



Safety Data Sheet

Issue date 24-Sep-2018

Revision date 24-Sep-2018

Revision Number 1

1. IDENTIFICATION

Product identification

Product identifier Kent® Windshield Washer Additive
Other means of identification KT14236
Recommended use Fleet Maintenance
Restrictions on use For industrial use only

Supplier

Corporate Headquarters:
Kent Automotive
8770 W. Bryn Mawr Ave.- Suite 900
Chicago, IL 60631
(888)-937-5368

Canadian Distribution Center:
Lawson Canada
7315 Rapistan Court
Mississauga, ON L5N 5Z4
(800) 323-5922

24 Hour Emergency Phone Number (888) 426-4851 (Prosar)

2. HAZARD(S) IDENTIFICATION

Hazard Classification This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 1
Flammable liquids	Category 2

Symbol



Signal word DANGER

Hazard statements H225 - Highly flammable liquid and vapor

H351 - Suspected of causing cancer
H370 - Causes damage to organs

Precautionary statements**General**

P102 - Keep out of reach of children
P103 - Read label before use.

Prevention

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

Response**General**

P307 + P311 - IF exposed: Call a POISON CENTER or doctor/physician
P308 + P313 - IF exposed or concerned: Get medical advice/attention
P321 - For Specific treatment see section 4 of this sds

Skin

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Fire

P370 + P378 - In case of fire: Use appropriate method to extinguish

Storage

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

Disposal

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Hazard(s) Not Otherwise Classified (HNOC)

None known.

Physical Hazards Not Otherwise Classified (PHNOC)

None known.

Unknown acute toxicity

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS**Composition**

Mixture.

Chemical name	CAS-No	Weight %
Ethanol	64-17-5	30-60
Water	7732-18-5	15-40
Ethylene glycol	107-21-1	10-30
Methanol	67-56-1	1-10
Isopropyl alcohol	67-63-0	1-10

Methyl isobutyl ketone	108-10-1	0.1-1
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4. FIRST-AID MEASURES

Necessary first-aid measures

General Information	Call a POISON CENTER or doctor/physician.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Ingestion	Rinse mouth. Do NOT induce vomiting. Seek medical attention immediately.
Skin contact	Immediately wash with water and soap and rinse thoroughly. Remove and wash contaminated clothing before re-use. Seek medical attention immediately.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Most important symptoms (acute)	Not available.
Most important symptoms (over-exposure)	Not available.
Indication of any immediate medical attention and special treatment needed	Not available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Dry powder. Carbon dioxide (CO2). Water spray. Sand. Alcohol resistant foam.
Unsuitable extinguishing media	Heavy water stream.
Specific hazards	Highly flammable liquid and vapor. May form explosive mixtures with air.
Special protective equipment for fire-fighters	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Remove all sources of ignition. Take precautionary measures against static discharge. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Evacuate area of unprotected and unnecessary personnel. Put on appropriate personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray. Ventilate the area.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewers, basements, and confined areas. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Soak up with inert absorbent material. Absorb with earth, sand, or another dry inert material. Collect spillage. Store away from other materials.

7. HANDLING AND STORAGE

Precautions for safe handling	Handle empty containers with care because residual vapors are flammable. Wash hands with soap and water before eating, drinking, smoking, or using toilet facilities. Provide good ventilation in process area to prevent formation of vapor. Keep away from heat, hot
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surfaces, sparks, open flames and other ignition sources. No smoking. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Store in original container. Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Keep in fireproof place. Keep away from incompatible materials. Incompatible with strong acids and bases. Keep away from sources of heat and direct sunlight. Eliminate all sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical name	OSHA PEL (TWA)	ACGIH OEL (TWA)	NIOSH - TWA
Ethanol	1000 ppm TWA 1900 mg/m ³ TWA	1000 ppm STEL	1000 ppm TWA 1900 mg/m ³ TWA
Water	-	-	-
Ethylene glycol	-	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	-
Methanol	200 ppm TWA 260 mg/m ³ TWA	250 ppm STEL 200 ppm TWA Skin	250 ppm STEL 325 mg/m ³ STEL 200 ppm TWA 260 mg/m ³ TWA
Isopropyl alcohol	400 ppm TWA 980 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	500 ppm STEL 1225 mg/m ³ STEL 400 ppm TWA 980 mg/m ³ TWA
Methyl isobutyl ketone	100 ppm TWA 410 mg/m ³ TWA	75 ppm STEL 20 ppm TWA	75 ppm STEL 300 mg/m ³ STEL 50 ppm TWA 205 mg/m ³ TWA

Appropriate engineering controls

Ensure adequate ventilation.

