

## Electro Solv- 5 Gallon

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 1 - IDENTIFICATION

#### 1.1 Product Identifier

**Product Name** : *Electro Solv- 5 Gallon*  
**Manufacturer Product Number** : *1046A-5*

#### 1.2 Other Means of Identification

**Other Identifiers** : *Not Available*

#### 1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

**Recommended Use** : *Electric/electronic cleaner and degreaser*  
**Restrictions on Use** : *None Identified*

#### 1.4 Supplier Details

|                     | Manufacturer Details  | Supplier Details  |
|---------------------|---|---|
| <b>Company Name</b> | <i>Chem-Pak Inc</i>   | <i>Chem-Pak Inc</i>   |
| <b>Address</b>      | <i>242 Corning Way, Martinsburg, WV 25405 - United States</i> | <i>242 Corning Way, Martinsburg, WV 25405 - United States</i> |
| <b>Phone Number</b> | <i>304-262-1880</i>   | <i>304-262-1880</i>   |
| <b>Fax Number</b>   | <i>304-262-9643</i>   | <i>304-262-9643</i>   |
| <b>Email</b>        | <i>msds@chem-pak.com</i>                                      |   |
| <b>Website</b>      | <i>http://www.chem-pak.com</i>                                |   |

#### 1.5 24 hr Emergency Phone Number

**Emergency Number** : *800-255-3924*

### SECTION 2 - HAZARDS IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

|                          |             |                              |  |
|--------------------------|-------------|------------------------------|--|
| <i>Flam. Liq. 2</i>      | <i>H225</i> | <i>Physical Hazards</i>      | <i>Flammable liquids Category 2</i>  |
| <i>Skin Irrit. 2</i>     | <i>H315</i> | <i>Health Hazards</i>        | <i>Skin corrosion/irritation Category 2</i>                                  |
| <i>Eye Irrit. 2</i>      | <i>H319</i> | <i>Health Hazards</i>        | <i>Serious eye damage/eye irritation Category 2</i>                          |
| <i>Repr. 2</i>           | <i>H361</i> | <i>Health Hazards</i>        | <i>Reproductive toxicity Category 2</i>                                      |
| <i>Stot Se 3</i>         | <i>H336</i> | <i>Health Hazards</i>        | <i>Specific target organ toxicity (single exposure) Category 3, Narcosis</i> |
| <i>Stot Re 2</i>         | <i>H373</i> | <i>Health Hazards</i>        | <i>Specific target organ toxicity (repeated exposure) Category 2</i>         |
| <i>Asp. Tox. 1</i>       | <i>H304</i> | <i>Health Hazards</i>        | <i>Aspiration hazard Category 1</i>  |
| <i>Aquatic Acute 3</i>   | <i>H402</i> | <i>Environmental Hazards</i> | <i>Hazardous to the aquatic environment - Acute Hazard Category 3</i>        |
| <i>Aquatic Chronic 2</i> | <i>H411</i> | <i>Environmental Hazards</i> | <i>Hazardous to the aquatic environment - Chronic Hazard Category 2</i>      |

#### 2.2 Label Elements

**Hazard Pictograms**



**Signal Word**

Danger

**Hazard Statements**

*H225* : *Highly flammable liquid and vapour*  
*H304* : *May be fatal if swallowed and enters airways*  
*H315* : *Causes skin irritation*  
*H319* : *Causes serious eye irritation*  
*H336* : *May cause drowsiness or dizziness*  
*H361* : *Suspected of damaging fertility or the unborn child*



# SAFETY DATA SHEET

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|                                 |  |   |
|---------------------------------|--|---|
| <b>Precautionary Statements</b> | H373   | : May cause damage to organs through prolonged or repeated exposure   |
|                                 | H402   | : Harmful to aquatic life   |
|                                 | H411   | : Toxic to aquatic life with long lasting effects   |
|                                 | P202   | : Do not handle until all safety precautions have been read and understood.   |
|                                 | 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 vapors.  |
|                                 | P264   | : Wash hands thoroughly after handling.   |
|                                 | P271   | : Use only outdoors or in a well-ventilated area.   |
|                                 | P273   | : Avoid release to the environment.   |
|                                 | P280   | : Wear protective gloves and eye protection.  |
|                                 | P301+P310  | : If swallowed: Immediately call POISON CENTER  |
|                                 | 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 |
|                                 | P308+P313  | : If exposed or concerned: Get medical advice/attention.  |
| P314                            | : Get medical advice/attention if you feel unwell.   |   |
| P331                            | : Do NOT induce vomiting.  |   |
| P332+P313                       | : If skin irritation occurs: Get medical advice/attention.   |   |
| P337+P313                       | : If eye irritation persists: Get medical advice/attention.  |   |
| P362+P364                       | : Take off contaminated clothing and wash it before reuse.   |   |
| P370+P378                       | : In case of fire: Use water, CO2, dry chemical, or universal aqueous film forming foam to extinguish. |   |
| P391                            | : Collect spillage.  |   |
| P403+P233                       | : Store in a well-ventilated place. Keep container tightly closed.                                     |   |
| P235                            | : Keep cool.   |   |
| P405                            | : Store locked up.   |   |
| P501                            | : Dispose of contents/container to local regulations   |   |

### 2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : None Identified.

### 2.4 Unknown acute toxicity

81.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
81.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance / Mixture

Substance / Mixture : Mixture

### 3.2 Composition

| Substance name | CAS Number | % wt* | Classification   |
|----------------|------------|-------|--|
| Isohexane      | 107-83-5   | >= 60 | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>STOT SE 3, H336<br>Asp. Tox. 1, H304<br>Aquatic Chronic 2, H411 |



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| Substance name    | CAS Number | % wt*   | Classification  |
|-------------------|------------|---------|---|
| Isopropyl Alcohol | 67-63-0    | 10 - 30 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319<br>STOT SE 3, H336  |
| N-Hexane          | 110-54-3   | 1 - 5   | Flam. Liq. 2, H225<br>Skin Irrit. 2, H315<br>Repr. 2, H361<br>STOT SE 3, H336<br>STOT RE 2, H373<br>Asp. Tox. 1, H304<br>Aquatic Acute 2, H401<br>Aquatic Chronic 2, H411 |

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

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

## SECTION 4 - FIRST-AID MEASURES

### 4.1 Description of First-Aid Measures

|                                       |   |
|---------------------------------------|---|
| <b>General Measures</b>               | : Call a physician immediately.   |
| <b>Inhalation</b>                     | : Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms persist or if unconscious.   |
| <b>Skin Contact</b>                   | : Remove with soap and water, rinsing and repeating for 15 minutes. Use skin cream to counter any resulting dryness. Consult a physician if irritation continues. If large skin area is affected, remove contaminated clothing. . Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| <b>Eye Contact</b>                    | : Immediately rinse with water for a prolonged period while holding the eyelids wide open. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.   |
| <b>Ingestion</b>                      | : Do NOT induce vomiting. Drink plenty of water. Do not give milk/oil to drink. Do NOT induce vomiting. Call a physician immediately.   |
| <b>First-Aid Responder Protection</b> | : Wear adequate personal protective equipment based on the nature and severity of the emergency.  |

### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

|                             |   |
|-----------------------------|---|
| <b>Symptoms of Exposure</b> | : Eye Irritation, Nose Irritation, Lassitude (Weakness), Dermatitis, Headache, Dizziness, Nausea, Chemical Pneumonitis (Aspiration Liquid), Numbness. |
| <b>Delayed Effects</b>      | : No known delayed effects.   |
| <b>Immediate Effects</b>    | : No known immediate effects.   |
| <b>Chronic Effects</b>      | : No known chronic effects.   |
| <b>Target Organs</b>        | : Central Nervous System, Eyes, Peripheral Nervous System, Respiratory System, Skin.  |

### 4.3 Indication of Immediate Medical Attention and Special Treatment

|                                      |   |
|--------------------------------------|---|
| <b>Notes to Physician</b>            | : Treat symptomatically.  |
| <b>Specific Treatments/Antidotes</b> | : No Information Available.   |
| <b>Medical Conditions Aggravated</b> | : May aggravate personnel with pre-existing disorders associated with any of the Target Organs. |

## SECTION 5 - FIRE-FIGHTING MEASURES

### 5.1 Suitable Extinguishing Media

|                            |   |
|----------------------------|---|
| <b>Extinguishing Media</b> | : Water, carbon dioxide, dry chemical, universal aqueous film forming foam. |
| <b>Unsuitable Media</b>    | : Water.  |

### 5.2 Specific Hazards Arising from the Chemical or Mixture

|   |   |
|---|---|
| <b>Hazardous Combustion Products</b>        | : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.   |
| <b>Specific Hazards During Firefighting</b> | : CONTENTS HIGHLY FLAMMABLE. In a fire or if heated, a pressure increase will occur which may result in container bursting. Vapors heavier than air may spread along the ground and travel to an ignition source. |



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## 5.3 Special Protective Actions for Fire-Fighters

- Firefighting Instructions** : Use water spray to cool fire exposed containers, as contents can rupture violently from heat developed pressure.
- Protection during Firefighting** : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- For Non-Emergency Personnel** : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill. Remove ignition sources and provide adequate ventilation only if it is safe to do so.
- For Emergency Personnel** : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

### 6.2 Environmental Precautions

- Environmental Precautions** : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

### 6.3 Methods and Materials for Containment and Cleaning up

- Containment Procedures** : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
- Cleanup Procedures** : Remove sources of ignition and use non-sparking equipment. Soak up material with inert absorbent and place in safety containers for proper disposal.
- Other Information** : The North American Emergency Response Guidebook or similar resources providing emergency response information for dealing with accidents, spills, leaks, and/or fires involving dangerous goods.
- Prohibited Materials** : Combustible absorbent material such as sawdust. Use of equipment that may cause sparking.

## SECTION 7 - HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

- General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN. When using in spray application, conformance to NFPA 33 Spray Application using Flammable and Combustible Materials is recommended.
- Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use. Remove contaminated clothing and protective equipment before entering eating or smoking areas.

### 7.2 Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** : Storage of flammable materials should conform to NFPA 30 Flammable and Combustible Liquid. Keep containers tightly closed and stored in a well-ventilated place. Keep away from sources of ignition.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.

## SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control Parameters

#### Isohexane (107-83-5)

|       |                                    |          |
|-------|------------------------------------|----------|
| ACGIH | ACGIH TWA (mg/m <sup>3</sup> )     | 500 ppm  |
| ACGIH | ACGIH Ceiling (mg/m <sup>3</sup> ) | 1000 ppm |
| OSHA  | OSHA PEL (TWA) (ppm)               | 500 ppm  |
| NIOSH | US IDLH (ppm)                      | 1100 ppm |
| NIOSH | NIOSH REL (TWA) (ppm)              | 50 ppm   |

#### N-Hexane (110-54-3)

|       |                                      |                        |
|-------|--------------------------------------|------------------------|
| ACGIH | ACGIH TWA (mg/m <sup>3</sup> )       | 50 ppm                 |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> )  | 1800 mg/m <sup>3</sup> |
| OSHA  | OSHA PEL (TWA) (ppm)                 | 500 ppm                |
| NIOSH | US IDLH (ppm)                        | 1100 ppm               |
| NIOSH | NIOSH REL (TWA) (mg/m <sup>3</sup> ) | 180 mg/m <sup>3</sup>  |
| NIOSH | NIOSH REL (TWA) (ppm)                | 50 ppm                 |



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### N-Hexane (110-54-3)

|                           |   |                       |
|---------------------------|---|-----------------------|
| California                | California PEL (TWA) (mg/m <sup>3</sup> )                                     | 180 mg/m <sup>3</sup> |
| California                | California PEL (TWA) (ppm)  | 50 ppm                |
| Biological Exposure Index | 2,5-Hexanedion in urine (without hydrolysis), End of shift at end of workweek | 0.4 mg/l              |

### Isopropyl Alcohol (67-63-0)

|            |  |                        |
|------------|--|------------------------|
| ACGIH      | ACGIH TWA (mg/m <sup>3</sup> )             | 200 ppm                |
| ACGIH      | ACGIH Ceiling (mg/m <sup>3</sup> )         | 400 ppm                |
| OSHA       | OSHA PEL (TWA) (mg/m <sup>3</sup> )        | 980 mg/m <sup>3</sup>  |
| OSHA       | OSHA PEL (TWA) (ppm)                       | 400 ppm                |
| NIOSH      | US IDLH (ppm)                              | 2000 ppm               |
| NIOSH      | NIOSH REL (TWA) (mg/m <sup>3</sup> )       | 980 mg/m <sup>3</sup>  |
| NIOSH      | NIOSH REL (TWA) (ppm)                      | 400 ppm                |
| NIOSH      | NIOSH REL (STEL) (mg/m <sup>3</sup> )      | 1225 mg/m <sup>3</sup> |
| NIOSH      | NIOSH REL (STEL) (ppm)                     | 500 ppm                |
| California | California PEL (TWA) (mg/m <sup>3</sup> )  | 980 mg/m <sup>3</sup>  |
| California | California PEL (TWA) (ppm)                 | 400 ppm                |
| California | California PEL (STEL) (mg/m <sup>3</sup> ) | 1225 mg/m <sup>3</sup> |
| California | California PEL (STEL) (ppm)                | 500 ppm                |

## 8.2 Exposure Controls

### Engineering Measures

: Use only with adequate ventilation. General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Local exhaust ventilation or an enclosed handling system may be necessary to control air contamination below that of the lowest OEL from the table above.

### Personal Protective Equipment

#### Eye / Face Protection

: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling. Where eye contact with this material could occur, chemical splash proof goggles are recommended.

#### Hand Protection

: Chemical-resistant gloves, tested according to ASTM F903 - 17.

#### Remarks

: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.

#### Skin and Body Protection

: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or repeated contact could occur, use protective clothing impervious to the ingredients listed in Section 2.

#### Respiratory Protection

: Respiratory protection is not anticipated to be needed.

#### Compliance

: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.

#### Other Protective Equipment

: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.

### Environmental Exposure Controls

: Avoid release to the environment.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Physical Properties

|                     |                            |                                  |                         |
|---------------------|----------------------------|----------------------------------|-------------------------|
| Boiling Point       | > 58.33 °C                 | Melting / Freezing Point         | > -153.70 °C            |
| Flash Point, Liquid | > -27.00 °C                |                                  |                         |
| Explosive Limits    | LEL: 1.10 UEL: 12.00 vol % | Autoignition Temperature, Liquid | > 225.00 °C             |
| Flammability        | Highly Flammable Liquid    | Density                          | 0.700 g/cm <sup>3</sup> |
| Molecular Weight    | Not Available              | Weight                           | 5.842 lbs/gal           |
| Vapor Pressure      | Not Available              | pH                               | Not Available           |
| Vapor Density       | Not Available              | Evaporation Rate (nBac=1)        | Not Available           |
| Viscosity           | Not Available              | Partition Coefficient (Log Pow)  | Not Available           |
| Odor Threshold      | Not Available              | Refractive Index                 | Not Available           |
| Physical State      | Liquid                     | Heat Of Combustion               | Not Available           |
| Appearance / Color  | Clear, Colorless           | Water Solubility                 | Not Available           |
| Odor                | Petroleum-like             | Decomposition Temperature        | Not Available           |

### 9.2 Environmental Properties

|                  |             |                |                           |
|------------------|-------------|----------------|---------------------------|
| Percent Volatile | 100.00 % wt | VOC Regulatory | 699.70 g/L (5.84 lbs/gal) |
| Percent VOC      | 100.00 % wt | VOC Actual     | 700.00 g/L (5.84 lbs/gal) |



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|                           |           |                                |                         |
|---------------------------|-----------|--------------------------------|-------------------------|
| Percent HAP               | 0.00 % wt | HAP Content                    | 0.00 g/L (0.00 lbs/gal) |
| Global Warming Potential  | 0.00 GWP  | Maximum Incremental Reactivity | 1.2640 g O3/g           |
| Ozone Depletion Potential | 0.00 ODP  |                                |                         |

## SECTION 10 - STABILITY AND REACTIVITY

### 10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

### 10.2 Chemical Stability

Chemical Stability : This product is stable.

### 10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.

### 10.4 Conditions to Avoid

Conditions to Avoid : Electrostatic Discharge, Other Ignition Sources, Heat, Flames, Sparks.

### 10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Aluminum, Halogen Compounds, Acid Anhydrides, Acids, Chlorosulfuric Acid, Chlorine, Potassium Chlorate, Dinitrogen Tetroxide, Chlorine Dioxide.

### 10.6 Hazardous Decomposition Products

Thermal Decomposition : Oxides of carbon.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects

#### Isohexane (CAS: 107-83-5 / EC: 203-523-4)

LC50 Inhalation (Rat) : > 3125 (Chevron Phillips SDS)

#### N-Hexane (CAS: 110-54-3 / EC: 203-777-6)

LD50 Oral (Rat) : 29700 mg/kg (RTECS)

LD50 Dermal (Rabbit) : > 3350 mg/kg body weight (ChemInfo)

LC50 Inhalation (Rat) : 38500 ppm/4h (ChemInfo)

#### Isopropyl Alcohol (CAS: 67-63-0 / EC: 200-661-7)

LD50 Oral (Rat) : 5045 mg/kg (RTECS)

LD50 Dermal (Rabbit) : 12870 mg/kg (ChemInfo)

LC50 Inhalation (Rat) : 73 mg/l/4h (Lit.)

LC50 Inhalation (Rat) : 17000 ppm/4h (ChemInfo)

Routes Of Exposure : Eye Contact, Ingestion, Skin Contact, Inhalation, Skin Absorption.

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure : See Section 4.2

Skin Corrosion/Irritation : Causes skin irritation.

Eye Damage/Irritation : Causes serious eye irritation.

Respiratory or Skin Sensitization : Not classified

Germ Cell Mutagenicity : Not classified

Reproductive Toxicity : Suspected of damaging fertility or the unborn child.

STOT-Single Exposure : May cause drowsiness or dizziness.

STOT-Repeated Exposure : May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard : May be fatal if swallowed and enters airways.

Carcinogen Data : None of the ingredients in the product are listed with EU, IARC, or NTP as being suspected or known carcinogen in a concentration greater than 0.1% by weight.



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### SECTION 12 - ECOLOGICAL INFORMATION

#### 12.1 Ecotoxicity and Ecological Properties

##### Isohexane (107-83-5)

|                           |                        |
|---------------------------|------------------------|
| BCF Fish                  | 356 (BCF)              |
| Log Pow                   | 3.74 (Estimated value) |
| Bioaccumulative Potential | Bioaccumulative.       |

##### n-Hexane (110-54-3)

|                           |   |
|---------------------------|---|
| LC50 Fish                 | 2.5 mg/l Fathead Minnow - 96h                     |
| EC50 Daphnia              | 3878 mg/l Water Flea - 48hr                       |
| Theoretical Oxygen Demand | 3.52 g O <sub>2</sub> /g substance                |
| BCF Fish                  | 501.187 (BCF; Other; Pimephales promelas)         |
| Log Pow                   | 3.9   |
| Bioaccumulative Potential | Potential for bioaccumulation (500 ≤ BCF ≤ 5000). |
| Log Koc                   | 2.17  |

##### Isopropyl Alcohol (67-63-0)

|                               |   |
|-------------------------------|---|
| LC50 Fish                     | 9640 mg/l Fathead Minnow - 96h  |
| EC50 Daphnia                  | 13299 mg/l Water Flea - 48hr  |
| EC50 Other Aquatic Organisms  | > 2000 mg/l Green Algae - 72hr  |
| Persistence and Degradability | Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. No (test) data on mobility of the substance available. |
| Biochemical Oxygen Demand     | 1.19 g O <sub>2</sub> /g substance  |
| Chemical Oxygen Demand        | 2.23 g O <sub>2</sub> /g substance  |
| Theoretical Oxygen Demand     | 2.4 g O <sub>2</sub> /g substance   |
| Biodegradation                | 95 % 21 DAY   |
| BCF Fish                      | -2  |
| Log Pow                       | 0.05 (Weight of evidence approach; Other; 25 °C)  |
| Bioaccumulative Potential     | Low potential for bioaccumulation (Log Kow < 4).  |
| Log Koc                       | 1.4   |

### SECTION 13 - DISPOSAL CONSIDERATIONS

#### 13.1 Waste Treatment Methods

- Waste Disposal** : Product is suitable for burning in an enclosed, controlled burner for fuel value. Hazard characteristics and regulatory waste stream classification can change with product use and location. Accordingly, it is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste material must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
- Waste Disposal Of Packaging** : Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.
- Landfill Precautions** : Not Available.
- Incineration Precautions** : Not Available.

### SECTION 14 - TRANSPORTATION INFORMATION

| 14.1 UN Number                  | DOT (USA)   | IATA (AIR)  | IMDG (OCEAN)  |
|---------------------------------|---|---|---|
| UN Number                       | : UN1993  | UN1993  | UN1993  |
| 14.2 UN Proper Shipping Name    | DOT (USA)   | IATA (AIR)  | IMDG (OCEAN)  |
| UN Proper Shipping Name         | : Flammable Liquid, NOS (Contains Isohexane, Isopropyl Alcohol, & N-Hexane) | Flammable Liquid, NOS (Contains Isohexane, Isopropyl Alcohol, & N-Hexane) | Flammable Liquid, NOS (Contains Isohexane, Isopropyl Alcohol, & N-Hexane) |
| 14.3 Transport Hazard Class(es) | DOT (USA)   | IATA (AIR)  | IMDG (OCEAN)  |
| Transport Hazard Class(es)      | : 3   | 3   | 3   |





# SAFETY DATA SHEET

Part No. 1046A-5 (Liquid)

Print Date: 8/29/2018  
 Revision Date: 8/29/2018  
 Supersedes Date: 3/8/2016  
 Issue Date: 8/5/2009  
 Version: 5.0 (EN)-US  
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## Electro Solv- 5 Gallon

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Labels : None 3 - Flammable liquid None



EmS Code : Not Applicable Not Applicable F-E, S-E

### 14.4 Packing Group DOT (USA) IATA (AIR) IMDG (OCEAN)

Packing Group : II II II

### 14.5 Environmental Hazards DOT (USA) IATA (AIR) IMDG (OCEAN)

Marine Pollutant : No No No

### 14.6 Special Precautions

Precautions : None Identified

### 14.7 Transport in Bulk

Remarks : Not applicable for product as supplied

## SECTION 15 - REGULATORY INFORMATION

### 15.1 Federal Regulations

SARA Section 313 : Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

|                   |                  |          |
|-------------------|------------------|----------|
| n-Hexane          | CAS-No. 110-54-3 | 1 - 5%   |
| Isopropyl Alcohol | CAS-No. 67-63-0  | 10 - 30% |

TSCA Section 12(b) : This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D

CERCLA Reportable Quantity : Chemical(s) subject to reporting requirements of Section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) if released to the environment at or above the reportable quantity

|          |                  |         |
|----------|------------------|---------|
| n-Hexane | CAS-No. 110-54-3 | 5000 lb |
|----------|------------------|---------|

SARA Section 311/312 Hazard Classes : None under normal use.

TSCA Inventory (United States) : All chemical substances in this product are either listed on the Toxic Substances Control Act (TSCA) Inventory or are in compliance with a TSCA Inventory exemption.

### 15.2 State Regulations

California Proposition 65 : This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

|                     |                             |     |         |
|---------------------|-----------------------------|-----|---------|
| n-Hexane (110-54-3) | Reproductive Toxicity, Male | Yes | 3.125 % |
|---------------------|-----------------------------|-----|---------|

State Right-to-Know Lists : The following chemical(s) appear on one or more state RTK (Right to Know) lists as indicated

|                             |  |
|-----------------------------|--|
| Isohexane (107-83-5)        | U.S. - New Jersey - Right to Know Hazardous Substance List   |
| n-Hexane (110-54-3)         | U.S. - New Jersey - Right to Know Hazardous Substance List<br>U.S. - Pennsylvania - RTK (Right to Know) List |
| Isopropyl Alcohol (67-63-0) | U.S. - New Jersey - Right to Know Hazardous Substance List   |

## SECTION 16 - OTHER INFORMATION

Indication of changes :

| Section | Changed item                         | Change   |
|---------|--------------------------------------|----------|
| 4       | Symptoms/effects after ingestion     | Modified |
| 4       | Symptoms/effects after eye contact   | Modified |
| 4       | Symptoms/effects after skin contact  | Modified |
| 4.1     | First-aid measures after ingestion   | Modified |
| 4.1     | First-aid measures after eye contact | Modified |
| 4.1     | First-aid measures general           | Modified |
| 4.1     | First-aid measures after inhalation  | Modified |





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|      |  |          |
|------|--|----------|
| 4.1  | First-aid measures after skin contact        | Modified |
| 8.2  | Compliance                                   | Added    |
| 8.2  | Remarks                                      | Added    |
| 8.2  | Hand Protection                              | Added    |
| 8.2  | Environmental Exposure Controls              | Added    |
| 8.2  | Respiratory Protection                       | Added    |
| 9    | Relative vapor density at 20 °C              | Added    |
| 9    | Melting point                                | Added    |
| 9    | Flash point                                  | Added    |
| 9    | Explosive limits (vol %)                     | Added    |
| 9    | Boiling point                                | Added    |
| 9    | Auto-ignition temperature                    | Added    |
| 9    | Appearance                                   | Added    |
| 9    | Specific gravity / density                   | Added    |
| 9    | Odor   | Modified |
| 12.1 | Ecology - general                            | Modified |
| 14   | User Precautions                             | Added    |
| 14   | EmS Code (Column 15 in IMDG Book 2)          | Added    |
| 15   | Select the Appropriate Proposition 65 Notice | Modified |

**Full Text of H-Statements**

| H Code | H Phrase  |
|--------|---|
| H225   | Highly flammable liquid and vapour                                |
| H304   | May be fatal if swallowed and enters airways                      |
| H315   | Causes skin irritation  |
| H319   | Causes serious eye irritation                                     |
| H336   | May cause drowsiness or dizziness                                 |
| H361   | Suspected of damaging fertility or the unborn child               |
| H373   | May cause damage to organs through prolonged or repeated exposure |
| H401   | Toxic to aquatic life   |
| H411   | Toxic to aquatic life with long lasting effects                   |

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