SAFETY DATA SHEET

Preparation Date: 8/28/2015
Revision Date: 10/25/2016
Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: E1024
Product Name: 2-ETHOXYETHYL ACETATE, REAGENT

Other means of identification
Synonyms:
- 2-Ethoxyethanol acetate
- 2-Ethoxyethanol, ester with acetic acid
- 2-Ethoxyethyl acetate
- Acetic acid, 2-ethoxyethyl ester
- Cellosolve acetate
- EGEEA
- Ektasolve EE acetate solvent
- Ethoxy acetate
- Ethoxyethyl acetate
- Ethylene glycol ethyl ether acetate
- Ethylene glycol monoethyl ether acetate
- Ethylglycol acetate
- Glycol ether EE acetate
- Glycol monoethyl ether acetate
- Oxytol acetate
- Poly-Solv EE acetate
- beta-Ethoxyethyl acetate

CAS #: 111-15-9
RTECS #: KK8225000
Cl#: Not available

Recommended use of the chemical and restrictions on use

Recommended 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
Chemetrec 1-800-424-9300

Contact Person:
- Martin LaBenz (West Coast)
- 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>Acute toxicity - Inhalation (Gases)</th>
<th>Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Inhalation (Vapors)</td>
<td>Category 4</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2B</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 3</td>
</tr>
</tbody>
</table>

**Label elements**

**Danger**

**Hazard statements**
- Harmful if inhaled
- Causes mild skin irritation
- Causes eye irritation
- May damage fertility or the unborn child
- Flammable liquid and vapor

**Hazards not otherwise classified (HNOC)**
Not Applicable

**Other hazards**
- May be harmful if swallowed
- Causes mild skin irritation

**Precautionary Statements - Prevention**
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Avoid breathing dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Wash face, hands and any exposed skin thoroughly after handling
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Do not eat, drink or smoke when using this product
- Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**
*IF exposed or concerned: Get medical advice/attention*
- IN CASE OF FIRE: Use dry chemical, water spray, alcohol-resistant foam or CO2 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 skin irritation occurs: Get medical advice/attention
- IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**Precautionary Statements - Storage**
- Store locked up
- Store in a well-ventilated place. Keep cool

**Product code:** E1024  
**Product name:** 2-ETHOXYETHYL ACETATE, REAGENT
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</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 have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention if irritation occurs. If symptoms persist, call a physician.

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


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: Dry chemical. Carbon dioxide (CO2). Water spray, mist, or foam.

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 Oxides.
Specific hazards: Flammable. May be ignited by heat, sparks or flames. 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). Container explosion may occur under fire conditions or when heated. 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 large fires, flood the area with large quantities of water. Use water fog (spray) to knock down vapors.

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: Remove all sources of ignition. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use spark-proof tools and explosion-proof equipment. All equipment used when handling the product must be grounded.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not let this chemical enter the environment.

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). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up: Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. 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. Avoid contact with skin, eyes and clothing. Use only in well-ventilated areas. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Keep away from heat and sources of ignition. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Product code: E1024 Product name: 2-ETHOXYETHYL ACETATE, REAGENT
Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

**Incompatible Materials:**
- Nitrates
- Strong oxidizing agents
- Alkalis
- Strong acids
- Strong bases

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**National occupational exposure limits**

**United States**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>540 mg/m³ TWA</td>
<td>0.5 ppm TWA</td>
<td>5 ppm TWA</td>
<td>None</td>
</tr>
</tbody>
</table>

**Canada**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Canada - Alberta</th>
<th>Canada - British Columbia</th>
<th>Canada - Ontario</th>
<th>Canada - Quebec</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>5 ppm TWA</td>
<td>5 ppm TWA</td>
<td>5 ppm TWA</td>
<td>5 ppm TWAEV</td>
</tr>
</tbody>
</table>

**Australia and Mexico**

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Australia</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>5 ppm TWA</td>
<td>50 ppm TWA</td>
</tr>
</tbody>
</table>

**Appropriate engineering controls**

**Engineering measures to reduce exposure:**
Ensure adequate ventilation, especially in confined areas. 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 or Safety glasses with side-shields
- **Skin and body protection:** Chemical resistant apron. Gloves. Long sleeved clothing.
- **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.