Individual protection measures, such as personal protective equipment

Eye protection

Use safety eyewear designed to protect against splash of liquids. Wear safety glasses with side shields or goggles.

Skin and body protection

Wear protective gloves and protective clothing.

Respiratory protection

If the exposure limits are exceeded, a NIOSH/MSHA approved respirator is recommended.

Hygiene measures

General industrial hygiene practice. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

Canadian Province Occupational Exposure Limits

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
Ethanol	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1000 ppm	1250 ppm

Chemical name	Alberta OEL	British Columbia OEL	Manitoba OEL	New Brunswick - OEL	Newfoundland and Labrador - OEL	Nova Scotia - OEL	Ontario OEL	Prince Edward Island - OEL	Quebec OEL	Saskatchewan - OEL
	TWA 1880 mg/m ³	STEL	STEL	TWA 1880 mg/m ³	STEL	STEL	STEL	STEL	TWAEV 1880 mg/m ³	STEL 1000 ppm TWA
Water	-	-	-	-	-	-	-	-	-	-
Ethylene glycol	100 mg/m ³ Ceiling	100 mg/m ³ Ceiling 50 ppm Ceiling 20 mg/m ³ STEL 10 mg/m ³ TWA	25 ppm TWA 50 ppm STEL 10 mg/m ³ STEL	100 mg/m ³ Ceiling	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	100 mg/m ³ Ceiling	50 ppm STEL 10 mg/m ³ STEL 25 ppm TWA	50 ppm Ceiling 127 mg/m ³ Ceiling	100 mg/m ³ Ceiling
Methanol	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	200 ppm TWA 250 ppm STEL	250 ppm STEL 328 mg/m ³ STEL 200 ppm TWA 262 mg/m ³ TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEL 200 ppm TWA	250 ppm STEV 328 mg/m ³ STEV 200 ppm TWAEV 262 mg/m ³ TWAEV	250 ppm STEL 200 ppm TWA
Isopropyl alcohol	400 ppm STEL 984 mg/m ³ STEL 200 ppm TWA 492 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	200 ppm TWA 400 ppm STEL	500 ppm STEL 1230 mg/m ³ STEL 400 ppm TWA 983 mg/m ³ TWA	400 ppm STEL 200 ppm TWA	400 ppm STEL 200 ppm TWA	400 ppm STEL 200 ppm TWA	400 ppm STEL 200 ppm TWA	500 ppm STEV 1230 mg/m ³ STEV 400 ppm TWAEV 985 mg/m ³ TWAEV	400 ppm STEL 200 ppm TWA
Methyl isobutyl ketone	75 ppm STEL 307 mg/m ³ STEL 50 ppm TWA 205 mg/m ³ TWA	75 ppm STEL 20 ppm TWA	20 ppm TWA 75 ppm STEL	75 ppm STEL 307 mg/m ³ STEL 50 ppm TWA 205 mg/m ³ TWA	75 ppm STEL 20 ppm TWA	75 ppm STEL 20 ppm TWA	75 ppm STEL 20 ppm TWA	75 ppm STEL 20 ppm TWA	75 ppm STEV 307 mg/m ³ STEV 50 ppm TWAEV 205 mg/m ³ TWAEV	75 ppm STEL 50 ppm TWA

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Color	Blue
Odor	Characteristic
Odor threshold	No information available
pH	No data available
Melting point/range °C	Not available
Melting point/range °F	Not available
Boiling point/range °C	>64.4 °C
Boiling point/range °F	>148 °F
Flash point °C	13
Flash point °F	55.4

Flash point method used	Not available
Evaporation rate	No data available
Flammability (Solid, Gas)	Not available
Lower explosion limit	Not available
Upper explosion limit	Not available
Vapor pressure	No data available
Vapor density	No data available
Relative density	0.79 - 1.15
Solubility	Not available
Partition coefficient (n-octanol/water)	Not available
Autoignition temperature °C	362-449
Autoignition temperature °F	685-840
Decomposition temperature °C	Not available
Decomposition temperature °F	Not available
Viscosity	Not available

10. STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Highly flammable liquid and vapor. May form flammable/explosive vapor-air mixture.
Possibility of hazardous reactions	Not established.
Conditions to avoid	Avoid direct sunlight. Avoid extreme cold. Avoid extreme heat. Avoid open flames.
Incompatible materials	Incompatible with strong acids and bases.
Hazardous decomposition products	Fumes. During combustion carbon monoxide and/or carbon dioxide may be formed. Flammable gases.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	Not available.
Symptoms	Not available.
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Can cause target organ damage. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

Numerical measures of toxicity

Chemical name	Inhalation LC50:	Dermal LD50:	Oral LD50:
Ethanol	= 124.7 mg/L (Rat) 4 h	-	= 7060 mg/kg (Rat)
Water	-	-	> 90 mL/kg (Rat)
Ethylene glycol	-	= 10600 mg/kg (Rat) = 9530 µL/kg (Rabbit)	= 4700 mg/kg (Rat)
Methanol	= 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h	= 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit)	= 6200 mg/kg (Rat)
Isopropyl alcohol	= 72600 mg/m ³ (Rat) 4 h	= 4059 mg/kg (Rabbit)	= 1870 mg/kg (Rat)
Methyl isobutyl ketone	= 8.2 mg/L (Rat) 4 h	= 3000 mg/kg (Rabbit)	= 2080 mg/kg (Rat)

ATEmix (dermal) 3000 mg/kg

ATEmix (oral) 2080 mg/kg

ATEmix (inhalation-gas) Not available

ATEmix (inhalation-vapor) 8.2 mg/l/4h

ATEmix (inhalation-dust/mist) 1.5 mg/l/4h

Carcinogenicity

Chemical name	ACGIH OEL - Carcinogens	IARC	OSHA RTK Carcinogens	NTP
Ethanol	A3	Group 1	Listed	Known
Water	-	-	-	-
Ethylene glycol	A4	-	-	-
Methanol	-	-	-	-
Isopropyl alcohol	A4	Group 1 Group 3	Listed	-
Methyl isobutyl ketone	A3	Group 2B	Listed	-

Canadian Province
carcinogenicity limits

Chemical name	Alberta - Carcinogen	British Columbia - Carcinogen	Manitoba - Carcinogen	New Brunswick - Carcinogen	Nova Scotia - Carcinogen	Quebec - Carcinogen
Ethanol	-	-	ACGIH A3	ACGIH A4	ACGIH A3	-
Water	-	-	-	-	-	-
Ethylene glycol	-	-	ACGIH A4	ACGIH A4	ACGIH A4	-
Methanol	-	-	-	-	-	-
Isopropyl alcohol	-	-	ACGIH A4	-	ACGIH A4	-
Methyl isobutyl ketone	-	IARC 2B	ACGIH A3	-	ACGIH A3	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish
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Chemical name	Algae/aquatic plants	Fish
Ethanol	-	13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static
Water	-	-
Ethylene glycol	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static
Methanol	-	100: 96 h Pimephales promelas mg/L LC50 static 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static
Isopropyl alcohol	1000: 96 h Desmodesmus subspicatus mg/L EC50 1000: 72 h Desmodesmus subspicatus mg/L EC50	1400000: 96 h Lepomis macrochirus µg/L LC50 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static
Methyl isobutyl ketone	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through

Persistence and degradability Not available.

Bioaccumulation

Chemical name	CAS-No	Partition coefficient (log Kow)
Ethanol 64-17-5	64-17-5	-0.32
Water 7732-18-5	7732-18-5	-
Ethylene glycol 107-21-1	107-21-1	-1.93
Methanol 67-56-1	67-56-1	-0.77
Isopropyl alcohol 67-63-0	67-63-0	0.05 25 °C
Methyl isobutyl ketone 108-10-1	108-10-1	1.19

Mobility in soil Not available.

Other adverse effects Not available

13. DISPOSAL CONSIDERATIONS

Disposal information This material and its containers must be disposed of in a safe way. Dispose in accordance with local, state and federal regulations.

