SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier

Product code: HP602
Product Name: ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

Other means of identification

Synonyms:
- Acetic ether
- Acetidin
- Acetoxyethane
- Ethyl acetic ester
- Ethyl ethanoate
- Vinegar naphtha
- Ethyle (acetate d’) (French)
- Acétate d’éthyle (French)
- Acétate éthylque (French)
- Acetato de etilo (Spanish)

CAS #: 141-78-6
RTECS #: AH5425000
CI#: Not available

Recommended use of the chemical and restrictions on use

Uses advised against: No information available

Supplier: Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com
Emergency telephone number: Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

<table>
<thead>
<tr>
<th>Label elements</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>2A</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>3</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>2</td>
</tr>
</tbody>
</table>

Product code: HP602
Product name: ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Danger

Hazard statements
Causes serious eye irritation
May cause respiratory irritation. May cause drowsiness or dizziness
Highly flammable liquid and vapor

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Not available

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/.../equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wear protective gloves/protective clothing/eye protection/face protection
Keep cool

In case of fire: Use CO2, dry chemical, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep container tightly closed
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>100</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you

Product code: HP602  
Product name: ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention if irritation develops.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Symptoms
- Causes eye irritation
- Coughing and wheezing
- Dyspnea (Difficulty breathing and shortness of breath)
- Central nervous system effects
- Dizziness
- Drowsiness
- Narcosis
- May cause cardiovascular effects
- Causes digestive (gastrointestinal) tract irritation
- May cause nausea and vomiting
- May cause metabolic acidosis
- Sweating and flushing of skin

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media
Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Alcohol-resistant foam. Water spray.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Specific hazards: Highly flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. 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.
Special Protective Actions for Firefighters

Specific Methods: 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.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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 and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth).

Methods for cleaning up: Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe 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.

Conditions for safe storage, including any incompatibilities


Incompatible Materials: Oxidizing agents.

Product code: HP602
Product name: ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
8. EXPOSURE CONTROLS/PERSOANL PROTECTION

Control parameters

National occupational exposure limits

United States

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<th>Components</th>
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<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WEEL</th>
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<td>400 ppm TWA</td>
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<td>1400 mg/m³ TWA</td>
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Canada

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<th>Canada - Ontario</th>
<th>Canada - Quebec</th>
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<td>1440 mg/m³ TWA</td>
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Australia and Mexico

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<th>Mexico</th>
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</thead>
<tbody>
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<td>400 ppm TWA</td>
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<td></td>
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<td>1400 mg/m³ TWA</td>
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<tr>
<td></td>
<td></td>
<td>720 mg/m³ TWA</td>
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</tbody>
</table>

Appropriate engineering controls

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.

Individual protection measures, such as personal protective equipment

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.
10. STABILITY AND REACTIVITY

Reactivity
Reactive with oxidizing agents
Reacts with strong bases
Reactive with acids

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur


Incompatible Materials:
- Oxidizing agents
- Acids
- Bases
- Chlorosulfonic acid

Physical state: Liquid

Odor:
Ether-like. Fruity.

Taste

Molecular/Formula weight (g/mole): 88.11

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions:
Hazardous polymerization does not occur

Conditions to avoid:

Incompatible Materials:
- Oxidizing agents
- Acids
- Bases
- Chlorosulfonic acid

Physical state: Liquid

Odor:
Ether-like. Fruity.

Taste

Molecular/Formula weight (g/mole): 88.11

Flash Point Tested according to:
Closed cup: 426.6 °C/800 °F
Open cup: 426.6 °C/800 °F

Autoignition Temperature (°C/°F):
426.6 °C/800 °F

Melting point/range(°C/°F):
-83 °C/-117.4 °F

Boiling point/range(°C/°F):
77 °C/170.6 °F

Specific gravity:
0.9003 @ 20 °C
0.894-0.898 @ 25 °C

Evaporation rate:
6.2 (butyl acetate = 1)

Odor threshold (ppm):
1.0-4.0

Miscibility:
Miscible with Chloroform

Solubility:
Soluble in Ether
Soluble in hot 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
Hazardous decomposition products:
Carbon monoxide. Carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Skin. Eyes. Inhalation.

