

Safety Data Sheet

Super Washer Solvent Concentrate

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Road King Super Washer Solvent Concentrate 953

Product Number:

Recommended Use: Windshield Washer Solvent Concentrate

Company Identification

Road King
32 Ward Road
North Tonawanda, New York, 14120
1-800-638-1887 (For product information)

Emergency Number:

1-800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS LABEL ELEMENTS: The product is classified and labeled according to the

Globally Harmonized System (GHS)

PHYSICAL STATE: Blue Liquid

ODOR: Mild Alcohol Odor

CLASSIFICATION(S): Flammable Liquid, Category 2

Acute Toxicity, Oral, Category 3
Acute Toxicity, Dermal, Category 3
Acute Toxicity, Inhalation, Category 3

Carcinogenicity, Category 2

Reproductive Toxicity, Category 2

Specific Organ Toxicity, Single Exposure, Category 1

SYMBOL(S):









SIGNAL WORD: DANGER!

HAZARD STATEMENT(S): Highly flammable liquid and vapor. Toxic if

swallowed. Toxic in contact with skin. Toxic if inhaled. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (Eyes, Central nervous system).

Health:

Flammability:

Personal Protection:

Reactivity:

*Chronic

Hazard Rating

HMIS

2*

0

NFPA

2

3

0

PRECAUTIONARY STATEMENT(S):

GENERAL PRECAUTIONARY STATEMENT(S):

Keep out of reach of children

Read label before use

PREVENTION PRECAUTIONARY STATEMENT(S):

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ ventilating/ lighting/ equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

Wash skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Use only outdoors or in a well-ventilated area.

Wear protective gloves/ eye protection/ face protection.

Use personal protective equipment as required.

RESPONSE PRECAUTIONARY STATEMENT(S):

IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth. IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician.

IF exposed: Call a POISON CENTER or doctor/ physician.

IF exposed or concerned: Get medical advice/attention.

Wash contaminated clothing before reuse.

In case of fire: Use Alcohol-resistant foam, Carbon dioxide (CO2) Dry Chemical for extinction.

STORAGE PRECAUTIONARY STATEMENT(S):

Store in a well-ventilated place. Keep cool.

Keep container tightly closed.

Store locked up.

DISPOSAL PRECAUTIONARY STATEMENT(S):

Dispose of contents/containers to an approved waste disposal facility in accordance with all applicable laws and regulations.

OTHER HAZARDS WHICH DO NOT RESULT IN CLASSIFICATION:

No additional information available.

2) Dry Chemical



3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
Methanol	90-100%	67-56-1
Blue Dye	< 1%	Proprietary

4. FIRST AID MEASURES

INHALATION:

If unconscious place in recovery position and seek medical advice. If symptoms persist, call a physician.

EYE CONTACT:

Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

SKIN CONTACT:

If on skin, rinse well with water. If on clothes, remove clothes. Take off contaminated clothing and shoes immediately. Take victim immediately to hospital.

INGESTION:

Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. If accidentally swallowed obtain immediate medical attention.

NOTES TO PHYSICIAN:

Treat symptomatically and provide general supportive measures.

FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Flash Point (Typical) Method: 52 °F (11 °C)

FLAMMABLE LIMITS IN AIR

LEL: No Data Available UEL: No Data Available

SUITABLE EXTINGUISHING MEDIA:

Alcohol-resistant foam, Carbon dioxide (CO2) Dry Chemical.

UNSUITABLE EXTINGUISHING MEDIA:

High volume water jet

SPECIFIC EXTINGUISHING METHODS:

Use a water spray to cool fully closed containers.



SPECIFIC HAZARDS DURING FIRE FIGHTING:

Do not allow run-off from fire fighting to enter drains or water courses. Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray.

PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus for fire-fighting if necessary. In the event of fire, wear self-contained breathing apparatus.

HAZARDOUS COMBUSTION PRODUCTS:

No hazardous combustion products are known

FURTHER INFORMATION:

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. For safety reasons in case of fire, cans should be stored separately in closed containments. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

NFPA FLAMMABLE AND COMBUSTIBLE LIQUIDS CLASSIFICATION:

Flammable Liquid Class IB

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Material can create slippery conditions.

ENVIRONMENTAL PRECAUTIONS:

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. Local authorities should be advised if significant spill-ages cannot be contained.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.



7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

ADVICE ON SAFE HANDLING:

Avoid formation of aerosol. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Container may be opened only under exhaust ventilation hood. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Keep away from heat.

CONDITIONS FOR SAFE STORAGE:

No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re-sealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must com-ply with the technological safety standards.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

Material	Source	Туре	ppm
Methyl Alcohol	OSHA PO	TWA	200
Methyl Alcohol	OSHA POL	STEL	250
Methyl Alcohol	ACGIH	TWA	200
Methyl Alcohol	ACGIH	STEL	250
Methyl Alcohol	NIOSH REL	TWA	200
Methyl Alcohol	NIOSH REL	ST	250
Methyl Alcohol	OSHA Z-1	TWA	200

ENGINEERING CONTROLS:

If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure guidelines, additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.



PERSONAL PROTECTIVE EQUIPMENT:

EYE / FACE PROTECTION REQUIREMENTS:

Eye wash bottle with pure water. Tightly fitting safety goggles. Safety glasses Ensure that eyewash stations and safety showers are close to the workstation location.

SKIN PROTECTION REQUIREMENTS:

Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

RESPIRATORY PROTECTION REQUIREMENTS:

No personal respiratory protective equipment normally required. In the case of vapor formation use a respirator with an approved filter.

PROTECTIVE CLOTHING:

Wear suitable protective equipment. Avoid contact with skin. When using do not eat, drink or smoke.

GENERAL COMMENTS:

FODM

Avoid contact with skin, eyes and clothing. When using do not eat or drink. When using do not smoke. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.

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9. PHYSICAL AND CHEMICAL PROPERTIES

FORM Liquid
pH No data available
ODOR mild, alcohol-like
COLOR Blue
PERCENT VOLATILE 90 - 100%
VAPOR PRESSURE 96 mmHg @ 20 °C (68 °F)
VAPOR DENSITIY 1.01 @ 15-20°C (59-68°F) (Air = 1)
BOILING POINT 64 °C (147 °F)
FREEZING POINT97.8 °C (-144.0 °F)
FLASH POINT 11 °C (52 °F)
SOLUBILITY IN WATER: Complete
SPECIFIC GRAVITY 0.791-0.793Reference substance: (water = 1)
EVAPORATION RATE 5.9 (Butyl Acetate = 1)
FLAMMABILITY No data available
BURNING RATE No data available
UEL 36.5% (V)
LEL 6% (V)
DENSITY No data available
BULK DENSITY No data available
PARTITION COEFFICIENT: log Pow: -0.820.66 (n-octanol/water)
AUTOIGNITION TEMPERATURE .: No data available
THERMAL DECOMPOSITION: No data available



10. STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions.

REACTIVITY:

No dangerous reaction known under conditions of normal use.

POSSIBILITY OF HAZARDOUS REACTIONS:

Vapours may form explosive mixture with air.

CONDITIONS TO AVOID:

Heat, flames and sparks. Extremes of temperature and direct sunlight.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:

Components:

67-56-1:

Acute oral toxicity: LD50 (rat): 100 mg/kg

Assessment: The component/mixture is toxic after

single ingestion.

Acute inhalation toxicity: LC50 (rat): 5 mg/l

Assessment: The component/mixture is toxic after

short term inhalation.

Acute dermal toxicity: LD50 (rabbit): 300 mg/kg

Assessment: The component/mixture is toxic after

single contact with skin.

SKIN CORROSION/IRRITATION:

Components: 67-56-1:

Species: rabbit

Result: No skin irritation

SERIOUS EYE DAMAGE/EYE IRRITATION

Components: 67-56-1:

Species: rabbit

Result: No eye irritation

RESPIRATORY OR SKIN SENSITISATION

Components: 67-56-1:

Test Type: Maximisation Test (GPMT)

Species: guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory

animals.



GERM CELL MUTAGENICITY

Components: 67-56-1:

Genotoxicity in vitro: Test Type: DNA damage and/or repair

Metabolic activation: with and without metabolic

activation

Result: Ambiguous

Genotoxicity in vivo: Test Type: In vivo micronucleus test

Test species: mouse (male and female)

Cell type: Bone marrow

Application Route: Intraperitoneal

Exposure time: Single

Dose: 0, 1920, 3200, 4480 mg/kg

Result: negative

Germ cell mutagenicity-Assessment:

Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

CARCINOGENICITY:

Components: 67-56-1:

Carcinogenicity - Assessment: Suspected human carcinogens

REPRODUCTIVE TOXICITY:

Components: 67-56-1:

Effects on fertility: Test Type: Two-generation study

> Species: rat, male and female Application Route: Inhalation Dose: 0, 0.013, 0.13, 1.3 mg/L Duration of Single Treatment: 20 h

General Toxicity - Parent: NOAEC: 1.3 mg/l

General Toxicity F1: NOAEC: 0.13 mg/l

Fertility: NOAEC: 1.3 mg/l

Symptoms: Effects on postnatal development. Result: Animal testing did not show any effects

on fertility.

Effects on fetal

development: Species: rat

Application Route: inhalation (vapour)

Dose: 0, 6.65, 13.3, 26.6 mg/L Duration of Single Treatment: 20 d Frequency of Treatment: 7 hr/day

General Toxicity Maternal: NOAEC: 13.3 mg/L

Teratogenicity: NOAEC: 6.65 mg/L

Result: Teratogenic effects.

Reproductive toxicity - Assessment:

Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.



STOT - single exposure

Product:
No data available

Components: 67-56-1:

EXPOSURE:

Exposure routes:

Target Organs: Eyes, Central nervous system

Assessment: Causes damage to organs., The sub-stance or mixture is classified as specific target organ

toxicant, single expo-sure, category 1.

Remarks:

STOT - repeated exposure

Product:
No data available

Components:

67-56-1: No data available

Repeated dose toxicity

Components: 67-56-1:

Species: mouse, male and female

NOAEL: 1.3 mg/l

Application Route: Inhalation

Exposure time: 12 months

Number of exposures: Continuous Dose: 0, 0.013, 0.13, 1.3 mg/L

ASPIRATION TOXICITY: Further information

Product:

Remarks: Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION

ECOTOXICITY:

Components: 67-56-1:

Toxicity to fish: LC50 (Lepomis macrochirus (Bluegill

sunfish)): 15,400 mg/l
Exposure time: 96 h

Test Type: flow-through test

Toxicity to daphnia and

other aquatic invertebrates: EC50 (Daphnia magna (Water flea)): > 10,000 mg/l

Exposure time: 48 h
Test Type: static test

Toxicity to algae: EC50 (Scenedesmus capricornutum (fresh water

algae)): 22,000 mg/1
End point: Growth rate
Exposure time: 96 h
Test Type: static test

Method: OECD Test Guideline 201



Toxicity to bacteria: IC50 (activated sludge): > 1,000 mg/l

End point: Growth rate
Exposure time: 3 h
Test Type: Static

Method: OECD Test Guideline 209

PERSISTENCE AND DEGRADABILITY:

Components: 67-56-1:

Biodegradability: aerobic

Result: Readily biodegradable.

Biodegradation: 72 %

Remarks: Readily biodegradable

Biochemical Oxygen Demand (BOD): 600 - 1,120 mg/g

Chemical Oxygen Demand (COD): 1,420 mg/g

BOD/COD: BOD: 600 - 1120COD: 1420

Stability in water: Hydrolysis: 91 % at19 °C(72 h)

Remarks: Hydrolyses on contact with water.

Hydrolyses readily.

BIOACCUMULATIVE POTENTIAL:

Components: 67-56-1:

Bioaccumulation: Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): 1.0

Exposure time: 72 d Temperature: 20 °C Concentration: 5 mg/l

Remarks: This substance is not considered to be very persistent nor very bioaccumulating

(vPvB).

Partition coefficient

n-octanol/water: log Pow: -0.77

Mobility in soil: No data available

Other adverse effects: No data available

PRODUCT:

Regulation: 40 CFR Protection of Environment; Part 82

Protection of Stratospheric Ozone - CAA

Section 602 Class I Sub-stances

Remarks: This product neither contains, nor was

manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602

(40 CFR 82, Subpt. A, App.A + B).

Additional ecological information: No data available



13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS:

WASTE FROM RESIDUES:

Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company. Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Superior Lubricants' Environmental Services Group at 800-638-1887. Dispose of wastes in an approved waste disposal facility.