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Handle empty containers with care because residual vapors are flammable. Avoid release to the environment.

14. TRANSPORTATION INFORMATION

Shipping Descriptions

DOT

ID-No	UN1170
Proper shipping name	Ethyl alcohol solutions
Hazard Class(es)	3
Packing group	II

TDG

ID-No	UN1170
Proper shipping name	Ethyl alcohol solutions
Hazard Class(es)	3
Packing group	II

IATA

ID-No	UN1170
Proper shipping name	Ethyl alcohol solutions
Hazard Class(es)	3
Packing group	II

IMDG/IMO

ID-No	UN1170
Proper shipping name	Ethyl alcohol solutions
Hazard Class(es)	3
Packing group	II

Marine Pollutants

Chemical name	CAS-No	USDOT Marine Pollutant	Canada TDG Marine Pollutant	IMDG Marine Pollutant
Ethanol	64-17-5	-	-	-
Water	7732-18-5	-	-	-
Ethylene glycol	107-21-1	-	-	-
Methanol	67-56-1	-	-	-
Isopropyl alcohol	67-63-0	-	-	-
Methyl isobutyl ketone	108-10-1	-	-	-

Special Precautions

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Multi-modal shipping descriptions are provided for informational purposes and do not consider container size. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

15. REGULATORY INFORMATION

State regulations

U.S. state Right-to-Know regulations

Chemical name	CAS-No	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK
Ethanol	64-17-5	X	X	X
Water	7732-18-5	-	-	X
Ethylene glycol	107-21-1	X	X	X
Methanol	67-56-1	X	X	X
Isopropyl alcohol	67-63-0	X	X	X
Methyl isobutyl ketone	108-10-1	X	X	X

California Prop. 65

WARNING: This product contains a chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

Chemical name	CAS-No	California Prop. 65
Ethanol	64-17-5	-
Water	7732-18-5	-
Ethylene glycol	107-21-1	Developmental
Methanol	67-56-1	Developmental
Isopropyl alcohol	67-63-0	-
Methyl isobutyl ketone	108-10-1	Carcinogen Developmental

U.S. Federal Regulations**US EPA SARA 313**

Chemical name	CAS-No	CERCLA/SARA Hazardous Substances RQ	SARA 313 - Threshold Values
Ethanol	64-17-5	-	-
Water	7732-18-5	-	-
Ethylene glycol	107-21-1	5000 lb 2270 kg	1.0 %
Methanol	67-56-1	5000 lb 2270 kg	1.0 %
Isopropyl alcohol	67-63-0	-	1.0 %
Methyl isobutyl ketone	108-10-1	5000 lb 2270 kg	1.0 %

**US EPA SARA 311/312
hazardous categorization**

Not applicable

International inventories

Chemical name	DSL/NDSL	Inventory - United States - Section 8(b) Inventory (TSCA)	U.S. - TSCA (Toxic Substances Control Act) - Section 12(b) - Export Notification
Ethanol	X	X	-
Water	X	X	-
Ethylene glycol	X	X	-
Methanol	X	X	-
Isopropyl alcohol	X	X	-
Methyl isobutyl ketone	X	X	-

Legend X - Listed

16. OTHER INFORMATION

NFPA

Health	Not available
Flammability	Not available
Instability	Not available

HMIS

Health	Not available
Flammability	Not available
Physical hazards	Not available

Notice: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA).

Prepared by Regulatory Affairs

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Revision note

Key to abbreviations

ACGIH (American Conference of Governmental Industrial Hygienists)
ATE (Average Toxicity Estimate)
DSL/NDL (Domestic Substance List/Non-Domestic Substance List)
HMIS (Hazardous Materials Identification System)
IARC (International Agency for Research on Cancer)
IATA (International Air Transport Association)
IMDG/IMO (International Maritime Dangerous Goods/International Maritime Organization)
NFPA (National Fire Protection Association)
NTP (National Toxicology Program)
OEL (Occupational Exposure Level)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
PEL (Permissible Exposure Limit)
TSCA (Toxic Substance Control Act)
USEPA (United States Environmental Protection Agency)

Disclaimer

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

End of Safety Data Sheet