

ZECO64504 – CAR WASH CONCENTRATE

SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER

Product name Car Wash Concentrate
Product number ZECO64504 (Gal)
Brand Zecol

1.4 SUPPLIER'S DETAILS

Name Highline Aftermarket
Address 4500 Malone Road
Memphis TN 38118
Telephone 901-775-5555
email sds@highlineaftermarket.com

1.5 EMERGENCY PHONE NUMBER

CHEM-TEL (800) 255-3924
24 Hour Assistance

SECTION 2: HAZARD IDENTIFICATION

General hazard statement

"Consumer Products", as defined by the US Consumer Product Safety Act and which are used as intended (typical consumer duration and frequency), are exempt from the OSHA Hazard Communication Standard (29 CFR 1910.1200). This SDS is being provided as a courtesy to help assist in the safe handling and proper use of the product.

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Sensitization, skin, Cat. 1
- Acute toxicity, dermal, Cat. 3
- Acute toxicity, inhalation, Cat. 3
- Acute toxicity, oral, Cat. 3
- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 1B
- Skin corrosion/irritation, Cat. 3
- Specific target organ toxicity (single exposure), Cat. 1
- Toxic to reproduction, Cat. 1B

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Pictogram



1. Exclamation mark; 2. Skull and crossbones; 3. Health hazard

Signal word**Danger****Hazard statement(s)**

H301	Toxic if swallowed
H311	Toxic in contact with skin
H317	May cause an allergic skin reaction
H331	Toxic if inhaled
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H370	Causes damage to organs

Precautionary statement(s)

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe dust/fume/gas/mist/vapors/spray.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor
P302+P352	IF ON SKIN: Wash with plenty of water
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.
P330	Rinse mouth.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P363	Wash contaminated clothing before reuse.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to proper receptacle.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.2 MIXTURES****Components****1. Water**

Concentration	20 - 90 % (volume)
CAS no.	7732-18-5

2. Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

Concentration	4 - 5 % (weight)
CAS no.	68439-57-6

3. Coconut Diethanolamine

Concentration 3 - 4 % (weight)
EC no. 271-657-0
CAS no. 68603-42-9

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Toxic to reproduction, Cat. 1B
- Carcinogenicity, Cat. 2
- Hazardous to the aquatic environment - acute hazard, Cat. 2
- Hazardous to the aquatic environment - long-term hazard, Cat. 3

4. Ethanol

Concentration 1 - 2 % (weight)
EC no. 200-578-6
CAS no. 64-17-5
Index no. 603-002-00-5

- Flammable liquids, Cat. 2

H225 Highly flammable liquid and vapor

Trade secret statement (OSHA 1910.1200(i))

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SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If inhaled	Call a poison center or doctor if you feel unwell. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Rinse with plenty of water. Call a doctor if irritation develops or persists. Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed

Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor immediately

Acute and delayed symptoms and effects: Harmful if swallowed.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 SUITABLE EXTINGUISHING MEDIA

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Methanol: Carbon oxides

5.3 SPECIAL PROTECTIVE ACTIONS FOR FIRE-FIGHTERS

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Use personal protective equipment as described in Section 8. Do not get in eyes, on skin, or on clothing. Ensure adequate ventilation. Evacuate personnel to safe areas.

6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

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

Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Use personal protective equipment as required. Keep container closed when not in use. Never return spills in original containers for re-use. Keep out of the reach of children.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

1. Methanol (CAS: 67-56-1 EC: 200-659-6)

PEL-TWA (Inhalation): 200 ppm, 260 mg/m³ (OSHA)

Headache. Nausea. Dizziness. Eye damage Substances for which there is a Biological Exposure Index or Indices
Danger of cutaneous absorption

PEL-TWA (Inhalation): 200 ppm (Cal/OSHA)

PEL-ST (Inhalation): 250 ppm (Cal/OSHA)

PEL-C (Inhalation): 1000 ppm (Cal/OSHA)

PEL-ST (Inhalation): 250 ppm (NIOSH)

REL-TWA (Inhalation): 200 ppm (NIOSH)

TLV® (Inhalation): 200 ppm (ACGIH)

TLV® (Inhalation): 250 ppm (ST) (ACGIH)

2. Diethanolamine (CAS: 111-42-2 EC: 203-868-0)

TWA (Inhalation): 1 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values

(TLV)/Liver damage. Kidney damage. Confirmed animal carcinogen with unknown relevance to humans. Danger of cutaneous absorption,

TWA (Inhalation): 3 ppm

15 mg/m³; USA (NIOSH)

USA. NIOSH Recommended Exposure Limits

PEL (Inhalation): 0.46 ppm

2 mg/m³; USA (Cal/OSHA)

California permissible exposure limits for chemical contaminants (Title 8, Article 107)

