

## MATERIAL SAFETY DATA SHEET

|                |   |                                      |   |             |   |            |   |  |
|----------------|---|--------------------------------------|---|-------------|---|------------|---|--|
| <b>NFPA</b>    | <b>HMIS</b>   | <b>Personal Protective Equipment</b> |   |             |   |            |   |  |
|                | <table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Fire Hazard</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> </tr> </table> | Health Hazard                        | 2 | Fire Hazard | 3 | Reactivity | 0 |  |
| Health Hazard  | 2   |                                      |   |             |   |            |   |  |
| Fire Hazard    | 3   |                                      |   |             |   |            |   |  |
| Reactivity     | 0   |                                      |   |             |   |            |   |  |
| See Section 8. |   |                                      |   |             |   |            |   |  |

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                                    |  |
|------------------------------------|--|
| <b>Product code:</b>               | ET105  |
| <b>Product Name:</b>               | ETHYL ACETATE, NF  |
| <b>Chemical Name:</b>              | Acetic acid, ethyl ester   |
| <b>Synonyms:</b>                   | Acetic ether<br>Acetidin<br>Acetoxyethane<br>Ethyl acetic ester<br>Ethyl ethanoate<br>Vinegar naphtha<br>Ethyle (acetate d') (French)<br>Acétate d'éthyle (French)<br>Acétate éthylique (French)<br>Acetato de etilo (Spanish) |
| <b>Recommended use:</b>            | Solvent. Perfuming agent. In photographic films and plates.  |
| <b>CAS #:</b>                      | 141-78-6   |
| <b>Formula:</b>                    | C4-H8-O2   |
| <b>RTECS #</b>                     | AH5425000  |
| <b>CI#:</b>                        | Not available  |
| <b>Supplier:</b>                   | Spectrum Chemicals and Laboratory Products, Inc.<br>14422 South San Pedro St.<br>Gardena, CA 90248<br>(310) 516-8000   |
| <b>Emergency Telephone Number:</b> | CHEMTREC: 1-800-424-9300   |
| <b>Contact Person:</b>             | Martin LaBenz (West Coast)   |
| <b>Contact Person:</b>             | Chris Terpak (East Coast)  |

### 2. HAZARDS IDENTIFICATION

| <b>EMERGENCY OVERVIEW</b>   |                                   |  |                                    |
|---|-----------------------------------|--|------------------------------------|
| DANGER FLAMMABLE! . WARNING! IRRITANT. Irritating to eyes. Irritating to respiratory system. May cause skin irritation. |                                   |  |                                    |
| <b>Odor:</b><br>Ether-like. Fruity.   | <b>Physical state:</b><br>Liquid. | <b>Appearance:</b><br>No information available | <b>Color:</b><br>Clear. Colorless. |

## 2. HAZARDS IDENTIFICATION

**OSHA Regulatory Status** This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

### POTENTIAL HEALTH EFFECTS

**Principal Routes of Exposure:**

Ingestion. Skin. Eyes. Inhalation.

**Acute Potential Health Effects:**

**Skin Contact:**

May cause skin irritation. It may be absorbed through the skin. If absorbed through skin it may cause systemic effects.

**Eye Contact:**

Causes eye irritation. Causes conjunctival irritation.

**Inhalation:**

Irritating to respiratory system. May affect respiration. May cause pulmonary edema. Inhalation of vapors may cause dizziness or suffocation. May cause central nervous system effects. It may affect the blood. May affect the liver. May affect the urinary system. May cause cardiovascular effects.

**Ingestion:**

May cause digestive (gastrointestinal) tract irritation. May cause nausea and vomiting. Aspiration hazard. Aspiration into the lungs may cause chemical pneumonitis. May cause central nervous system effects. May affect the liver. May cause metabolic acidosis. May affect the cardiovascular system.

**Chronic Potential Health Effects:**

**Target Organs:** Skin. Central nervous system. Liver. Kidneys. Lungs. Respiratory system. Heart.

|                           |                          |
|---------------------------|--------------------------|
| <b>Carcinogen Status:</b> | No information available |
|---------------------------|--------------------------|

|                           |   |
|---------------------------|---|
| <b>Mutagenic Effects:</b> | May affect genetic material<br>Experiments with bacteria and/or yeast have shown mutagenic effects<br>Animal experiments showed mutagenic effects |
|---------------------------|---|

|                             |                          |
|-----------------------------|--------------------------|
| <b>Teratogenic Effects:</b> | No information available |
|-----------------------------|--------------------------|

|                                       |                          |
|---------------------------------------|--------------------------|
| <b>Aggravated Medical Conditions:</b> | No information available |
|---------------------------------------|--------------------------|

See Section 11 for additional Toxicological Information

### POTENTIAL ENVIRONMENTAL EFFECTS

No information available

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components    | CAS-No.  | Weight % |
|---------------|----------|----------|
| Ethyl Acetate | 141-78-6 | 100      |

## 4. FIRST AID MEASURES

**General Advice:** Poison information centres in each State capital city can provide additional assistance for scheduled poisons (13 1126).

|                            |   |
|----------------------------|---|
| <b>Skin Contact:</b>       | Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops. |
| <b>Eye Contact:</b>        | Flush eye with water for 15 minutes. Get medical attention.   |
| <b>Inhalation:</b>         | Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.              |
| <b>Ingestion:</b>          | Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.       |
| <b>Notes to Physician:</b> | Treat symptomatically   |

## 5. FIRE-FIGHTING MEASURES

### Flammable Properties

|                            |                                 |
|----------------------------|---------------------------------|
| <b>Flashpoint (°C/°F):</b> | -4.4 °C/24 °F<br>7.2 °C/44.96°F |
|----------------------------|---------------------------------|

### Tested according to:

Closed cup  
Open cup

|                                   |         |
|-----------------------------------|---------|
| <b>Lower Explosion Limit (%):</b> | 2-2.2%  |
| <b>Upper Explosion Limit (%):</b> | 9-11.5% |

|  |                 |
|--|-----------------|
| <b>Autoignition Temperature (°C/°F):</b> | 426.6 °C/800 °F |
|--|-----------------|

|   |  |
|---|--|
| <b>Suitable Extinguishing Media:</b>                  | Carbon dioxide (CO <sub>2</sub> ). Dry chemical. Alcohol-resistant foam. Water spray.  |
| <b>Unsuitable Extinguishing Media:</b>                | Do not use a solid (straight) water stream as it may scatter and spread fire.  |
| <b>Hazardous Combustion Products:</b>                 | carbon monoxide; carbon dioxide  |
| <b>Specific hazards:</b>                              | Flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Material can burn with invisible flame. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases. |
| <b>Special Protective Equipment for Firefighters:</b> | As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear  |
| <b>Specific Methods:</b>                              | Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.  |

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:**

Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

**Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

**Methods for Cleaning Up:**

Absorb spill with inert material (e.g. vermiculite, dry sand or earth), then place in a suitable chemical waste container. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE

**Handling****Technical Measures/Precautions:**

Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

**Safe Handling Advice:**

Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.

**Storage****Technical Measures/Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials. Moisture sensitive.

**Incompatible Products:**

Oxidizing agents. Acids. Bases. Chlorosulfonic acid. Oleum. Potassium t-butoxide.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

**Personal Protective Equipment**

**Eye protection:** Goggles. Safety glasses with side-shields.

**Skin and body protection:** Chemical resistant apron. Long sleeved clothing. Gloves.

**Respiratory protection:** Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

**Hygiene measures:** Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

**National occupational exposure limits**

## United States

| Components               | OSHA                                      | NIOSH                                     | ACGIH       | AIHA WHEEL |
|--------------------------|---|---|-------------|------------|
| Ethyl Acetate - 141-78-6 | 400 ppm TWA<br>1400 mg/m <sup>3</sup> TWA | 400 ppm TWA<br>1400 mg/m <sup>3</sup> TWA | 400 ppm TWA | None       |

## Canada

| Components                | Alberta                                   | British Columbia | Quebec  | Ontario     |
|---------------------------|---|------------------|---|-------------|
| Ethyl Acetate<br>141-78-6 | 400 ppm TWA<br>1440 mg/m <sup>3</sup> TWA | 150 ppm TWA      | 400 ppm TWAEV<br>1440 mg/m <sup>3</sup> TWAEV | 400 ppm TWA |

## Australia and Mexico

| Components                | Australia   | Mexico                                    |
|---------------------------|---|---|
| Ethyl Acetate<br>141-78-6 | 400 ppm STEL<br>1440 mg/m <sup>3</sup> STEL<br>200 ppm TWA<br>720 mg/m <sup>3</sup> TWA | 400 ppm TWA<br>1400 mg/m <sup>3</sup> TWA |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:**

Liquid.

**Appearance:**

No information available

**Color:**

Clear. Colorless.

**Odor:**

Ether-like. Fruity.

**Taste**

Bittersweet. Wine-like. Burning.

**Molecular/Formula weight:**

88.11

**Flash point (°C):**

-4.4

**Lower Explosion Limit (%):**

2-2.2%

**Upper Explosion Limit (%):**

9-11.5%

**Autoignition Temperature (°C/°F):**

426.6 °C/800 °F

**pH:**

No information available

**Boiling point/range(°C/°F):**

77 °C/170.6 °F

**Melting point/range(°C/°F):**

-83 °C/-117.4 °F

**Decomposition temperature(°C/°F):**

No information available

**Specific gravity:**

9.02 @ 20 °C  
0.894-0.898 @ 25 °C

**Density (g/cm<sup>3</sup>):**

No information available

**Bulk density:**

No information available

**Vapor pressure @ 20°C (kPa):**

9.71-10.11  
(12.4 kPa @ 25 °C)

**Vapor density:**

3.04

**Evaporation rate:**

6.2 (butyl acetate = 1)

**VOC content (g/L):**

No information available

**Odor threshold (ppm):**

1.0-4.0

**Partition coefficient**

**(n-octanol/water):**

0.73

**Miscibility:**

Miscible with Chloroform

**Solubility:**

Soluble in Ether

Soluble in alcohol

Soluble in Acetone

Soluble in Benzene

Very soluble in water

Solubility in Water: 64-80 g/L @ 25 °C;

83.1 g/L @ 20 °C

## 10. STABILITY AND REACTIVITY

**Stability:**

Stable at normal conditions

**Conditions to avoid:**

Heat. Incompatible materials. Moisture sensitive. Exposure to moist air. Slowly decomposed by moisture.

|  |  |
|--|--|
| <b>Materials to avoid:</b>                 | Strong oxidising agents. Strong acids and strong bases. Chlorosulfonic acid. Potassium t-butoxide. Oleum.                            |
| <b>Hazardous decomposition products:</b>   | Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.                             |
| <b>Possibility of Hazardous Reactions:</b> | It can react vigorously with Chlorosulfonic acid, Oleum, Potassium-tert-Butoxide Explosive reaction with lithium tetrahydroaluminate |
| <b>Polymerization:</b>                     | Hazardous polymerisation does not occur  |
| <b>Corrosivity:</b>                        | No information available   |
| <b>Special Remarks on Corrosivity:</b>     | No information available   |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Component Information

*Ethyl Acetate - 141-78-6*

**LD50/oral/rat** = 5620 mg/kg Oral LD50 Rat

**LD50/oral/mouse** = 4100 mg/kg

**LD50/dermal/rabbit** =

> 18000 mg/kg Dermal LD50 Rabbit

> 20 mL/kg Dermal LD50 Rabbit

**LD50/dermal/rat** = No information available

**LC50/inhalation/rat** =

16,000 ppm 6hr

4000 ppm 4hr

**LC50/inhalation/mouse** =

45000 mg/m<sup>3</sup> 2hr

1500 ppm 4hr

**Other LD50 information** =

4935 mg/kg LD50 Oral Rabbit

5500 mg/kg LD50 Oral Guinea Pig

#### Product Information

**LC50/inhalation/rat** =

16,000 ppm 6hr

4000 ppm 4hr

**LC50/Inhalation/mouse** =

45000 mg/m<sup>3</sup> 2hr

1500 ppm 4hr

**LD50/dermal/rabbit** =

> 18000 mg/kg

> 20 mL/kg

**LD50/dermal/rat** = No information available

**LD50/oral/rat** = 5620 mg/kg

**LD50/oral/mouse** = 4100 mg/kg

#### Local Effects

**Skin irritation:** May cause skin irritation.

**Eye irritation:** Causes eye irritation. Causes conjunctival irritation.

**Inhalation:** Irritating to respiratory system. Inhalation of high concentrations of vapor may cause anesthetic effects. Inhalation of high concentrations of vapors may cause dizziness or suffocation. May affect respiration (respiratory depression). May cause pulmonary edema. It may affect the liver. May affect the kidneys. Symptoms may include sore throat, shortness of breath, coughing, wheezing, inflammation of the nasal passages. May affect behavior/central nervous system (dizziness, loss of coordination, coma). May affect behavior/central nervous system (somnolence).

**Ingestion:** Causes digestive (gastrointestinal) tract irritation. Ingestion may cause nausea, vomiting. May cause flushing and sweating. Aspiration hazard if swallowed. Aspiration into the lungs can cause chemical pneumonitis. May cause metabolic acidosis. May affect the cardiovascular system (tachycardia). May affect the cardiovascular system (hypotension). May affect behavior/central nervous system (somnolence, convulsions). May affect behavior/central nervous system (ataxia). It may affect behavior/central nervous system (boastfulness, talkativeness, belligerency, irritability, slurred speech, diplopia, vertigo, drowsiness, coma).

**Sensitization:** No information available

**Chronic Toxicity**

**Chronic Toxicity** Prolonged or repeated skin contact may cause dermatitis and defatting, dryness, and cracking of the skin. Prolonged or repeated ingestion may affect the liver. Prolonged or repeated inhalation may affect the kidneys. Prolonged or repeated inhalation may affect the liver. Prolonged or repeated inhalation may produce changes in pulmonary function and/or chronic bronchitis. Repeated exposure may cause bronchitis to develop with cough, phlegm, and /or shortness of breath. Prolonged or repeated inhalation may affect the blood (anemia, leukocytosis, reduced platelet count). Prolonged or repeated inhalation may affect the blood (changes in red blood cell count). Prolonged or repeated inhalation may cause central nervous system effects. Prolonged or repeated exposure may affect the heart. Prolonged or repeated inhalation may cause loss of appetite.

**Carcinogenic effects:** Not considered carcinogenic

| Components    | NTP        | IARC       | OSHA HCS - Carcinogens | ACGIH - Carcinogens | Australia - Prohibited Carcinogenic Substances | Australia - Notifiable Carcinogenic Substances |
|---------------|------------|------------|------------------------|---------------------|--|--|
| Ethyl Acetate | Not listed | Not listed | Not listed             | Not listed          | Not listed                                     | Not listed                                     |

**Mutagenic Effects:** May affect genetic material . Experiments with bacteria and/or yeast have shown mutagenic effects. Animal experiments showed mutagenic effects.

**Reproductive Effects:** May cause adverse reproductive effects based on animal test data. Experiments have shown reproductive toxicity effects (lower testicular and prostate weights, and reduced number of spermatozoa) in male rats. It has not been shown to affect reproduction in humans.

**Teratogenic Effects:** No information available

**Target Organs:** Skin. Central nervous system. Liver. Kidneys. Lungs. Respiratory system. Heart.

**12. ECOLOGICAL INFORMATION**

**ECOTOXICITY**

**Toxicity to terrestrial and aquatic plants and animals:** Information given is based on data on the components and the ecotoxicology of similar products

**Ecotoxicity effects:** Aquatic environment.

**Aquatic toxicity:**

*Ethyl Acetate - 141-78-6*

**Freshwater Algae Data:** 3300 mg/L EC50 *Desmodesmus subspicatus* 48 h

**Freshwater Fish Species Data:** 220-250 mg/L LC50 *Pimephales promelas* 96 h flow-through 1  
352-500 mg/L LC50 *Oncorhynchus mykiss* 96 h semi-static 1  
484 mg/L LC50 *Oncorhynchus mykiss* 96 h flow-through 1

**Water Flea Data:** 560 mg/L EC50 *Daphnia magna* 48 h

**Mobility:** No information available

**Persistence and degradability:** No information available

**Bioaccumulative potential:** No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**

Waste must be disposed of in accordance with Federal, State and Local regulation.

**Contaminated packaging:**

Empty containers should be taken for local recycling, recovery or waste disposal

| Components    | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|---------------|------------------------|------------------------|------------------------|------------------------|
| Ethyl Acetate | None                   | None                   | None                   | U112 Ignitable waste   |

### 14. TRANSPORT INFORMATION

**DOT**

**UN-No:** UN1173  
**Proper Shipping Name:** Ethyl acetate  
**Hazard Class:** 3  
**Packing Group:** II  
**Subsidiary Risk:** Not applicable  
**Marine Pollutant:** No data available  
**ERG No:** 129  
**DOT RQ (lbs):** No information available  
**Symbol(s):** R5

**TDG (Canada)**

**Proper Shipping Name:** Ethyl acetate  
**UN-No:** UN1173  
**Hazard Class:** 3  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Description:** No information available

**ADR**

**Proper Shipping Name:** Ethyl acetate  
**UN-No:** UN1173  
**Hazard Class:** 3  
**Packing Group:** II  
**Subsidiary Risk:** No information available  
**Classification Code:** No information available  
**Description:** No information available



