SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name: A-SOLV ICP Solvent [1 Gal bottle]

Part number: 5190-8717

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture
Reagents and Standards for Analytical Chemical Laboratory Use

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:
Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany

Further information obtainable from: e-mail: pdl-msds_author@agilent.com

1.4 Emergency telephone number:
CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

GHS08 health hazard

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS08

Signal word Danger

Hazard-determining components of labelling:
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.

2.3 Other hazards

Results of PBT and vPvB assessment
PBT: Not applicable.
Product name: A-SOLV ICP Solvent [1 Gal bottle]

Description: Mixture: consisting of the following components.

- **White mineral oil, petroleum**: RTECS: OA5504000, CAS: 64742-47-8, Asp. Tox. 1, H304, 50-95%
- **Kerosine : distillates, hydrotreated light (D94/69 p1249) 4**: RTECS: OA5504000, CAS: 64742-47-8, Asp. Tox. 1, H304, 10-25%

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
  - **After inhalation**: In case of unconsciousness place patient in recovery position for transport.
  - **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.
    Call for a doctor immediately.
  - **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
  - **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**SECTION 5: Firefighting measures**

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

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures** Wear protective clothing.
- **6.2 Environmental precautions**: Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up**: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated material as waste according to item 13.
- **6.4 Reference to other sections**
  See Section 7 for information on safe handling.
SECTION 7: Handling and storage

- 7.1 Precautions for safe handling: Store in cool, dry place in tightly closed receptacles.
- Information about fire - and explosion protection: No special measures required.
- 7.2 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 container tightly sealed.
- 7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters
  - Ingredients with limit values that require monitoring at the workplace:
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - Additional information: Lists used were valid at the time of SDS preparation.
- 8.2 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.
    - Respiratory protection:
      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.
      The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374

Protective gloves

- Material of gloves: Nitrile rubber, NBR

(Contd. on page 4)
**Product name:** A-SOLV ICP Solvent [1 Gal bottle]

(Contd. from page 3)

- **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

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### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

- **General Information**
  - **Appearance:** Liquid
  - **Colour:** Light yellow
  - **Odour:** Mineral-oil-like
  - **Odour threshold:** Not determined.
  - **pH-value:** Not determined.

- **Change in condition**
  - **Melting point/freezing point:** Not determined.
  - **Initial boiling point and boiling range:** 223-300 °C

- **Flash point:** 95.5 °C

- **Flammability (solid, gas):** Not determined.

- **Ignition temperature:** Not determined

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Product is not selfigniting.

- **Explosive properties:** Not determined.

- **Explosion limits:**
  - **Lower:** Not determined.
  - **Upper:** Not determined.

- **Vapour pressure:** Not determined.

- **Density at 20 °C:** 0.825 g/cm³
- **Relative density**
- **Vapour density**
- **Evaporation rate**

- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

- **Partition coefficient: n-octanol/water:** Not determined.

- **Viscosity:**
  - **Dynamic:** Not determined.
  - **Kinematic at 40 °C:** <10 mm²/s

- **9.2 Other information**
  No further relevant information available.

(Contd. on page 5)
SECTION 10: Stability and reactivity

- **10.1 Reactivity**
  Stable under normal conditions.
  No further relevant information available.
- **10.2 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.
- **10.3 Possibility of hazardous reactions**
  No dangerous reactions known.
- **10.4 Conditions to avoid**
  Heat.
- **10.5 Incompatible materials:**
  Strong oxidizing agents.
- **10.6 Hazardous decomposition products:**
  Formation of toxic gases is possible during heating or in case of fire.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
  - **Acute toxicity**
    Based on available data, the classification criteria are not met.
  - **LD/LC50 values 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:**
    - **Skin corrosion/irritation**
      Based on available data, the classification criteria are not met.
    - **Serious eye damage/irritation**
      Based on available data, the classification criteria are not met.
    - **Respiratory or skin sensitisation**
      Based on available data, the classification criteria are not met.
    - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
    - **Germ cell mutagenicity**
      Based on available data, the classification criteria are not met.
    - **Carcinogenicity**
      Based on available data, the classification criteria are not met.
    - **Reproductive toxicity**
      Based on available data, the classification criteria are not met.
    - **STOT-single exposure**
      Based on available data, the classification criteria are not met.
    - **STOT-repeated exposure**
      Based on available data, the classification criteria are not met.
  - **Aspiration hazard**
    May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

- **12.1 Toxicity**
  - **Aquatic toxicity:**
    - **CAS: 64742-47-8 Kerosine : distillates, hydrotreated light (D94/69 p1249) 4**
      LC50/96 h 2.6 mg/l (fish)
  - **12.2 Persistence and degradability**
    No further relevant information available.
  - **12.3 Bioaccumulative potential**
    No further relevant information available.
  - **12.4 Mobility in soil**
    No further relevant information available.
Product name: A-SOLV ICP Solvent [1 Gal bottle]

(Contd. from page 5)

- Additional ecological information:
  - General notes:
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product to reach ground water, water course or sewage system.
  - 12.5 Results of PBT and vPvB assessment
    - PBT: Not applicable.
    - vPvB: Not applicable.
  - 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods
  - Recommendation
    Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
  - European waste catalogue
    Waste disposal key numbers from EWC have to be assigned depending on origin and processing.
  - Uncleaned packaging:
    - Recommendation: Dispose of in accordance with national regulations.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, ADN, IMDG, IATA Not applicable
  - ADR, ADN, IMDG, IATA Not applicable
- 14.3 Transport hazard class(es)
  - ADR, ADN, IMDG, IATA Not applicable
  - Class Not applicable
- 14.4 Packing group
  - ADR, IMDG, IATA Not applicable
- 14.5 Environmental hazards:
  Not applicable.
- 14.6 Special precautions for user
  Not applicable.
- 14.7 Transport in bulk according to Annex II of
  Marpol and the IBC Code Not applicable.
- UN "Model Regulation": Not applicable

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - Directive 2012/18/EU
  - Named dangerous substances - ANNEX I None of the ingredients is listed.
  - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

(Contd. on page 7)
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**Product name:** A-SOLV ICP Solvent [1 Gal bottle]

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### SECTION 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.

**Abbreviations and acronyms:**
- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- 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)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Asp. Tox. 1: Aspiration hazard – Category 1

**Sources**

**Data compared to the previous version altered.** All sections have been updated.