1 Identification

- **Product identifier**
  - **Trade name:** Windshield Washer Fluid
  - **Article number:** 7031/89283
  - **Details of the supplier of the safety data sheet**
    - **Manufacturer/Supplier:** Auto-Gard Triple P Inc.
      7143 State Road 54 No. 119
      New Port Richey, FL 34653-6104
    - **Information department:** (727) 808-5613
    - **Emergency telephone number:** ChemTel Inc. (800) 255-3924 Intl. +01 (813) 248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**
  - GHS02 Flame
    Flam. Liq. 2 H225 Highly flammable liquid and vapor.
  - GHS08 Health hazard
    STOT SE 1 H370 Causes damage to organs.

- **Additional information:**
  This product contains Methanol (Methyl Alcohol) which is toxic by ingestion, skin absorption and inhalation especially to humans and other primates. It causes permanent blindness, neurological damage and damage to various internal organs most notably the kidneys. It cannot be made non-poisonous. Appropriate caution is therefore advised in its use with the wearing of requisite personal protective equipment, adequate ventilation in use and prompt removal of product from exposed skin by rinse off with copious quantities of water.

- **Label elements**
  - **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
  - **Hazard pictograms**
    - GHS02
    - GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  - methanol

- **Hazard statements**
  - Highly flammable liquid and vapor.
  - Causes damage to organs.

- **Precautionary statements**
  - If medical advice is needed, have product container or label at hand.
  - Keep out of reach of children.
  - Read label before use.
  - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Do not breathe dust/fume/gas/mist/vapors/spray.

(Contd. on page 2)
Trade name: Windshield Washer Fluid

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
- NFPA ratings (scale 0 - 4)
  - Health = 4
  - Fire = 3
  - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - HEALTH = *4
  - FIRE = 3
  - REACTIVITY = 0

- Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Purity</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-56-1 methanol</td>
<td>10-25%</td>
</tr>
<tr>
<td>66455-15-0 C10-12 6 Mole Linear Alcohol Ethoxylate</td>
<td>2.5-10%</td>
</tr>
</tbody>
</table>

4 First-aid measures

- Description of first aid measures
- General information:
  Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- After inhalation:
  Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
  Immediately rinse with water.
- After eye contact:
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Remove contact lenses if able to do so.
- After swallowing:
  Do not induce vomiting; immediately call for medical help. Seek immediate medical advice. A person vomiting while lying on their back should be turned onto their side.

Most important symptoms and effects, both acute and delayed
- Nausea
- Dizziness
- Unconsciousness
- Sensitivity to light
- Methaemoglobinaemia

(Contd. on page 3)
Trade name: Windshield Washer Fluid

(Contd. of page 2)

40.0

Headache
- Danger
  Danger of convulsion.
  Danger of cerebral edema.
  Causes Permanent Blindness
  Causes Internal Organ Damage, Kidneys.
- Indication of any immediate medical attention and special treatment needed
  Administration of beverage alcohol, (Ethanol / EthylAlcohol) may be partially antidotal in cases of Methanol Poisoning, this treatment should be given only under medical supervision or on the advice of a doctor.
  If swallowed, gastric irrigation with added, activated carbon.
  If swallowed or in case of vomiting, danger of entering the lungs.
  Medical supervision for at least 48 hours.

5 Fire-fighting 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 fully protective suit.
  Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  Do not allow product to reach sewage system or any water course.
  Inform respective authorities in case of seepage into water course or sewage system.
  Dilute with plenty of water.
  Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Precautions for safe handling
  Store in cool, dry place in tightly closed receptacles.
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- Information about protection against explosions and fires:
  Keep ignition sources away - Do not smoke.

(Contd. on page 4)
Trade name: Windshield Washer Fluid

Protect from heat.
Protect against electrostatic charges.

- Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles:
      Provide solvent resistant, sealed floor.
      Store in a cool location.
    - Information about storage in one common storage facility:
      Store away from oxidizing agents.
      Store away from foodstuffs.
    - Further information about storage conditions:
      Keep receptacle tightly sealed.
      Store in cool, dry conditions in well sealed receptacles.
      Protect from heat and direct sunlight.
  - 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:

    | Component      | PEL Long-term | PEL Short-term | REL Long-term | REL Short-term | TLV Long-term | TLV Short-term | BEI |
    |----------------|--------------|---------------|--------------|---------------|--------------|---------------|-----|
    | 67-56-1 methanol | 260 mg/m³, 200 ppm | 325 mg/m³, 250 ppm | 260 mg/m³, 200 ppm | 328 mg/m³, 250 ppm | 262 mg/m³, 200 ppm | 15 mg/L |     |

  - Ingredients with biological limit values:

    | Component      | BEI 15 mg/L |
    |----------------|-------------|
    | 67-56-1 methanol |             |

    - Medium: urine
    - Time: end of shift
    - Parameter: Methanol (background, nonspecific)

- 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.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
  - Breathing equipment:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Trade name: Windshield Washer Fluid

- **Protection of hands:**
  
  Protective gloves

  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.