Acute Toxicity

Component Information

<table>
<thead>
<tr>
<th>Ethyl Acetate</th>
<th>CAS-No.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>141-78-6</td>
</tr>
</tbody>
</table>

LD50/oral/rat = 5620 mg/kg Oral LD50 Rat  
LD50/oral/mouse = 4100 mg/kg  
LD50/dermal/rabbit = 20 mL/kg Dermal LD50 Rabbit  
LD50/dermal/rat = No information available  
LC50/inhalation/rat = 16000 ppm 6 hr  
LD50/dermal/rabbit = > 18000 mg/kg  
LD50/dermal/rabbit = No information available  
Other LD50 or LC50 information = 4935 mg/kg LD50 Oral Rabbit  
5500 mg/kg LD50 Oral Guinea Pig

Product Information

LD50/oral/rat =  
VALUE- Acute Tox Oral = 5620 mg/kg

LD50/oral/mouse =  
Value - Acute Tox Oral = 4100 mg/kg

LD50/dermal/rabbit  
VALUE-Acute Tox Dermal = > 18000 mg/kg

LD50/dermal/rat  
VALUE-Acute Tox Dermal = No information available

LC50/inhalation/rat  
VALUE-Vapor = No information available  
VALUE-Gas = 4000 ppm (4-hr)  
VALUE-Dust/Mist = No information available

Product code: HP602  
Product name: ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

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. Inhalation of high concentrations of vapor may cause anesthetic effects. Inhalation of high concentrations of vapors may cause dizziness or suffocation. It 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 (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).

Aspiration hazard
No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

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 inhalation may cause loss of appetite. Prolonged or repeated exposure may affect the heart.

Sensitization: No information available.

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

Carcinogenic effects: Not considered carcinogenic.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>IARC</th>
<th>ACGIH - Carcinogens</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
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</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
**Reproductive toxicity**
- No data is available

**Reproductive Effects:**
- No information available

**Developmental Effects:**
- No information available

**Teratogenic Effects:**
- No information available

**Specific Target Organ Toxicity**
- **STOT - single exposure**: Respiratory system. Central nervous system.
- **STOT - repeated exposure**:
  - No information available.

**Target Organs:**

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity**
- Ecotoxicity effects: Aquatic environment.

**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
  - 484 mg/L LC50 Oncorhynchus mykiss 96 h flow-through 1
  - 1352 - 500 mg/L LC50 Oncorhynchus mykiss 96 h semi-static 1
- **Water Flea Data:**
  - 560 mg/L EC50 Daphnia magna 48 h

- **Persistence and degradability:** No information available
- **Bioaccumulative potential:** No information available
- **Mobility:** No information available

### 13. DISPOSAL CONSIDERATIONS

**Disposal Methods**
- **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

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
</tr>
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<td>Ethyl Acetate</td>
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<td>None</td>
<td>U112 ignitable waste</td>
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### 14. TRANSPORT INFORMATION

**DOT**
- **UN-No:** Not Regulated

**Product code:** HP602
**Product name:** ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
<table>
<thead>
<tr>
<th><strong>Proper Shipping Name:</strong></th>
<th>Ethyl acetate</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hazard Class:</strong></td>
<td>3</td>
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<tr>
<td><strong>Subsidiary Class:</strong></td>
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<tr>
<td><strong>Packing group:</strong></td>
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<tr>
<td><strong>Emergency Response Guide Number:</strong></td>
<td>No information available</td>
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<tr>
<td><strong>Marine Pollutant:</strong></td>
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<tr>
<td><strong>DOT RQ (lbs):</strong></td>
<td>No information available</td>
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<tr>
<td><strong>Special Provisions:</strong></td>
<td>No Information available</td>
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<tr>
<td><strong>Symbol(s):</strong></td>
<td>[DOT]: (R5) - Identifies a material that is a hazardous substance that has a reportable quantity (RQ) of 5000 pounds (2270 Kilograms).</td>
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<td><strong>Description:</strong></td>
<td>UN1173,Ethyl acetate,3,,PG II</td>
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</tbody>
</table>

**TDG (Canada)**

| **UN-No:** | UN1173 |
| **Proper Shipping Name:** | Ethyl acetate |
| **Hazard Class:** | 3 |
| **Subsidiary Risk:** | No information available |
| **Packing Group:** | II |
| **Marine Pollutant:** | No Information available |
| **Description:** | ETHYL ACETATE,3,UN1173,PG II |

