



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team
Zep Inc.


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

Kia Windshield Washer Fluid (Concentrate)

SDS No. 10640	Revision No. 01	
Issue Date: October 30, 2015	Revision Date: October 4, 2016	

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

Window shield 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

CCI:	1-630-739-0606
INFOTRAC:	1-800-535-5053 - DOMESTIC
	1-352-323-3500 - INTERNATIONAL

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification :

Health Hazard Classification:

Acute Toxicity(Oral)	Category 3
Acute Toxicity(Dermal)	Not Classified
Acute Toxicity(Inhalation-Gases)	-
Acute Toxicity(Inhalation-Vapors)	Classification Not Possible
Acute Toxicity(Inhalation-Dusts)	Classification Not Possible
Acute Toxicity(Inhalation-Mists)	Classification Not Possible
Skin Corrosion/Irritation	Not Classified
Serious eye damage/Eye irritation	Not Classified
Respiratory of skin sensitization	Classification Not Possible
Germ cell mutagenicity	Classification Not Possible
Carcinogenicity	Classification Not Possible
Reproductive toxicity	Classification Not Possible
Specific target organ toxicity single exposure	Category 1
Specific target organ toxicity repeated or prolonged exposure	Not Classified
Aspiration hazard	Not Classified


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Physical Hazard Criteria

Explosives	-
Flammable gases	-
Flammable aerosols	-
Oxidizing gases	-
Gases under pressure	-
Flammable liquids	Category 2
Flammable solids	-
Self-reactive chemicals	-
Pyrophoric liquids	-
Pyrophoric solids	-
Self-heating chemicals	Classification Not Possible
Chemicals which, in contact with water, emit flammable gases	-
Oxidizing liquids	Classification Not Possible
Oxidizing solids	-
Organic peroxides	-
Corrosive to metals	Not Classified

2.2 Label elements
Hazard Pictograms


Signal word Danger

Hazard statements

Toxic if swallowed
 Causes damage to organs (eyes, skin, respiratory system, central nervous system, gastrointestinal tract)
 Highly flammable liquid and vapor

Precautionary statements
Prevention

Wash contact areas thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Do not breathe mist/vapors/spray.
 Keep away from heat/sparks/open flames/hot surfaces.- No smoking.
 Keep container tightly closed.
 Ground/Bond container and receiving equipment.
 Use explosion-proof electrical/ventilating/lighting/equipment.
 Use only non-sparking tools.


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Take precautionary measures against static discharge.

Wear protective gloves/eye protection/face protection

Response

If swallowed: Immediately call a poison center/doctor.

Rinse mouth.

If exposed: Call a poison center/doctor.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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

Store locked up.

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Other hazards Not known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

<u>Components</u>	<u>CAS No.</u>	<u>Nominal %</u>	<u>Hazard</u>	<u>PEL/TLV</u>	<u>Hazard</u>
			<u>Code</u>		
Methyl alcohol (Methanol)	67-56-1	More than 99	A	200 ppm	Flammable Causes damage to organs Harmful

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

For Overdose Exposure By :

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.


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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).

Acute oral LC50's = 4,700 mg/kg (rats) (Methyl Alcohol)

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 : Essentially non-irritating. Repeated or prolonged contact causes drying, brittleness, cracking and irritation.

Dermal LC50's = 20,000 mg/kg (rats) (Methyl Alcohol)

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 Centre.

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.



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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 normal conditions.

5.3 Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : 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.


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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

- 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.


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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

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:	148 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):	Not applicable
Upper/Lower flammability or explosive limits:	36.0/6.0 % (as methyl alcohol)
Vapor pressure :	12.8kPa(20C, as methyl alcohol)
Vapor Density (Air = 1) :	1.11
Density (20°C) :	0.8 g/cm ³
Solubility in Water :	Infinite miscibility
Partition coefficient n-octanol/water:	Not available
Auto ignition temperature:	464C(as methyl alcohol)
Decomposition temperature:	Not available
Viscosity:	0.8 cP(25C, as methyl alcohol)

9.2 Other information

None

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


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10.3 Possibility of hazardous reactions

Under fire conditions closed containers may rupture or explode.

10.4 Conditions to avoid

Avoid heat, sparks, 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 oral toxicity of the main components of this mixture are as follows :

Ingestion: Methyl alcohol

Acute oral LD50's = 4,700 mg/kg (rats)

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

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

Contact :

Chronic No chronic or delayed effects have been identified

Effects :

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 : No data available

Ecological information of the main ingredient of the product

Methyl alcohol :

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

12.2 Persistence and degradability

Readily biodegradable


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12.3 Bioaccumulative potential

Methyl alcohol

Bioaccumulation : 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

Methyl alcohol

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 (Non-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

No data available

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

No 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 or exempted from the TSCA Inventory of Chemical Substances.

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

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

Health: Immediate (Acute) and Delayed (Chronic)

Physical: Fire

California Proposition 65

This product contains Methanol (CAS No. 67-56-1) a chemical known to the state of California to cause reproductive toxicity.

Bittering Agent

This product contains bittering agent.

SECTION 16 : OTHER INFORMATION

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

Preparation information: Issue date October 30, 2015

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.