Safety Data Sheet according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. Date of issue: 11/20/2017 Revision date: 11/20/2017 Version: 1.0

SECTION 1: Identification         1.1.       Identification         Product form       : Engine Tune-Up         Product rame       : Engine Tune-Up         Product code       :: ETU/4         1.2.       Recommended use and restrictions on use         Use of the substance/mixture       : Oil additive         1.3.       Suppler         Justice Brothers, Inc.       2734 Hurnington Drive         Duarte, CA Floridon - USA       Emergency telephone number         Emergency number       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         SECTION 2: Hazard(s) Identification       Emergency number         2.1.       Classification of the substance or mixture         GH3-US classification       Flam. Uq. 4         Plam. Uq. 4       Eve Inti. 2A         Asp. Tox. 1       Economous Statements         CH3-US labeling       Hazard pictograms (GH3-US)         Hazard pictograms (GH3-US)       : Danger         Hazard statements (GH3-US)       : Combustible liquid May be fatai if swallowed and enters ainways Causes service eve irritation         Precautionary statements (GH3-US)       : Keep away from heat/sparks/open flames-box surfaces. No smoking.         Wash hads. Storems and face aboxing/up with water for several minutes. Remove contact lenses, if present and desay to do. Continuse to aboxing/up with water		
Product form       Image: Mixture         Product orde       Image: Endipe: Tune-Up         Product orde       Image: Endipe: Tune-Up         1.1       Recommended use and restrictions: on use         Use of the substance/mixture       Image:	SECTION 1: Identification	
Product name <ul> <li>Engine Tune-Up</li> <li>returd</li> <li>Total</li> <li><b>1. Recommended use and returds</b></li> <li>Oil additive</li> <li><b>1.3 Suppler</b></li> <li>Justice Brothers, Inc.</li> <li><b>1.4 Energency telephone number</b></li> <li>C. CHEMTREC International: +1 (703) 527-3887 (24 hr)</li> <li><b>1.4 Energency telephone number</b></li> <li>C. CHEMTREC International: +1 (703) 527-3887 (24 hr)</li> <li><b>1.4 Energency telephone number</b></li> <li>C. CHEMTREC International: +1 (703) 527-3887 (24 hr)</li> <li><b>1.4 Energency telephone number</b></li> <li>C. CHEMTREC International: +1 (703) 527-3887 (24 hr)</li> <li><b>1.4 Classification</b></li> <li><b>1.5 Classification</b></li> <li><b>1.6 Classification</b></li> <li><b>1.6 Classification</b></li> <li><b>1.6 Classification</b></li> <li><b>1.7 Classification</b></li> <li><b>1.8 Liq. 4</b></li> <li>Total Stabel elements, including pre-tunorary statements</li> <li><b>CHE-VS Classification</b></li> <li><b>1.8 Liq. 4</b></li> <li>Total Stabel elements, including pre-tunorary statements</li> <li><b>CHE-VS Classification</b></li> <li><b>1.8 Liq. 4</b></li> <li>Total Stabel elements, including pre-tunorary statements</li> <li><b>CHE-VS Classification</b></li> <li><b>1.8 Liq. 4</b></li> <li>Total Stabel elements, including pre-tunorary statements</li> <li><b>Combustible liquid</b></li> <li>May to fatal if swallowed and enters always Classes elements</li> <li>Causes scious elements, forearms and return ending.</li> <li><b>1.8 Compare</b></li> <li><b>1.8 Compare</b></li> <li><b>1.8 Compare</b></li> <li><b>1.9 Classe</b></li> <li><b>1.9 Classe</b></li> <li><b>1.9 Classe</b></li> <li><b>1.9 Classe</b></li> <li><b>1.9 Classe</b></li> <li><b>1.9 Classe</b></li> <li><b>1.9 Classclastatements</b> (GH</li></ul>	1.1. Identification	
Product code       i ETU/4         i.2.       Recommended use and restrictions on use         Use of the substance/mixture       i Oli additive         i.3.       Suppler         Justice Brothers, Inc.       Italian in the substance/mixture         i.4.       Emergency telephone number         i.5.       SUPPICAL Intercent in the substance or mixture         SECTION 2: Hazard(s) identification       Italian intercent	Product form	: Mixture
1.2. Recommended use and restrictions on use         Use of the substance/mixture       : Oil additive         1.3. Supplier         Usatice Borthores, Inc.         2734 Huntington Drive         Duarie CA S10101- USA T: (626) 339-9174 (M-F, Bam-Spm)         1.4. Emergency telephone number         Emergency number       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         SECTION 21 Hazard(5) Identification         CHE-US classification of the substance or mixture         CHS-US classification         Flam. Liq. 4         Eye Irrit. 2A         Asp. Tox. 1         22. CHS Label elements, including precautionary statements         CHS-US labeling         Hazard pictograms (GHS-US)       : Danger         Hazard statements (GHS-US)       : Keepa away from heat/sparks/open flam.es/hot surfaces. No smoking. Wash hands, foreams and face thoroughy after handling. Wear protective gloves/protective clothing/eye protection/ase protection. If swallowed: Inmediately cell a poison center or doctor Do NOT induce vomiting. If in eyee: Innee classification prists: Science clothing/eye protection/ase protection. If swallowed into prists: Continues firsts. Store in a well-ventilated place. Keep cool. Store in cell eqision prists: Continue in the artiforus or special waste collection point, in accordance wit local, regional, national and/or international regulaviation	Product name	: Engine Tune-Up
Use of the substance/mixture       : Oil additive         13. Supplier       Juscice Brothers, Inc.         Juscice Brothers, Inc.       : Call Substance Supplier         Use of the substance/mixture       : Cell Substance Supplier         14. Emergency telephone number       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         SECTION 2: Hazard(s) identification       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         SECTION 2: Hazard(s) identification       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         SECTION 2: Hazard(s) identification       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         SECTION 2: Hazard(s) identification       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         Section 3: Statistication of the substance or mixture       : CHEMTREC International: +1 (703) 527-3887 (24 hr)         Section 3: Statistication 1: Statistication 1: Statistication       : Statistication 1: Statistication         Flam: Liq, 4       : Statistication 1: Statistication       : Statistication         Signal word (GHS-US)       : Stanger       : Statistication : Statistication : Statistication         Hazard statements (GHS-US)       : Danger       : Statistic : Statististic : Statistic : Statist:	Product code	: ETU/4
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Justice Brothers, Inc. 2734 Huntington Drive Durate, CA 90100 - USA T. (260) 339-9174 (MF, Bam-Spm) 1.1. Emergency telephone number Emergency number : CHEMTREC International: +1 (703) 527-3887 (24 hr) SECTION 2: Hazard(S) Identification 2.1. Classification of the substance or mixture CHS-US classification Flam, Liq, 4 Eye Irrit, 2A Asp. To: 1 2.2. CHS Label elements, including precautionary statements CHS-US Iabeling Hazard pictograms (GHS-US) Eignal word (GHS-US) Hazard statements (GHS-US) Frecautionary statements (GH	Use of the substance/mixture	: Oil additive
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GHS-US labeling         Hazard pictograms (GHS-US)         Signal word (GHS-US)         Hazard statements (GHS-US)         Hazard statements (GHS-US)         Precautionary statements (GHS-US)         Precautionary statements (GHS-US)         Signal word (GHS-US)         Precautionary statements (GHS-US)         Signal word word word word word word word word	2.2 GHS Label elements including pr	recautionary statements
Hazard pictograms (GHS-US)       :       Image: Comparison of the provided and enters and the provided and the provided and enters and the provided and the provide		ecautionary statements
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	Precautionary statements (GHS-US)	<ul> <li>Wash hands, forearms and face thoroughly after handling.</li> <li>Wear protective gloves/protective clothing/eye protection/face protection.</li> <li>If swallowed: Immediately call a poison center or doctor</li> <li>Do NOT induce vomiting.</li> <li>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing</li> <li>If eye irritation persists: Get medical advice/attention.</li> <li>Store in a well-ventilated place. Keep cool.</li> <li>Store locked up.</li> <li>Dispose of contents/container to hazardous or special waste collection point, in accordance</li> </ul>
No additional information available	2.3. Other hazards which do not resul	t in classification
	No additional information available	

