



CCI MANUFACTURING IL CORPORATION

15550 Canal Bank Rd., P.O. Box 339, Lemont, IL 60439 U.S.A.
 TEL +1-630-739-0606 FAX +1-630-739-1116

Safety Data Sheet

SDS No. 10640

Revision No. 02

Issue Date: October 30, 2015

Revision Date: August 22, 2018

Kia Windshield Washer Fluid (Concentrate)

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product : Kia Windshield Washer Fluid (Concentrate)

Synonyms : None

Product Part Number: 504201889

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

Windshield Washer Fluid

1.3 Detail of the supplier of the safety data sheet

Manufacturer	Name	CCI MANUFACTURING IL CORPORATION
	Address	15550 Canal Bank Road, Lemont, IL 60439
	Telephone	(630) 739-0606

1.4 Emergency telephone number

INFOTRAC: 1-800-535-5053 - DOMESTIC

1-352-323-3500 - INTERNATIONAL

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Health Hazard Classification:

Hazard	Category	Code
Acute Toxicity (Oral)	3	H301
Acute Toxicity (Dermal)	3	H311
Reproductive Toxicity	1	H360
Specific Target Organ Toxicity (Single Exposure)	1	H370

Physical Hazard Classification:

Hazard	Category	Code
Flammable Liquids	2	H225

2.2 Label elements

Hazard Pictograms



GHS06



GHS08



GHS02

Signal word Danger

Hazard statements

H301 Toxic if swallowed
 H311 Toxic in contact with skin
 H360 May damage fertility or the unborn child
 H370 Causes damage to organs
 H225 Highly flammable liquid and vapor


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Precautionary statements
Prevention

- P264 Wash face, hands and any exposed skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P260 Do not breathe mist/vapors/spray.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P233 Keep container tightly closed.
 P240 Ground and 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.

Response

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P330 Rinse mouth.
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.
 P361 + P364 Take off immediately all contaminated clothing and wash it before reuse.
 P308 + P313 IF exposed or concerned: Get medical advice/attention.
 P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.
 P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
 P370 + P378 In case of fire: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Storage

- P405 Store locked up.
 P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

- P501 Dispose of contents/container in accordance with applicable federal, state and local regulations.

2.3 Other hazards

Data not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS
3.2 Mixtures

<u>Components</u>	<u>CAS No.</u>	<u>Nominal %</u>	<u>Hazard Code</u>
Methyl Alcohol (Methanol)	67-56-1	More than 99%	H301, H311, H360, H370, H225

Proprietary items on this SDS are designated as trade secrets. Requests for disclosure of trade secret information will be made in accordance with the provisions contained in OSHA 29 CFR 1910.1200(i).

SECTION 4: FIRST AID MEASURES



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4.1 Description of first aid measures

Swallowing: If swallowed, do not induce vomiting. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

Skin Contact: Remove contaminated clothing and wash contaminated skin with large amounts of water. If irritation persists, contact physician.

Eye Contact: Flush eyes with water for at least 15 minutes. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

Inhalation: Remove patient from contaminated area. If breathing has stopped, give artificial respiration, then oxygen if needed. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

Inhalation: Extremely high levels cause stupor, headache, nausea, dizziness and unconsciousness.

Ingestion: Poisonous if swallowed. Can affect the optic nerve resulting in blindness. Can cause mental sluggishness, nausea and vomiting leading to severe illness, possibly death (in humans).

Eye Contact: May cause eye injury which may persist for several days. Liquid and vapor in high concentrations causes irritation, tearing and burning sensation.

Skin contact: Toxic in contact with skin.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. The severity of outcome following methanol ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure. Antidote is fomepizole which enhances elimination of metabolic formic acid. This must be administered by a physician only. For specialist advice physicians should contact the Poison Control Center.