CEFIC Tremcard No: No information available

**IMO / IMDG**

Proper Shipping Name: Ethyl acetate  
UN-No: UN1173  
Hazard Class: 3  
Subsidiary Risk: No information available  
Packing Group: II  
Description: No information available  
IMDG Page: No information available  
Marine Pollutant: No information available  
EMS: F-E  
MFAG: No information available  
Maximum Quantity: No information available

**RID**

Proper Shipping Name: Ethyl acetate  
UN-No: UN1173  
Hazard Class: 3  
Packing Group: II  
Subsidiary Risk: 3  
Classification Code: No information available  
Description: No information available

**ICAO**

UN-No: UN1173  
Hazard Class: 3  
Proper Shipping Name: Ethyl acetate  
Packing Group: II  
Subsidiary Risk: No information available  
Description: No information available

**IATA**

Proper Shipping Name: Ethyl acetate  
UN-No: UN1173  
Hazard Class: 3  
Packing Group: II  
Subsidiary Risk: No information available  
ERG Code: 3L  
Description: No information available

**15. REGULATORY INFORMATION**

**International Inventories**

| Components           | U.S. TSCA | Philippines (PICCS) | KOREA KECL | Japan ENCS | CHINA   | Australia (AICS) | EINECS-No. |
|----------------------|-----------|---------------------|------------|------------|---------|------------------|------------|
| <i>Ethyl Acetate</i> | Present   | Present             | KE-00047   | 2-726      | Present | Present          | 205-500-4  |

**U.S. Regulations**

*Ethyl Acetate*

- Massachusetts RTK: Present
- New Jersey RTK Hazardous Substance List: Present
- New Jersey - Discharge Prevention - List of Hazardous Substances Present
- Pennsylvania RTK: Environmental hazard
- Pennsylvania RTK - Environmental Hazard List Present
- RI RTK - Hazardous Substances List: Present
- Minnesota - Hazardous Substance List: Present

Ethyl Acetate

**New York Release Reporting - List of Hazardous Substances:**

5000 lb RQ

1 lb RQ

**Louisiana Reportable Quantity List for Pollutants: 5000lbfinal RQ**

2270kgfinal RQ

**California Directors List of Hazardous Substances: Present**

**California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**

**Chemicals Known to the State of California to Cause Cancer:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

**Chemicals Known to the State of California to Cause Reproductive Toxicity:**

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

| Components    | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|---------------|------------|------------------------|----------------------------|-------------------------------|
| Ethyl Acetate | Not Listed | Not Listed             | Not Listed                 | Not Listed                    |

**CERCLA/SARA**

| Components    | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting <i>de minimis</i> |
|---------------|---|---|--|---------------------------------|---|
| Ethyl Acetate | 5000 lb final RQ<br>2270 kg final RQ                          | None  | None   | None                            | None                                      |

**U.S. TSCA**

| Components    | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|---------------|---|--|
| Ethyl Acetate | Not Applicable  | Not Applicable                         |

**Canada**

**WHMIS hazard class:**

B2 Flammable liquid

**Ethyl Acetate**

B2

**Canada Controlled Products Regulation:**

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

| Components    | WHMIS Ingredient Disclosure List - |
|---------------|------------------------------------|
| Ethyl Acetate | 1 %                                |

**Inventory**

| Components    | Canada (DSL) | Canada (NDSL) |
|---------------|--------------|---------------|
| Ethyl Acetate | Present      | Not Listed    |

| Components    | CEPA Schedule I - Toxic Substances | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
|---------------|------------------------------------|---|
| Ethyl Acetate | Not listed                         | Not listed  |

## EU Classification

### R -phrase(s)

R11 - Highly flammable.

R36 - Irritating to eyes.

R66 - Repeated exposure may cause skin dryness or cracking.

R67 - Vapors may cause drowsiness and dizziness.

### S -phrase(s)

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.

S33 - Take precautionary measures against static discharges.

**The product is classified in accordance with Annex VI to Directive 67/548/EEC**

### Indication of danger:

F - Highly flammable.

Xi - Irritant.



## 16. OTHER INFORMATION

**The MSDS format complies with ANSI Z400.1-2004 standards.**

|                              |                          |
|------------------------------|--------------------------|
| <b>Preparation Date</b>      | 19-May-2011              |
| <b>Reason for revision:</b>  | Not applicable           |
| <b>Prepared by:</b>          | Sonia Owen               |
| <b>Literature reference:</b> | No information available |

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. The physical properties reported in this MSDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.