- **Material of gloves**
  - Neoprene gloves
  - PVC or PE gloves
  - Butyl rubber, BR
  - Nitrile rubber, NBR

  The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Not suitable are gloves made of the following materials:**
  - Strong gloves
  - Leather gloves

- **Eye protection:**
  - Tightly sealed goggles

- **Body protection:** Solvent resistant protective clothing

### 9 Physical and chemical properties

- **Information on basic physical and chemical properties**

  - **General Information**
    - **Appearance:**
      - Form: Liquid
      - Color: Blue
    - **Odor:** Alcohol-like
    - **Odour threshold:** Not determined.
  
  - **pH-value at 20 °C (68 °F):** 7.5
  
  - **Change in condition**
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: 98 °C (208 °F)

  - **Flash point:** 11 °C (52 °F)

  - **Flammability (solid, gaseous):** Not applicable.

  - **Ignition temperature:** 455 °C (851 °F)

  - **Decomposition temperature:** Not determined.

  - **Auto igniting:** Product is not selfigniting.
### 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions**
  - Reacts with strong acids and oxidizing agents.
- **Flammable**
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:**
  - Formaldehyde
  - Carbon monoxide and carbon dioxide

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

  - **LD/LC50 values that are relevant for classification:**
    - 67-56-1 methanol
      - Oral LD50 5628 mg/kg (rat)
      - Dermal LD50 15800 mg/kg (rabbit)
Trade name: Windshield Washer Fluid

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.
- Additional toxicological information: Harmful

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - 1
  - NTP (National Toxicology Program)
    - None of the ingredients is listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    - None of the ingredients is listed.

12 Ecological information

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes:
    Water hazard class 2 (Self-assessment): hazardous for water
    Do not allow product to reach ground water, water course or sewage system.
    Danger to drinking water if even small quantities leak into the ground.
  - 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: Disposal must be made according to official regulations.
  - Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  - DOT, IMDG, IATA: UN1230
- UN proper shipping name
  - DOT: Methanol, mixture
  - IMDG, IATA: METHANOL, mixture
Trade name: Windshield Washer Fluid

- **Transport hazard class(es)**
  - DOT
    - Class 3 Flammable liquids
    - Label 3+6.1

- **IMDG, IATA**
  - Class 3 Flammable liquids
  - Label 3+6.1

- **Packing group**
  - DOT, IMDG, IATA II

- **Environmental hazards:**
  - Marine pollutant: No

- **Special precautions for user**
  - Danger code (Kemler): 336
  - EMS Number: F-E,S-D

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:**
  - DOT
    - Quantity limitations
      - On passenger aircraft/rail: 1 L
      - On cargo aircraft only: 60 L
  - IMDG
    - Limited quantities (LQ) 1L
    - Excepted quantities (EQ) Code: E2
      - Maximum net quantity per inner packaging: 30 ml
      - Maximum net quantity per outer packaging: 500 ml

- **UN "Model Regulation":** UN1230, Methanol, mixture, 3 (6.1), II

## 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):**
      - 67-56-1 methanol
Trade name: Windshield Washer Fluid

- **TSCA (Toxic Substances Control Act):**
  - 67-56-1 methanol
  - 66455-15-0 C10-12 6 Mole Linear Alcohol Ethoxylate
  - 7732-18-5 water, distilled, conductivity or of similar purity

- **Proposition 65**
  - **Chemicals known to cause cancer:**
    None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for females:**
    None of the ingredients is listed.
  - **Chemicals known to cause reproductive toxicity for males:**
    None of the ingredients is listed.
  - **Chemicals known to cause developmental toxicity:**
    67-56-1 methanol

- **Carcinogenic categories**
  - **EPA (Environmental Protection Agency)**
    None of the ingredients is listed.
  - **TLV (Threshold Limit Value established by ACGIH)**
    None of the ingredients is listed.
  - **NIOSH-Ca (National Institute for Occupational Safety and Health)**
    None of the ingredients is listed.

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**

  ![GHS02](Image)
  ![GHS08](Image)

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  methanol

- **Hazard statements**
  Highly flammable liquid and vapor.
  Causes damage to organs.

- **Precautionary statements**
  If medical advice is needed, have product container or label at hand.
  Keep out of reach of children.
  Read label before use.
  Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  Use explosion-proof electrical/ventilating/lighting/equipment.
  Do not breathe dust/fume/gas/mist/vapors/spray.
  IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
  Store locked up.
  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

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing SDS: Environment protection department.
- Date of preparation / last revision
  02/13/2015 / -
  02/17/2014
- 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
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  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)
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  Flam. Liq. 2: Flammable liquids, Hazard Category 2
  STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1