SECTION 5 : FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Synthetic Fire fighting foam AR-FFF(3% solution). Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream. Water may be effective for cooling, diluting, or dispersing product, but may not be effective for extinguishing a fire because it will not cool the product below its flash point. If water is used for cooling, the solution will spread if not contained. Mixtures of the product and water at concentrations greater than 20% product are still considered flammable.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Highly flammable liquid and vapor. Can accumulate in confined spaces, resulting in a toxicity and flammability hazard. Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases. Under fire conditions closed containers may rupture or explode. Flame may be invisible during the day. The use of infrared and or heat detection devices is recommended.

Explosion hazard: May form flammable/explosive vapor-air mixture.

Reactivity: Stable under normal conditions.

5.3 Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any



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Protection during firefighting: chemical fire. Prevent fire-fighting water from entering environment. Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

General measures: Remove ignition sources. Use special care to avoid static electric charges. No naked lights. No smoking.

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Methanol's main physical behavior if spilled to water is described as "dissolves/evaporates" in the European Behavior Classification system for chemicals (reported in IMO (2011)). GESAMP hazard profile: methanol does not bioaccumulate and is readily biodegradable in the aquatic environment (IMO2011).

6.3 Method and material for containment cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions and safe handling

- Do not expose children and pets to this material.
- After handling product, wash thoroughly with soap and water before drinking, eating, or smoking.
- Keep away from heat, sparks and flame.
- Containers should be properly bonded and grounded before transferring contents to other containers.
- Use non-sparking tools and explosion-proof equipment when handling flammable liquids.

7.2 Conditions for safe storage, including any incompatibilities

- To prevent possible storage container rupture, do not permit to freeze. Incompatible with strong acids, oxidizers, bases and chromium trioxide, potassium permanganate, and sodium peroxide.
- Store in a cool, well-ventilated area and keep container closed.

7.3 Specific end use(s)

The identified uses for this product are detailed in section 1.2.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Component	CAS No.	Source	Exposure Limit
Methyl alcohol	67-56-1	US OSHA (PEL)	200 ppm (260 mg/m ³) TWA
		US ACGIH (TLV)	200 ppm (262 mg/m ³) TWA 250 ppm (328 mg/m ³) STEL BEI, Skin

8.2 Exposure controls



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Control Measures : Handle in the presence of adequate ventilation. Engineering controls should be used whenever feasible to maintain concentrations below acceptable exposure criteria, including enclosures and local exhaust ventilation.

Respiratory Protection : Where exposure is likely to exceed acceptable criteria and engineering controls are not feasible, use NIOSH/MSHA approved respiratory protection equipment. Respirators should be selected based on the form and concentration of contaminants in air and in accordance with OSHA (29 CFR 1910.134)

Protective Clothing : Wear gloves and protective clothing which are impervious to the product for the duration of exposure if there is potential for skin contact.

Eye Protection : Wear safety glasses meeting the specifications of ANSI Standard Z87.1 where no contact with the eye is anticipated. Chemical safety goggles meeting the specification of ANSI Standard Z87.1 should be worn whenever there is the possibility of splashing or other contact with the eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

Item	Value/Range
Appearance	Clear, light blue liquid
Odor	Methyl alcohol odor
Odor threshold	4.2-5,960 ppm(as methyl alcohol)
pH	8 (original)
Freezing point	Lower than -140°F(-95°C)
Initial boiling point and boiling range	149°F (65°C)
Flash point	54°F (12°C) Tag Closed Cup
Evaporation rate	4.1 butyl acetate=1 (as methyl alcohol)
Flammability(Solid, gas)	Data not available
Upper/Lower flammability or explosive limits	36.0/6.0 % (as methyl alcohol)
Vapor pressure	Estimated 96 mmHg at 20°C
Vapor Density (Air = 1)	1.11
Density (20°C)	0.8 g/cm ³
Solubility in Water	Infinite miscibility
Partition coefficient n-octanol/water	Data not available
Auto ignition temperature	464°C(as methyl alcohol)
Decomposition temperature	Data not available
Viscosity	0.8 cP(25°C, as methyl alcohol)

9.2 Other information

None



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SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity

Hazardous Polymerization : Not likely to occur

Conditions and Materials to Avoid : Avoid concentrated strong acids, oxidizing agents and bases. Keep away from heat, sparks and flame.

