

**ZECO35805 & 35855– MINERAL SPIRITS SOLVENT**

**SECTION 1: IDENTIFICATION**

**1.1 PRODUCT IDENTIFIER**

Product name Mineral Spirits Solvent  
Product number ZECO35805 (5 Gal), ZECO35855 (55 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)**

- Flammable liquids, Cat. 3
- Eye damage/irritation, Cat. 2B
- Carcinogenicity, Cat. 2
- Aspiration hazard, Cat. 1
- Skin corrosion/irritation, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 1

**2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS**

**Pictogram**



1. Exclamation mark; 2. Health hazard; 3. Flame

**Signal word**

**Danger**

**Hazard statement(s)**

H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H320	Causes eye irritation
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure

**Precautionary statement(s)**

P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/hot surfaces. 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 thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

**2.3 Other hazards which do not result in classification**

Can cause eye and skin irritation. HARMFUL IF SWALLOWED. Irritation to respiratory tract. Can cause blindness.

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**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 MIXTURES****Hazardous components****1. Mineral spirits**

Concentration	50 - 90 % (weight)
EC no.	232-489-3
CAS no.	8052-41-3

- Flammable liquids, Cat. 3
- Aspiration hazard, Cat. 1
- Skin corrosion/irritation, Cat. 2

- Specific target organ toxicity (repeated exposure), Cat. 1
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

**2. Benzene, ethylmethyl-**

Concentration 3 - 7 % (weight)  
CAS no. 25550-14-5

**3. Benzene, trimethyl-**

Concentration 3 - 7 % (weight)  
CAS no. 25551-13-7

**4. 1,2,4-Trimethylbenzene**

Concentration 1 - 5.5 % (weight)  
EC no. 202-436-9  
CAS no. 95-63-6  
Index no. 601-043-00-3

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Specific target organ toxicity (single exposure), Cat. 3
- Skin corrosion/irritation, Cat. 2
- Serious eye damage/eye irritation, Cat. 2
- Hazardous to the aquatic environment, long-term (chronic), Cat. 2

H226 Flammable liquid and vapor  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H332 Harmful if inhaled  
H335 May cause respiratory irritation  
H411 Toxic to aquatic life with long lasting effects

**5. Nonane**

Concentration 0.1 - 1.5 % (weight)  
CAS no. 111-84-2

**6. Xylene**

Concentration 0.1 - 2 % (weight)  
EC no. 215-535-7  
CAS no. 1330-20-7  
Index no. 601-022-00-9

- Flammable liquids, Cat. 3
- Acute toxicity, inhalation, Cat. 4
- Acute toxicity, dermal, Cat. 4
- Skin corrosion/irritation, Cat. 2

H226 Flammable liquid and vapor  
H312 Harmful in contact with skin

H315 Causes skin irritation  
H332 Harmful if inhaled

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## SECTION 4: FIRST-AID MEASURES

### 4.1 DESCRIPTION OF NECESSARY FIRST-AID MEASURES

If inhaled	<p>Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.</p> <p>Acute and delayed symptoms and effects: May cause drowsiness or dizziness. May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain</p> <p>Remove person to fresh air. If you feel unwell, get medical attention.</p>
In case of skin contact	<p>Take off immediately all contaminated clothing. Wash with plenty of soap and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash contaminated clothing before reuse.</p> <p>Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.</p>
In case of eye contact	<p>Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention</p> <p>Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.</p>
If swallowed	<p>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.</p> <p>Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.</p>

### 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

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## 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**

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate: Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Sodium 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.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Use personal protective equipment. Avoid breathing vapors, mist or gas. 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.

**6.2 ENVIRONMENTAL PRECAUTIONS**

Do not let product enter drains.

**6.3 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP**

Eliminate all sources of ignition. 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.

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**SECTION 7: HANDLING AND STORAGE**

**7.1 PRECAUTIONS FOR SAFE HANDLING**

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands with soap and water after handling. Container explosion may occur under fire conditions. Use explosion-proof equipment. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.

**7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**

Keep container tightly closed in a dry, cool 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.

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 CONTROL PARAMETERS**

**1. Stoddard solvent (CAS: 8052-41-3)**

TLV® (Inhalation): 100 ppm, 525 mg/m<sup>3</sup> (ACGIH)  
eye, skin, kidney damage, nausea, CNS impair

REL-TWA (Inhalation): 350 mg/m<sup>3</sup> (NIOSH)  
REL-ST (Inhalation): 350 mg/m<sup>3</sup>, 1800 mg/m<sup>3</sup> (NIOSH)  
PEL-TWA (Inhalation): 500 ppm (2900 mg/m<sup>3</sup>) (OSHA)  
PEL-C (Inhalation): 100 ppm (Cal/OSHA)

**2. Xylenes (o-, m-, p-isomers) (CAS: 1330-20-7)**

PEL (Inhalation): 100 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
PEL (Inhalation): 435 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
PEL (Inhalation): 100 ppm, (ST) 150 ppm, (C) 300 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
REL (Inhalation): 100 ppm, (ST) 150 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**3. Cumene (CAS: 98-82-8)**

PEL (Inhalation): 50 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
PEL (Inhalation): 245 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
PEL (Inhalation): 50 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
REL (Inhalation): 50 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**4. Ethyl benzene (CAS: 100-41-4)**

PEL (Inhalation): 100 ppm (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
PEL (Inhalation): 435 mg/m<sup>3</sup> (OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
PEL (Inhalation): 100 ppm, (ST) 125 ppm (Cal/OSHA)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)  
REL (Inhalation): 100 ppm, (ST) 125 ppm (NIOSH)  
OSHA Annotated Table Z-1, [www.osha.gov](http://www.osha.gov)

**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**

Tightly fitting safety goggles. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment.

