SAFETY DATA SHEET: 2-ETHOXYETHYL ACETATE

1. IDENTIFICATION

Product Name: 2-ETHOXYETHYL ACETATE
Synonyms: Ethylene glycol monoethyl ether acetate; Glycol ether EEA; Cellosolve® acetate; EGEEA
Formula and Formula Weight: CH₃COOH₂CH₂OC₂H₅  132.16
Integra numbers beginning with: E762.50
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

INTEGRA Chemical Company
24 Hour Emergency Response: CHEMTREC 800-424-9300 (Outside USA 703-527-3887)
1216 6th Ave N
Kent WA 98032
Phone: 253-479-7000

2. HAZARDS IDENTIFICATION

OSHA Classification: Hazard Category: Hazard Statement:
Acute Toxicity - Dermal 4 Harmful in contact with skin.
Acute Toxicity - Inhalation 4 Harmful if inhaled.
Toxic to Reproduction 1B May damage fertility or the unborn child.
Flammable Liquids 3 Flammable liquid and vapor.

Signal Word: DANGER

Precautionary Statements

Prevention:
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
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.
Avoid breathing fume, gas, mist, vapors, spray.
Use only outdoors or in a well-ventilated area.
Wear protective gloves, protective clothing, eye protection, face protection.

Response
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water, shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If exposed or concerned: Get medical advice, attention.
Call a poison center, doctor if you feel unwell.
Specific treatment (see first aid section on this label)
Take off contaminated clothing and wash it before reuse.

Storage
Store locked up in a well ventilated place. Keep cool.

Disposal
Dispose of contents, container in accordance with all governmental regulations.

Hazards Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>Synonyms</th>
<th>CAS #</th>
<th>% Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Ethoxyethyl Acetate</td>
<td>Ethylene glycol monoethyl ether acetate; Glycol ether EEA; Cellosolve® acetate; EGEEA</td>
<td>00111-15-9</td>
<td>100</td>
</tr>
</tbody>
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4. FIRST AID MEASURES

Inhalation: Remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult administer oxygen. Seek medical attention.
Eye Contact: Flush eyes with water for at least 15 minutes. Seek immediate medical attention.
Skin Contact: Remove contaminated clothing. Flush skin with plenty of water. Seek medical attention.
Ingestion: Rinse mouth and give victim large quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention.
9. PHYSICAL AND CHEMICAL PROPERTIES

Apearance: Clear, colorless liquid
Odor: Ether-like odor
Odor Threshold: 0.182 ppm
pH: Not available
Melting/Freezing Point: -62 °C
Initial Boiling Point and Boiling Range: 156 °C
Flash Point: 52 °C
Evaporation Rate: 0.21 Butyl Acetate=1
Flammability: Not available
Flammable or Explosive
  Upper: 14
  Lower: 1.3
Vapor Pressure: 2.0 mm Hg @20°C
Vapor Density: 4.7
Relative Density: 0.97 Water=1
Solubility: Soluble in water
Partition Coefficient: n-octanol/water 0.24
Auto-Ignition Temperature: 379 °C
Decomposition Temperature: Not available
Viscosity: Not available

10. STABILITY AND REACTIVITY

OSHA SDS #: 25597 rev 101 11.11.2015  2-ETHOXYETHYL ACETATE
Reactivity: No information available
Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Conditions to Avoid: Heat, sparks and open flame.
Incompatibles: Incompatible with strong acids, strong bases, strong oxidizers. Nitrates.
Decomposition Products: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:
Inhalation: Harmful if inhaled. Symptoms include respiratory tract irritation, coughing, dizziness, dullness and headache. High concentrations can produce central nervous system depression, narcosis and unconsciousness.
Skin Contact: Contact with skin may be irritating. Material may be absorbed through the skin in harmful amounts.
Eye Contact: May irritate or burn the eyes.
Ingestion: Harmful if swallowed. Ingestion may cause headache, dizziness, nausea, vomiting, gastrointestinal irritation. Central nervous system depression.
Chronic Effects: Liver damage, kidney damage.
Target Organs: Eyes, skin, respiratory system, liver, kidneys, central nervous system. Blood, testes, reproductive system, gastrointestinal tract.
Additional Effects: May aggravate pre-existing skin disorders, liver disorders, kidney and blood conditions.
Reproductive Effects: In tests with laboratory animals, exposure to this chemical has caused embryonic death, fetal death, fetal malformations and damage to male reproductive organs.
Carcinogenicity: None identified

Toxicity Data:
2-Ethoxyethyl Acetate 10500 mg/kg LD50 (skin, rabbit)
12100 mg/m3/8H LC50 (inhalation, rat)
2700 mg/kg LD50 (oral, rat)

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data:
2-Ethoxyethyl Acetate EC50 Water flea: 193.6 mg/L - 48h

Terrestrial Toxicity Data:
Persistance and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is a regulated material for domestic ground transporation, per CFR Title 49.
UN Number: UN1172
Proper Shipping Name: Ethylene glycol monoethyl ether acetate
Packing Group: III
Hazard Class: 3
Environmental hazards: No information available
Special precautions: No information available
Bulk transport: No information available

15. REGULATORY INFORMATION

2-Ethoxyethyl Acetate is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 25597 rev 101 11.11.2015

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****