240 - Ground/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.
  - P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
  - P264 - Wash hands, forearms and face thoroughly after handling.
  - P270 - Do not eat, drink or smoke when using this product.
  - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
  - P301+P310 - If swallowed: Immediately call a poison center or doctor
  - P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
  - P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
  - P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
  - P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - P307+P311 - If exposed: Call a poison center/doctor
  - P310 - Immediately call a poison center or doctor
  - P321 - Specific treatment (see supplemental first aid instruction on this label)
  - P330 - Rinse mouth.
P363 - Wash contaminated clothing before reuse.  
P370+P378 - In case of fire: Use media other than water to extinguish.  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

<table>
<thead>
<tr>
<th>Name</th>
<th>Common Name (Synonyms)</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
</table>
Acute Tox. 3 (Oral), H301  
Acute Tox. 3 (Inhalation), H331  
Acute Tox. 3 (Inhalation:vapour), H331  
STOT SE 1, H370 |
| acetic acid  | acetic acid / Aci-Gel / Aci-Jel / alcohol of vinegar / carboxylic acid C2 / E260 / ethanoic acid / ethylic acid / FEMA No 2006 / fema number 2006 / glacial acetic acid / methanecarboxylic acid / pyroligneous acid / vinegar / vinegar acid / vosol | (CAS-No.) 64-19-7 | 5 - 10 | Flam. Liq. 3, H226  
Acute Tox. 4 (Inhalation:vapour), H332  
Skin Corr. 1A, H314 |

Note B : Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: ‘nitric acid … %. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first-aid measures

First-aid measures general


First-aid measures after inhalation

Remove the victim into fresh air. Immediately consult a doctor/medical service.

First-aid measures after skin contact

Wash immediately with lots of water. Soap may be used. Do not apply (chemical) neutralizing agents. Remove clothing before washing. Consult a doctor/medical service.

First-aid measures after eye contact

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.

4.2. Most important symptoms and effects (acute and delayed)

<table>
<thead>
<tr>
<th>Symptoms/effects after inhalation</th>
<th>EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Symptoms similar to those listed under ingestion.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Symptoms/effects after skin contact</td>
<td>Symptoms similar to those listed under ingestion.</td>
</tr>
<tr>
<td>Symptoms/effects after eye contact</td>
<td>Redness of the eye tissue. Lacrimation.</td>
</tr>
</tbody>
</table>


4.3. Immediate medical attention and special treatment, if necessary

Immediately after ingestion, give a glass of strong drink, beer or wine to drink. Hospitalize at once for treatment with the right antidotes.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

| Unsuitable extinguishing media | Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion. |

5.2. Specific hazards arising from the chemical

| Fire hazard | DIRECT FIRE HAZARD: Highly flammable liquid and vapour. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. |
| Explosion hazard | DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards; see "Reactivity Hazard". |

5.3. Special protective equipment and precautions for fire-fighters

| Firefighting instructions | Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it. |
| Protection during firefighting | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| Protective equipment | Gas-tight suit. |

6.1.2. For emergency responders

| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |

6.2. Environmental precautions

Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment: Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute combustible/toxic gases/vapours with water spray. Take account of toxic/corrosive precipitation water. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
Methods for cleaning up: Take up liquid spill into a non combustible material e.g.: sand, earth, vermiculite slaked lime or soda ash. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle uncleaned empty containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Keep container tightly closed.

Hygiene measures: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Ground/bond container and receiving equipment.

Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Material</th>
<th>ACGIH TWA (ppm)</th>
<th>ACGIH STEL (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Destain I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>acetic acid (64-19-7)</td>
<td>ACGIH TWA (ppm)</td>
<td>10 ppm</td>
</tr>
<tr>
<td>methanol (67-56-1)</td>
<td>ACGIH TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td></td>
<td>ACGIH STEL (ppm)</td>
<td>250 ppm</td>
</tr>
</tbody>
</table>

8.2. Appropriate engineering controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Environmental exposure controls: Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Materials for protective clothing:
GIVE GOOD RESISTANCE: polyethylene/ethylenevinylalcohol. styrene-butadiene rubber. viton. GIVE LESS RESISTANCE: chloroprene rubber. chlorinated polyethylene. natural rubber. nitrile rubber/PVC. GIVE POOR RESISTANCE: leather. neoprene. nitrile rubber. polyethylene. PVA. PVC. polyurethane