CONTAMINATED PACKAGING:

Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cutting torch on, the empty drum.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL:	Road King Super Washer Solvent Concentrate
D.O.T SHIPPING:	UN1230, Methanol, 3, II
<pre>IMDG::</pre>	UN1230, Methanol, 3, II
IATA::	UN1230, Methanol, 3, II

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = CANADIAN DISCLOSURE LIST	02 = CERCLA Hazardous Substances
03 = TITLE V OF THE CLEAN AIR ACT	04 = SC Toxic Air Pollutants List
05 = SARA TITLE III - SECTION 313	06 = SARA Title III - Section 312
07 = CA PROPOSITION 65	08 = RCRA Hazardous Substances

OSHA HAZARDS:

Flammable liquid, Toxic by ingestion, Toxic by skin absorption, Carcinogen, Teratogen, Reproductive hazard

WHMIS CLASSIFICATION:

B2: Flammable liquid

D1B: Toxic Material Causing Immediate and Serious Toxic Effects

D2A: Very Toxic Material Causing Other Toxic Effects

EPCRA - Emergency Planning and Community Right-to-Know Act CERCLA Reportable Quantity

Methanol

CAS-No.: 67-56-1

Component RQ (lbs): 5000

Calculated product RQ (lbs): 5000

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.



SARA 311/312 HAZARDS: Fire Hazard

Acute Health Hazard Chronic Health Hazard

SARA 302: SARA 302: No chemicals in this material are

subject to the reporting requirements of

SARA Title III, Section 302.

SARA 313: The following components are subject to

reporting levels established by SARA Title

III, Section 313:

67-56-1 Methanol 100 %

CLEAN AIR ACT:

The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 12 (40 CFR 61):

67-56-1 Methanol 100 %

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

67-56-1 Methanol 100 %

CLEAN WATER ACT:

This product does not contain any Hazardous Substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US STATE REGULATIONS:

Massachusetts Right To Know

67-56-1 Methanol 90 - 100 %

Pennsylvania Right To Know

67-56-1 Methanol 90 - 100 %

New Jersey Right To Know

67-56-1 Methanol 90 - 100 %

California Prop 65

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

67-56-1 Methanol

The components of this product are reported in the following inventories: 1907/2006 (EU):

n (Negative listing) (Not in compliance with the inventory)



Switzerland. New notified substances and declared preparations:

y (positive listing) (The formulation contains substances listed on the Swiss Inventory)

United States TSCA Inventory:

y (positive listing) (On TSCA Inventory)

Canadian Domestic Substances List (DSL):

y (positive listing) (All components of this product are on the Canadian DSL.)

Australia Inventory of Chemical Substances (AICS):

y (positive listing) (On the inventory, or in compliance with the inventory)

New Zealand. Inventory of Chemical Substances:

y (positive listing) (On the inventory, or in compliance with the inventory)

Japan. ENCS - Existing and New Chemical Substances Inventory:

y (positive listing) (On the inventory, or in compliance with the inventory)

Japan. ISHL - Inventory of Chemical Substances (METI):

y (positive listing) (On the inventory, or in compliance with the inventory)

Korea. Korean Existing Chemicals Inventory (KECI):

y (positive listing) (On the inventory, or in compliance with the inventory)

Philippines Inventory of Chemicals and Chemical Substances (PICCS):

y (positive listing) (On the inventory, or in compliance with the inventory)

China. Inventory of Existing Chemical Substances in China (IECSC):

y (positive listing) (On the inventory, or in compliance with the inventory)

16. OTHER INFORMATION

REASON FOR ISSUE: Revised

APPROVAL DATE: May 22, 2015

SUPERCEDES DATE: January 2, 2017

RTN NUMBER 953 (Official Copy)



Key or legend to abbreviations and acronyms used in the safety data sheet			
ACGIH	American Conference of Government Industrial Hygienists	LD50	Lethal Dose 50%
AICS	Australia, Inventory of Chemical Substances	LOAEL	Lowest Observed Adverse Effect Level
DSL	Canada, Domestic Substances List	NFPA	National Fire Protection Agency
NDSL	Canada, Non-Domestic Sub-stances List	NIOSH	National Institute for Occupational Safety & Health
CNS	Central Nervous System	NTP	National Toxicology Program
CAS	Chemical Abstract Service	NZloC	New Zealand Inventory of Chemicals
EC50	Effective Concentration	NOAEL	No Observable Adverse Effect Level
EC50	Effective Concentration 50%	NOEC	No Observed Effect Concentration
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philipines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and Reauthorization Act.
IARC	International Agency for Re-search on Cancer	TLV	Threshold Limit Value
IECSC	Inventory of Existing Chemical Substances in China	TWA	Time Weighted Average
ENCS	Japan, Inventory of Existing and New Chemical Substances	TSCA	Toxic Substance Control Act
KECI	Korea, Existing Chemical Inventory	UVCB	Unknown or Variable Composition, Complex Reaction Products, and Biological Materials
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials In-formation System
LC50 Lethal Concentration 5		Concentration 50%	

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