3. Formaldehyde (CAS: 50-00-0 EC: 200-001-8)

PEL-C (Inhalation): 0.3 ppm (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)

Remarks: Upper Respiratory Tract irritation, Eye irritation, Suspected human carcinogen, Sensitizer

PEL-TWA (Inhalation): 0.016 ppm (NIOSH)

USA. NIOSH Recommended Exposure Limits

Potential Occupational Carcinogen

See Appendix A

PEL-C (Inhalation): 0.1 ppm (NIOSH)

USA. NIOSH Recommended Exposure Limits

1910.1048: This standard applies to all occupational exposures to formaldehyde, i.e. from formaldehyde gas, its solutions, and materials that release formaldehyde OSHA specifically regulated carcinogen

0.75 ppm

OSHA Specifically Regulated Chemicals/Carcinogens

4. Ethyl alcohol (Ethanol) (CAS: 64-17-5)

PEL (Inhalation): 1000 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1900 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 1000 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1000 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): (ST) 1000 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

5. Glycerol (CAS: 56-81-5 EC: 200-289-5)

TWA (Inhalation): 15 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits(OSHA) - Table Z-1 Limits for Air Contaminants

TWA (Inhalation): 10 mg/m³; USA (ACGIH)

USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation

PEL (Inhalation): 15 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³, PNOR (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 5 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminant

8.2 APPROPRIATE ENGINEERING CONTROLS

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT (PPE)

Pictograms



Eye/face protection

No special protective equipment required for normal use. Safety glasses are recommended for industrial use of if splash hazard .

Skin protection

Not required for normal product use.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Not required under normal use conditions. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available.

Environmental exposure controls

Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Mild
Odor threshold	No data available.
pH	Neutral
Melting point/freezing point	No data available.
Initial boiling point and boiling range	No data available.
Flash point	200 F
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Relative density	8.58 lbs/gal
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

Other safety information

VOC = 1.87

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY

Contact with incompatible materials. Sources of ignition. Exposure to heat.

10.2 CHEMICAL STABILITY

Stable under normal storage conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No data available.

10.4 CONDITIONS TO AVOID

Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 INCOMPATIBLE MATERIALS

2-Butoxyethanol: Strong oxidizing agents

Methanol: Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids

Diethanolamine: Oxidizing agents, Copper, Zinc, Iron

Ethanol: Alkali metals, Oxidizing agents, Peroxides

Glycerine : Strong bases, Strong oxidizing agents

10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

2-Butoxyethanol: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

Diethanolamine: Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NOx)

In the event of fire: see section 5

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

Symptoms (including delayed and immediate effects):

Inhalation: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

ATE (dermal) of mixture: 378.44 mg/kg

ATE (inhalation, gaseous) of mixture: 884.33 ppmv

ATE (oral) of mixture: 126.26 mg/kg

Ethanol: ACGIH: A3 Confirmed animal carcinogen with unknown relevance to humans.

Skin corrosion/irritation

May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

Serious eye damage/irritation

May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Additional information

No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS SPECIFIC FOR THE PRODUCT IN QUESTION

California Prop. 65 Components

Chemical name: Methanol

CAS number: 67-56-1

03/16/2012 - Developmental toxicity

Chemical name: Diethanolamine

CAS number: 111-42-2

06/22/2012 - Cancer

Chemical name: Formaldehyde

CAS number: 50-00-0

01/01/1988 - Cancer

State of California to cause birth defects or other reproductive harm.

Methanol

CAS-No. 67-56-1

WARNING! This product contains a chemical known to the State of California to cause cancer.

Diethanolamine

CAS-No. 111-42-2

Coconut oil diethanolamine -cancer

Massachusetts Right To Know Components

Chemical name: Methanol

CAS number: 67-56-1

Diethanolamine

CAS number: 111-42-2

Chemical name: Formaldehyde

CAS number: 50-00-0

Chemical name: Ethanol

CAS number: 64-17-5

Glycerol

CAS-No. 56-81-5

New Jersey Right To Know Components

Chemical name: Methanol
CAS number: 67-56-1

Diethanolamine
CAS number: 111-42-2

Common name: FORMALDEHYDE
CAS number: 50-00-0

Common name: ETHYL ALCOHOL
CAS number: 64-17-5

Glycerol
CAS-No. 56-81-5

Pennsylvania Right To Know Components

Chemical name: Methanol
CAS number: 67-56-1

Diethanolamine
CAS number: 111-42-2

Chemical name: Formaldehyde
CAS number: 50-00-0

Chemical name: Ethanol
CAS number: 64-17-5

Glycerol
CAS-No. 56-81-5

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Chronic Health Hazard

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Diethanolamine
CAS-No. 111-42-2

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SECTION 16: OTHER INFORMATION

16.1 FURTHER INFORMATION/DISCLAIMER

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Highline Aftermarket be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Highline Aftermarket has been advised of the possibility of such damages.

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