### 9. PHYSICAL AND CHEMICAL PROPERTIES
10. STABILITY AND REACTIVITY

Reactivity
Reactive with strong oxidizing agents
Reacts with strong acids giving off Carbon dioxide
Reacts with strong bases
Reacts with nitrates

Chemical stability
Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat, flames and sparks. Ignition sources. Incompatible materials.

Incompatible Materials:
- Nitrides
- Strong oxidizing agents
- Alkalis
- Strong acids
- Strong bases

Hazardous decomposition products:
Carbon oxides.
11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

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

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

- **ATEmix (oral)**: 500 mg/kg
- **ATEmix (dermal)**: 1100 mg/kg
- **ATEmix (inhalation-gas)**: 4500 mg/l
- **ATEmix (inhalation-dust/mist)**: 1.5 mg/l

Component Information

### 2-Ethoxyethyl Acetate

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CAS-No.</strong></td>
<td>111-15-9</td>
</tr>
<tr>
<td><strong>LD50/oral/rat</strong></td>
<td>2700 mg/kg</td>
</tr>
<tr>
<td><strong>LD50/oral/mouse</strong></td>
<td>&gt;3200 mg/kg</td>
</tr>
<tr>
<td><strong>LD50/dermal/rabbit</strong></td>
<td>10000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>10500 uL/kg</td>
</tr>
<tr>
<td><strong>LD50/dermal/rat</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>LC50/inhalation/rat</strong></td>
<td>12100 mg/m³</td>
</tr>
<tr>
<td><strong>LC50/inhalation/mouse</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Other LD50 or LC50 information</strong></td>
<td>1910 mg/kg</td>
</tr>
<tr>
<td></td>
<td>1950 mg/kg</td>
</tr>
<tr>
<td></td>
<td>&gt;19560 mg/kg</td>
</tr>
<tr>
<td></td>
<td>&gt;2000 ppm</td>
</tr>
</tbody>
</table>

Product Information

- **LD50/oral/rat**
  - VALUE - Acute Tox Oral = 2700 mg/kg
- **LD50/oral/mouse**
  - Value - Acute Tox Oral = No information available
- **LD50/dermal/rabbit**
  - VALUE Acute Tox Dermal = 10000 mg/kg
- **LD50/dermal/rat**
  - VALUE - Acute Tox Dermal = No information available
- **LC50/inhalation/rat**
  - VALUE - Vapor = 12100 mg/m³
  - VALUE - Gas = No information available
  - VALUE - Dust/Mist = No information available
- **LC50/inhalation/mouse**
  - VALUE - Vapor = No information available
  - VALUE - Gas = No information available

Product code: E1024
Product name: 2-ETHOXYETHYL ACETATE, REAGENT
VALUE - Dust/Mist = No information available

**Symptoms**

**Skin Contact:** Mild skin irritation.

**Eye Contact:** Causes eye irritation.

**Inhalation** Harmful by inhalation. May cause acute solvent syndrome. Inhalation of high concentrations of vapor may cause anesthetic effects. May cause central nervous system effects, central nervous system depression. It may affect the liver. May affect the kidneys.

**Ingestion** May be harmful if swallowed. May affect the kidneys (albuminuria, hematuria). It may cause central nervous system depression. May cause abdominal pain, nausea, vomiting, diarrhea. May cause central nervous system effects similar to those of inhalation.

**Aspiration hazard** No information available.

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

**Chronic Toxicity** Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Chronic exposure may affect the liver, kidneys, and blood. Chronic exposure may cause central nervous system effects.