10.2 Chemical stability

Generally stable

10.3 Possibility of hazardous reactions

Under fire conditions closed containers may rupture or explode.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials

Oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products

Carbon monoxide. Carbon dioxide. May release flammable gases. Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Inhalation: The acute inhalation toxicities of the main components of this mixture are as follows:

Methyl alcohol

Acute inhalation LC50= 85.26mg/l (4h)(rat) (IUCLID)

Ingestion: Methyl alcohol

Acute oral LDLO= 143 mg/kg (human)

Acute oral LD50's = 1,187 - 2,769 mg/kg (rat)

Eye Contact: May cause eye injury which may persist for several days. Liquid and vapor in high concentrations causes irritation, tearing and burning sensation.

Skin Contact: The acute dermal LD50 of the major component (Methyl alcohol) of this product is 20,000mg/kg(rats).

Chronic Effects: No chronic or delayed effects have been identified.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecological information of the product : Data not available

Ecological information of the main ingredient of the product:

Methyl alcohol:

LC50 - Fish - 15,400 - 29,400 mg/l - 96 h



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12.2 Persistence and degradability

Readily biodegradable

12.3 Bioaccumulative potential

Methyl alcohol:

Bioaccumulative potential: Does not bioaccumulate

Partition coefficient n-octanol/water : -0.77

12.4 Mobility in soil

Methyl alcohol

Mobility: Mobile in soils

12.5 Results of PBT and vPvB assessment

Methyl alcohol

PBT/vPvB : This substance is not considered to be persistent, bioaccumulating nor toxic(PBT). This substance is not considered to be very persistent nor very bioaccumulating(vPvB).

12.6 Other adverse effects

Further information: Do not flush into surface water or sanitary sewer system.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal : Disposal should be made in accordance with applicable federal, state and local regulations. All recovered material should be packaged, labeled, transported, and disposed of or reclaimed in conformance with good engineering practices. Avoid land filling of liquids. Reclaim where possible.

SECTION 14 : TRANSPORT INFORMATION

14.1 UN number

UN1230

14.2 UN proper shipping name

RQ Methanol, 3, UN1230 II

14.3 Transport hazard class(es)

DOT Classification (Bulk) :	Class 3, UN1230
DOT Classification (Non-bulk) :	Methanol, 3, UN1230 II
IATA (Small pkg. and case goods):	Methanol 3(6.1) UN1230 II
IATA (bulk) :	Not allowed
IMDG Code (Non-bulk) :	Methanol 3(6.1) UN1230 II, COC, 12C

14.4 Packaging group

II - Medium Danger

14.5 Environmental hazards

No supplementary information available

14.6 Special precautions for user

Data not available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable


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SECTION 15 : REGULATORY INFORMATION
15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Toxic Substance Control Act

This product is a mixture; therefore, it is not listed in the TSCA Inventory of Chemical Substances. All of the components of the mixture are listed in or exempt from the TSCA Inventory of Chemical Substances.

SARA Hazard Categories (as defined in Section 311/312)

Health Immediate (Acute) and Delayed (Chronic)

Physical Fire

This product contains Methanol (CAS No. 67-56-1)

California Proposition 65


WARNING: This product can expose you to chemicals such as Methanol which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov/product.

Bittering Agent

This product contains bittering agent.

SECTION 16 : OTHER INFORMATION

NFPA Rating : Health (1) Fire (3) Reactivity (0)

Preparation information: Date of revision: August 22, 2018

The information presented herein is believed to be factual as it has been derived from the works and opinions of people believed to be qualified experts; however, nothing contained in this information is to be taken as a warranty or representation for which CCI MANUFACTURING IL CORPORATION bears legal responsibility. The user should review any recommendation in the specific context of intended use to determine whether they are appropriate.