Hand protection:
Protective gloves against chemicals (EN374)

Eye protection:
Safety glasses

Skin and body protection:
Head/neck protection. Protective clothing

Respiratory protection:
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>Mild odour</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>35 °C</td>
</tr>
<tr>
<td>Relative evaporation rate (butyl acetate=1)</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative vapor density at 20 °C</td>
<td>No data available</td>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>No data available</td>
</tr>
<tr>
<td>Log Pow</td>
<td>No data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity, dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
</tbody>
</table>

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Violent to explosive reaction with (some) metal powders and with (strong) oxidizers. Violent exothermic reaction with (some) acids and with (some) halogens compounds.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>Toxic if swallowed</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>Not classified</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>220.888 mg/kg body weight</td>
</tr>
</tbody>
</table>
Destain I
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**acetic acid (64-19-7)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>3310 mg/kg body weight (Rat, Male / female, Experimental value, Oral)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>11.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Female, Experimental value, Inhalation (vapours), 14 day(s))</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>3310 mg/kg body weight</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>11.4 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
<td>11.4 mg/l/4h</td>
</tr>
</tbody>
</table>

**methanol (67-56-1)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1187 - 2769 mg/kg body weight (BASF test, Rat, Male / female, Weight of evidence, Aqueous solution, Oral, 7 day(s))</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
<td>17100 mg/kg (Rabbit, Inconclusive, insufficient data, Dermal)</td>
</tr>
<tr>
<td>LC50 inhalation rat (mg/l)</td>
<td>128.2 mg/l air (BASF test, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours))</td>
</tr>
<tr>
<td>ATE US (oral)</td>
<td>100 mg/kg body weight</td>
</tr>
<tr>
<td>ATE US (dermal)</td>
<td>17100 mg/kg body weight</td>
</tr>
<tr>
<td>ATE US (gases)</td>
<td>700 ppmV/4h</td>
</tr>
<tr>
<td>ATE US (vapors)</td>
<td>3 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
<td>0.5 mg/l/4h</td>
</tr>
</tbody>
</table>

Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/irritation: Eye damage, category 1, implicit
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity – single exposure: Causes damage to organs.

**methanol (67-56-1)**

Specific target organ toxicity – single exposure: Causes damage to organs.

Specific target organ toxicity – repeated exposure: Not classified

Aspiration hazard: Not classified
Viscosity, kinematic: No data available

Symptoms/effects after inhalation: EXPOSURE TO HIGH CONCENTRATIONS: Coughing. Symptoms similar to those listed under ingestion.
Symptoms/effects after skin contact: Symptoms similar to those listed under ingestion.
Symptoms/effects after eye contact: Redness of the eye tissue. Lacrimation.


**SECTION 12: Ecological information**

**12.1. Toxicity**

Ecology - general: Before neutralisation, the product may represent a danger to aquatic organisms.

**acetic acid (64-19-7)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>&gt; 1000 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Semi-static system, Fresh water, Experimental value)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>&gt; 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)</td>
</tr>
</tbody>
</table>

**methanol (67-56-1)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>15400 mg/l (EPA 660/3 - 75/009, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, Lethal)</td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability

**acetic acid (64-19-7)**
Persistence and degradability: Readily biodegradable in the soil. Readily biodegradable in water.

Biochemical oxygen demand (BOD): 0.6 - 0.74 g O₂/g substance

Chemical oxygen demand (COD): 1.03 g O₂/g substance

ThOD: 1.07 g O₂/g substance

**methanol (67-56-1)**
Persistence and degradability: Readily biodegradable in the soil. Readily biodegradable in water.

Biochemical oxygen demand (BOD): 0.6 - 1.12 g O₂/g substance

Chemical oxygen demand (COD): 1.42 g O₂/g substance

ThOD: 1.5 g O₂/g substance

12.3. Bioaccumulative potential

**acetic acid (64-19-7)**
BCF fish 1: 3.16 (Pisces, Fresh water, QSAR)

Log Pow: -0.17 (Experimental value, 25 °C)

Bioaccumulative potential: Not bioaccumulative.

**methanol (67-56-1)**
BCF fish 1: 1 - 4.5 (72 h, Cyprinus carpio, Static system, Fresh water, Experimental value)

Log Pow: -0.77 (Experimental value)

Bioaccumulative potential: Low potential for bioaccumulation (BCF < 500).