**ADR**

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

**IMO / IMDG**

| **UN-No:** | UN1173 |
| **Proper Shipping Name:** | Ethyl acetate |
| **Hazard Class:** | 3 |
| **Subsidiary Risk:** | No information available |
| **Packing Group:** | II |
| **Marine Pollutant:** | No information available |
| **EMS:** | F-E |

**RID**

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

**ICAO**

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

**IATA**

| **UN-No:** | UN1173 |
| **Proper Shipping Name:** | Ethyl acetate |

**Product code:** HP602  
**Product name:** ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 3L
Special Provisions No information available
Description: UN1173, Ethyl acetate, 3, PG II

15. REGULATORY INFORMATION

International Inventories

<table>
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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>U.S. TSCA</th>
<th>KOREA KECL</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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<td>141-78-6</td>
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<td>Present KE-00047</td>
<td>Present</td>
<td>Present (2)-726</td>
<td>Present</td>
<td>Present</td>
<td>Present 205-500-4</td>
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U.S. Regulations

Ethyl Acetate
- Massachusetts RTK: Present
- New Jersey RTK Hazardous Substance List: 0841
- New Jersey - Discharge Prevention - List of Hazardous Substances: Present
- Pennsylvania RTK: Environmental hazard
- Pennsylvania RTK - Environmental Hazard List: Present
- Minnesota - Hazardous Substance List: Present
- New York Release Reporting - List of Hazardous Substances: 5000 lb RQ, 1 lb RQ
- Louisiana Reportable Quantity List for Pollutants: 5000 lb final RQ, 2270 kg final RQ
- California Directors List of Hazardous Substances: Present
- FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 182.60
- FDA - Direct Food Additives: 21 CFR 173.228
- FDA - 21 CFR - Total Food Additives 172.560, 172.859, 173.228, 175.320, 177.1200, 182.60, 73.1


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)

<table>
<thead>
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<th>Components</th>
<th>CAS-No.</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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<tbody>
<tr>
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CERCLA/SARA

<table>
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<th>CAS-No.</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPOs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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<tbody>
<tr>
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U.S. TSCA

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<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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Product code: HP602
Product name: ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Ethyl Acetate | 141-78-6 | Not Applicable | Not Applicable

**Canada**

**WHIMIS 2015 - GHS Classifications**

WHIMIS 2015 Hazard Classification Information:

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<th>Component</th>
<th>WHMIS 2015 Hazard Classification</th>
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<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.</td>
</tr>
</tbody>
</table>

**Canada Hazardous Products Regulation** This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR.

**Components**

<table>
<thead>
<tr>
<th>WHMIS Ingredient Disclosure List -</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
</tr>
</tbody>
</table>

**Inventory**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Canada (DSL)</th>
<th>Canada (NDSL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>Present</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CEPA Schedule I - Toxic Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>Not listed</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

**EU Classification**

**EU GHS - SV - CLP 1272/2008**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>EU GHS - SV - CLP (1272/2008)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>Flammable liquids - Flam. Liq. 2: H225 Highly flammable liquid and vapour.; Serious Eye Damage/Eye Irritation - Eye Irrit. 2: H319 Causes serious eye irritation.; Specific target organ toxicity - Single exposure - STOT SE 3: H336 May cause drowsiness or dizziness.; Supplemental Hazards: EUH066 Repeated exposure may cause skin dryness or cracking.607-022-00-5</td>
</tr>
</tbody>
</table>

**EU - CLP (1272/2008)**

**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 diziness.

**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.

**Product code:** HP602  **Product name:** ETHYL ACETATE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
S33 - Take precautionary measures against static discharges.

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl Acetate</td>
<td>141-78-6</td>
<td>F; R11</td>
<td>No information</td>
<td>S16 S26 S33</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Xi; R36</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>R66</td>
<td></td>
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<td></td>
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<td>R67</td>
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</tr>
</tbody>
</table>

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

Preparation Date: 5/1/2014
Revision Date: 9/14/2018
Prepared by: Sonia Owen

Disclaimer:
All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) 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 SDS. The physical properties reported in this SDS 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 SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet