1 Identification

- **Product identifier**
- **Product name:** A-SOLV ICP Solvent [1 Gal bottle]
- **Part number:** 5190-8717

2 Hazard identification

- **Classification of the substance or mixture**
- **GHS08 Health hazard**
- **Aspiration Hazard - Category 1 H304 May be fatal if swallowed and enters airways.**
- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**
- **GHS08**

- **Signal word** Danger
- **Hazard-determining components of labeling:**
  - White mineral oil, petroleum
  - Kerosine : distillates, hydrotreated light (D94/69 p1249) 4
- **Hazard statements**
  - H304 May be fatal if swallowed and enters airways.
- **Precautionary statements**
  - P301+P310 If swallowed: Immediately call a poison center/doctor.
  - P331 Do NOT induce vomiting.
  - P405 Store locked up.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Classification system:**
- **NFPA ratings (scale 0 - 4)**
  - Health = 0
  - Fire = 1
  - Reactivity = 0

(Contd. on page 2)
Product name: A-SOLV ICP Solvent [1 Gal bottle]

- **HMIS-ratings (scale 0 - 4)**
  - **HEALTH**
    - Health = 0
  - **FIRE**
    - Fire = 1
  - **REACTIVITY**
    - Reactivity = 0

- **3 Composition/Information on ingredients**
  - **Chemical characterization:** Mixtures
  - **Description:** Mixture consisting of the following components.

  - **Dangerous components:**
    - CAS: 8042-47-5 | White mineral oil, petroleum
    - RTECS: PY8047000
    - Aspiration Hazard - Category 1, H304
    - >60-≤80% w/w
    - CAS: 64742-47-8 | Kerosine : distillates, hydrotreated light (D94/69 p1249) 4
    - RTECS: OA5504000
    - Aspiration Hazard - Category 1, H304
    - >10-≤30% w/w

  Actual concentration ranges are withheld as a trade secret.

- **4 First aid measures**
  - **Description of first aid measures**
    - **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
    - **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
    - **After eye contact:** Rinse opened eye for several minutes under running water.
    - **After swallowing:**
      - Rinse mouth. Do not induce vomiting.
      - Immediately call a doctor.
  - **Information for doctor:**
    - **Most important symptoms and effects, both acute and delayed** No further relevant information available.
    - **Indication of any immediate medical attention and special treatment needed**
      - No further relevant information available.

- **5 Firefighting measures**
  - **Extinguishing media**
  - **Suitable extinguishing agents:**
    - CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - **Special hazards arising from the substance or mixture**
    - Formation of toxic gases is possible during heating or in case of fire.
  - **Advice for firefighters**
  - **Protective equipment:** Wear self-contained respiratory protective device.

- **6 Accidental release measures**
  - **Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
  - **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)
7 Handling and storage

- Handling:
- Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.
- Information about protection against explosions and fires: No special measures required.

- Conditions for safe storage, including any incompatibilities

- Storage:
- Requirements to be met by storerooms and receptacles:
  Please refer to the manufacturer's certificate for specific storage and transport temperature conditions.
  Store only in the original receptacle unless other advice is given on the CoA.
  Keep container in a well-ventilated place. Keep away from sources of ignition and heat.
- Information about storage in one common storage facility: Store away from foodstuffs.
- Further information about storage conditions: Keep receptacle tightly sealed.
- Specific end use(s) No further relevant information available.

8 Exposure controls/ Personal protection

- Additional information about design of technical systems: No further data; see item 7.

- Control parameters
- Components with limit values that require monitoring at the workplace:
  CAS: 64742-47-8 Kerosine : distillates, hydrotreated light (D94/69 p1249) 4
  EL Long-term value: 200 mg/m³

- Additional information: The lists that were valid during the creation were used as basis.

- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Wash hands before breaks and at the end of work.
- Breathing equipment:
  Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced
- Protection of hands:
  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)
The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374

- **Material of gloves**: Nitrile rubber, NBR
- **Penetration time of glove material**: The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection**: Safety glasses

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance**:
  - **Form**: Liquid
  - **Color**: Light yellow
  - **Odor**: Mineral-oil-like
  - **Odor threshold**: Not determined.
  - **pH-value**: Not determined.
- **Change in condition**
  - **Melting point/Melting range**: Not determined.
  - **Boiling point/Boiling range**: 223-300 °C
- **Flash point**: 95.5 °C
- **Flammability (solid, gaseous)**: Not determined.
- **Ignition temperature**: Not determined
- **Decomposition temperature**: Not determined.
- **Auto igniting**: Product is not selfigniting.
- **Danger of explosion**: Not determined.
- **Explosion limits**:
  - **Lower**: Not determined.
  - **Upper**: Not determined.
- **Vapor pressure**: Not determined.
- **Density at 20 °C**: 0.825 g/cm³
- **Relative density**: Not determined.
- **Vapor density**: Not determined.
- **Evaporation rate**: Not determined.
- **Solubility in / Miscibility with Water**: Not miscible or difficult to mix.

(Contd. on page 5)
10 Stability and reactivity

- Reactivity
  Stable under normal conditions.
  No further relevant information available.

- Chemical stability
  Stable under normal conditions.

- Thermal decomposition / conditions to be avoided:
  Formation of toxic gases is possible during heating or in case of fire.

- Possibility of hazardous reactions
  No dangerous reactions known.

- Conditions to avoid
  Heat.

- Incompatible materials:
  Strong oxidizing agents.

- Hazardous decomposition products:
  Formation of toxic gases is possible during heating or in case of fire.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:

  - LD/LC50 values that are relevant for classification:
    - CAS: 8042-47-5 White mineral oil, petroleum
      Oral [LD50] >5,000 mg/kg (rat)
    - CAS: 64742-47-8 Kerosine : distillates, hydrotreated light (D94/69 p1249) 4
      Oral [LD50] 2,835 mg/kg (rabbit)

- Primary irritant effect:
  - on the skin: Based on available data, the classification criteria are not met.
  - on the eye: Based on available data, the classification criteria are not met.

- Sensitization:
  Based on available data, the classification criteria are not met.

- Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations:

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is listed.

(Contd. on page 6)
12 Ecological information

- **Toxicity**
  - **Aquatic toxicity:**
    - CAS: 64742-47-8 Kerosine : distillates, hydrotreated light (D94/69 p1249) 4
      - LC50/96 h 2.6 mg/l (fish)
  - **Persistence and degradability** No further relevant information available.
  - **Behavior in environmental systems:**
  - **Bioaccumulative potential** No further relevant information available.
  - **Mobility in soil** No further relevant information available.
  - **Additional ecological information:**
    - **General notes:**
      - Water hazard class 1 (Self-assessment): slightly hazardous for water
      - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    - **Results of PBT and vPvB assessment**
      - **PBT:** Not applicable.
      - **vPvB:** Not applicable.
    - **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
  - **Recommendation:**
    - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
  - **Recommendation:** Dispose in accordance with national regulations.

14 Transport information

- **UN-Number**
  - DOT/TDG, ADR, ADN, IMDG, IATA Not applicable
  - DOT/TDG Not applicable
  - ADR, ADN, IMDG, IATA Not applicable
- **Transport hazard class(es)**
  - DOT, ADR, ADN, IMDG, IATA Not applicable
  - Class Not applicable
- **Packing group**
  - DOT/TDG, ADR, IMDG, IATA Not applicable
- **Environmental hazards:**
  - Not applicable.
- **Special precautions for user**
  - Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.
Product name: A-SOLV ICP Solvent [1 Gal bottle]

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Sara
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.
    - Section 313 (Specific toxic chemical listings):
      None of the ingredients is listed.
    - TSCA (Toxic Substances Control Act):
      All ingredients are listed.
  - Canadian substance listings:
    - Canadian Domestic Substances List (DSL)
      All ingredients are listed.
    - Canadian Ingredient Disclosure list (limit 0.1%)
      None of the ingredients is listed.
    - Canadian Ingredient Disclosure list (limit 1%)
      None of the ingredients is listed.
- Hazard pictograms
  
  GHS08

- Signal word Danger
- Hazard-determining components of labeling:
  White mineral oil, petroleum
  Kerosine: distillates, hydrotreated light (D94/69 p1249) 4
- Hazard statements
  H304 May be fatal if swallowed and enters airways.
- Precautionary statements
  P301+P310 If swallowed: Immediately call a poison center/doctor.
  P331 Do NOT induce vomiting.
  P405 Store locked up.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information contained in this document is based on Agilent’s state of knowledge at the time of preparation. No warranty as to its accurateness, completeness or suitability for a particular purpose is expressed or implied.
Product name: A-SOLV ICP Solvent [1 Gal bottle]

- Date of the latest revision of the safety data sheet: 04/04/2019
- Abbreviations and acronyms:
  - IMDG: International Maritime Code for Dangerous Goods
  - DOT: US Department of Transportation
  - IATA: International Air Transport Association
  - EINECS: European Inventory of Existing Commercial Chemical Substances
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - LC50: Lethal concentration, 50 percent
  - LD50: Lethal dose, 50 percent
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
- Sources
- Data compared to the previous version altered. All sections have been updated.