12.4. Mobility in soil

**acetic acid (64-19-7)**
Surface tension: 26.3 mN/m (30 °C)

Ecology - soil: Highly mobile in soil. May be harmful to plant growth, blooming and fruit formation.

**methanol (67-56-1)**
Surface tension: 0.023 N/m (20 °C)

Log Koc: 0.088 (log Koc, SRC PCKOCWIN v2.0, Calculated value)

Ecology - soil: Highly mobile in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods


Product/Packaging disposal recommendations: Do not discharge into drains or the environment. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle by distillation. Incinerate under surveillance with energy recovery. Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT

<table>
<thead>
<tr>
<th>Description</th>
<th>DOT/UN Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport document description</td>
<td>UN1230 Methanol, 3, II</td>
</tr>
<tr>
<td>UN-No. (DOT)</td>
<td>UN1230</td>
</tr>
<tr>
<td>Proper Shipping Name (DOT)</td>
<td>Methanol</td>
</tr>
<tr>
<td>Class (DOT)</td>
<td>3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120</td>
</tr>
<tr>
<td>Packing group (DOT)</td>
<td>II - Medium Danger</td>
</tr>
<tr>
<td>Hazard labels (DOT)</td>
<td>3 - Flammable liquid</td>
</tr>
</tbody>
</table>

### DOT Packaging Non Bulk (49 CFR 173.xxx)

- DOT Packaging Non Bulk: 202

### DOT Packaging Bulk (49 CFR 173.xxx)

- DOT Packaging Bulk: 242

### DOT Symbols

- DOT Symbols: D - Proper shipping name for domestic use only, or to and from Canada

### DOT Special Provisions (49 CFR 172.102)

- DOT Special Provisions: IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.
- TP2 - a. The maximum degree of filling must not exceed the degree of filling determined by the following: (image) Where: \( tr \) is the maximum mean bulk temperature during transport, \( tf \) is the temperature in degrees celsius of the liquid during filling, and \( a \) is the mean coefficient of cubical expansion of the liquid between the mean temperature of the liquid during filling \( (tf) \) and the maximum mean bulk temperature during transportation \( (tr) \) both in degrees celsius. b. For liquids transported under ambient conditions may be calculated using the formula: (image)
- Where: \( d_{15} \) and \( d_{50} \) are the densities (in units of mass per unit volume) of the liquid at 15 C (59 F) and 50 C (122 F), respectively.

### DOT Packaging Exceptions (49 CFR 173.xxx)

- DOT Packaging Exceptions: 150

### DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)

- DOT Quantity Limitations: 1 L

### DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)

- DOT Quantity Limitations: 60 L

### DOT Vessel Stowage Location

- DOT Vessel Stowage Location: B - (i) The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) “On deck only” on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.

### DOT Vessel Stowage Other

- DOT Vessel Stowage Other: 40 - Stow “clear of living quarters”

### Emergency Response Guide (ERG) Number

- Emergency Response Guide: 131

### Other information

- Other information: No supplementary information available.

## Transportation of Dangerous Goods

**Transport by sea**

- Not regulated

**Air transport**

- Not regulated

## SECTION 15: Regulatory information

### 15.1. US Federal regulations
Destain I
Safety Data Sheet

acetic acid (64-19-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Not subject to reporting requirements of the United States SARA Section 313
CERCLA RO 5000 lb

methanol (67-56-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313
Listed on EPA Hazardous Air Pollutant (HAPs)
CERCLA RO 5000 lb

15.2. International regulations

CANADA

acetic acid (64-19-7)
Listed on the Canadian DSL (Domestic Substances List)
methanol (67-56-1)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

methanol (67-56-1)

<table>
<thead>
<tr>
<th>State</th>
<th>Carcinogens - Proposition 65</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity - Female</th>
<th>Reproductive Toxicity - Male</th>
<th>Maximum allowable dose level (MADL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>47000 µg/day (inhalation); 23,000 µg/day (oral)</td>
</tr>
</tbody>
</table>

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision date : 05/11/2017

Full text of H-phrases:

| H225 | Highly flammable liquid and vapour |
| H226 | Flammable liquid and vapour         |
| H301 | Toxic if swallowed                  |
| H314 | Causes severe skin burns and eye damage |
| H331 | Toxic if inhaled                     |
| H332 | Harmful if inhaled                   |
| H370 | Causes damage to organs              |

SDS US (GHS HazCom 2012)

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