**Sensitization:** No information available.

**Mutagenic Effects:** No information available

**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>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</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)

**IARC** (International Agency for Research on Cancer)

**NTP** (National Toxicology Program)

**OSHA** (Occupational Safety and Health Administration of the US Department of Labor)

**Reproductive toxicity** May damage fertility or the unborn child

**Reproductive Effects:** May cause adverse reproductive effects based on animal data

Category 2: Substances which should be regarded as if they impair fertility in humans

May decrease fertility in males and females

May cause harm to the unborn child

**Developmental Effects:** May cause adverse developmental effects based on animal data

May cause developmental abnormalities

**Teratogenic Effects:** May cause birth defects (teratogenic effects) based on animal test data

**Specific Target Organ Toxicity**

<table>
<thead>
<tr>
<th>STOT - single exposure</th>
<th>No information available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>STOT - repeated exposure</td>
<td>No information available.</td>
</tr>
</tbody>
</table>

**Product code:** E1024  **Product name:** 2-ETHOXYETHYL ACETATE, REAGENT
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

2-Ethoxyethyl Acetate - 111-15-9

Freshwater Fish Species Data:
- 45 - 52 mg/L LC50 Lepomis macrochirus 96 h static 1
- 41 mg/L LC50 Lepomis macrochirus 96 h flow-through 1
- 42.2 mg/L LC50 Pimephales promelas 96 h flow-through 1

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. Do not re-use empty containers, Dispose of as unused product.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT

UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Subsidiary Class: No information available
Packing group: III
Emergency Response Guide Number: 129

Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: B1, IB3, T2, TP1
Symbol(s): No information available
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

TDG (Canada)

UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III

Product code: E1024  Product name: 2-ETHOXYETHYL ACETATE, REAGENT
Marine Pollutant: No Information available
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

ADR
UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Packing Group: III
Subsidiary Risk: No information available
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

IMO / IMDG
UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No information available
EMS: F-E
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

RID
UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

ICAO
UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

IATA
UN-No: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 3L
Special Provisions: No information available
Description: UN1172, Ethylene glycol monoethyl ether acetate, 3, III

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<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>
</tr>
</thead>
</table>

U.S. Regulations

Product code: E1024
Product name: 2-ETHOXYETHYL ACETATE, REAGENT
2-Ethoxyethyl Acetate

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: 0840 3138
New Jersey (EHS) List: 3138 500 lb TPQ
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental Hazard
Pennsylvania RTK - Environmental Hazard List Present
Minnesota - Hazardous Substance List: Present (skin)
Louisiana Reportable Quantity List for Pollutants: 100 lb RQ 5000 lb RQ
California Directors List of Hazardous Substances: Present


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:
WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>Not Listed</td>
<td>Developmental toxicity</td>
<td>Male reproductive toxicity</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>

CERCLA/SARA

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>1.0% de minimis concentration</td>
</tr>
</tbody>
</table>

U.S. TSCA

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) -Health and Safety Reporting</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>40 CFR 721.10001</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Canada

WHMIS hazard class:
B3  Combustible liquid
D2A Very toxic materials

Components
2-Ethoxyethyl Acetate  B3  D2A

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.

<table>
<thead>
<tr>
<th>Components</th>
<th>WHMIS Ingredient Disclosure List -</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>0.1 %</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>2-Ethoxyethyl Acetate</td>
<td>111-15-9</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>
</table>

Product code: E1024  Product name: 2-ETHOXYETHYL ACETATE, REAGENT
2-Ethoxyethyl Acetate 111-15-9 Present

EU Classification

R-phrase(s)
R10 - Flammable.
R60 - May impair fertility.
R61 - May cause harm to the unborn child.
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

S-phrase(s)
S25 - Avoid contact with eyes.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S53 - Avoid exposure - obtain special instructions before use.
S1/2 - Keep locked up and out of the reach of children.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

<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>2-Ethoxyethyl Acetate</td>
<td>111-15-9</td>
<td>R10 Xn; R20/21/22 Repr.Cat.2; R60-61</td>
<td>No information</td>
<td>SS3 S45</td>
</tr>
</tbody>
</table>

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

Indication of danger:
Flammable
Xn - Harmful.
Xi - Irritant.

Xn  Xi

16. OTHER INFORMATION

Preparation Date: 8/28/2015
Revision Date: 10/25/2016
Prepared by: Roumann Pangilinan

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