**Skin protection**

Wear protective gloves, such as nitrile gloves.

**Body protection**

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. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

**Thermal hazards**

No data available.

**Environmental exposure controls**

Do not let product enter drains.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Clear Liquid
Odor	Characteristic Solvent
Odor threshold	No data available.
pH	Not Applicable
Melting point/freezing point	No data available.
Initial boiling point and boiling range	157-218 C
Flash point	107 F (Closed Cup)
Evaporation rate	0.16
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	Lower: 0.6%
Upper/lower explosive limits	Upper: 8%
Vapor pressure	
Vapor density	
Relative density	0.79
Solubility(ies)	No data available.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	
Decomposition temperature	No data available.
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

**Other safety information**

No data available.

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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 REACTIVITY

This material is considered to be nonreactive under normal use conditions.

### 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

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

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate: Strong oxidizing agents, Strong acids

Sodium hydroxide : Caustic soda reacts with all the mineral acids to form the corresponding salts. It also reacts with weak-acid gases, such as hydrogen sulfide, sulfur dioxide, and carbon dioxide. Caustic soda reacts with amphoteric metals (Al, Zn, Sn) and their oxides to form complex anions such as  $AlO_2(-)$ ,  $ZnO_2(-2)$ ,  $SNO_2(-2)$ , and  $H_2$  (or  $H_2O$  with oxides). All organic acids also react with sodium hydroxide to form soluble salts. Another common reaction of caustic soda is dehydrochlorination.

Stoddard solvent: Strong oxidizers

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

Ethylenediaminetetraacetic acid tetrasodium salt dihydrate: Other decomposition products - no data available  
In the event of fire: see section 5

Sodium hydroxide : Sodium oxides

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## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Acute toxicity

Components:

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

ATE (dermal) of mixture: 2500 mg/kg

ATE (inhalation, gaseous) of mixture: 5833.33 ppmv

ATE (inhalation, vapor) of mixture: 25 mg/l

ATE (oral) of mixture: 833.33 mg/kg



// ----- From the Suggestion report (06/25/2019, 3:27 PM) ----- //

ATE (inhalation, gaseous) of mixture: 60000 ppmv

**Skin corrosion/irritation**

May cause skin irritation.

**Serious eye damage/irritation**

May cause eye irritation.

**Respiratory or skin sensitization**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Germ cell mutagenicity**

May cause genetic defects.

**Carcinogenicity**

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

**Reproductive toxicity**

Suspected of damaging fertility or the unborn child

**STOT-single exposure**

May cause drowsiness or dizziness

**STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure

**Aspiration hazard**

May be harmful if swallowed and enters airways

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## 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 on product.

**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 on product.

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## 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.

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## SECTION 14: TRANSPORT INFORMATION

### DOT (US)

This product may be classified as "Combustible Liquid" unless transported by vessel or aircraft.

UN Number: UN1268

Class: 3

Packing Group: III

Proper Shipping Name: Petroleum Distillates, NOS

Reportable quantity (RQ):

Marine pollutant:

Poison inhalation hazard:

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## SECTION 15: REGULATORY INFORMATION

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

#### California Prop. 65 Components

Chemical name: Cumene

CAS number: 98-82-8

Cancer

Chemical name: Ethylbenzene

CAS number: 100-41-4

Cancer

Chemical name: Naphthalene

CAS number – 91-20-3

Cancer

Chemical name: Toluene

CAS number: 108-88-3

Reproductive Harm

Chemical name: Benzene

CAS number: 71-43-2

Cancer & Reproductive Harm



**WARNING:** This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Cumene, Ethylbenzene, Naphthalene, which are known to the State of California to cause cancer, and Toluene, 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](http://www.P65Warnings.ca.gov)

#### **Massachusetts Right To Know Components**

No components are subject to the Massachusetts Right to Know Act.

Chemical name: 1,2,4-Trimethylbenzene  
CAS number: 95-63-6

Chemical name: Xylene (mixed isomers)  
CAS number: 1330-20-7

Chemical name: Cumene  
CAS number: 98-82-8

Chemical name: Ethylbenzene  
CAS number: 100-41-4

#### **New Jersey Right To Know Components**

No components are subject to the New Jersey Right to Know Act.

Common name: ETHYLTOLUENES  
CAS number: 25550-14-5

Common name: TRIMETHYL BENZENE (mixed isomers)  
CAS number: 25551-13-7

Common name: PSEUDOCUMENE  
CAS number: 95-63-6

Common name: NONANE  
CAS number: 111-84-2

Common name: XYLENES  
CAS number: 1330-20-7

Common name: CUMENE  
CAS number: 98-82-8

Common name: ETHYL BENZENE  
CAS number: 100-41-4

Common name: PROPYL BENZENE  
CAS number: 103-65-1

#### **Pennsylvania Right To Know Components**

No components are subject to the Pennsylvania Right to Know Act.

Chemical name: Benzene, trimethyl-  
CAS number: 25551-13-7

Chemical name: Pseudocumene  
CAS number: 95-63-6

Chemical name: Nonane  
CAS number: 111-84-2

Chemical name: Benzene, dimethyl-  
CAS number: 1330-20-7

Chemical name: Benzene, (1-methylethyl)-  
CAS number: 98-82-8

Chemical name: Benzene, ethyl-  
CAS number: 100-41-4

Chemical name: Benzene, propyl-  
CAS number: 103-65-1

Chemical name: 1-Hexanol, 2-ethyl-  
CAS number: 104-76-7

#### **SARA 302 Components**

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

#### **SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard

#### **SARA 313 Components**

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.

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## **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.

Prepared By Mark Kozak