Unknown acute toxicity (GHS US) 2.4.

Not applicable

### **SECTION 3: Composition/Information on ingredients**

#### 3.1. **Substances**

#### Not applicable

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

3.2. Mixtures		
Name	Product identifier	%
Petroleum Solvent	(CAS-No.) 64742-47-8	30 - 40
Petroleum Solvent	(CAS-No.) 64742-96-7	30 - 40
2-Pentanol, 4-methyl-	(CAS-No.) 108-11-2	10 - <20
Chlorinated Alkanes Chain Length 14-16	(CAS-No.) Proprietary	10 - 20

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures	
4.1. Description of first aid measures	
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
First-aid measures after eye contact	: IF IN EYES: 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.
First-aid measures after ingestion	: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.
4.2. Most important symptoms and effe	cts (acute and delayed)
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.
Symptoms/effects after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### 4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

<b>SECTION 5: Fire-fighting measures</b>	3				
5.1. Suitable (and unsuitable) extinguis	shing media				
Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.				
Unsuitable extinguishing media	: None known.				
5.2. Specific hazards arising from the	chemical				
Fire hazard	: Combustible liquid. Products of combustion may include, and are not limited to: oxides of carbon.				
Explosion hazard	: May form flammable/explosive vapor-air mixture.				
Reactivity	: No dangerous reactions known under normal conditions of use.				
5.3. Special protective equipment and	precautions for fire-fighters				
Protection during firefighting	: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).				
SECTION 6: Accidental release me	asures				
6.1. Personal precautions, protective e	equipment and emergency procedures				
General measures	: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Eliminate sources of ignition.				
6.1.1. For non-emergency personnel No additional information available					
6.1.2. For emergency responders No additional information available					

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

	· · · ·			
6.3. Methods and	d material for containment and cleaning up			
For containment	container. Do not flush	ontain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable intainer. Do not flush to sewer or allow to enter waterways. Use appropriate Personal otective Equipment (PPE).		
Methods for cleaning u	c : Scoop up material and	place in a disposal container. Provide ventilation.		
.4. Reference to	o other sections			
For further information	refer to section 8: "Exposure controls/personal protection	ction"		
SECTION 7: Hand	lling and storage			
7.1. Precautions	for safe handling			
Precautions for safe ha	Do not swallow. Keep a	Avoid contact with skin, eyes and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Keep away from sources of ignition - No smoking. Handle and open container with care. When using do not eat, drink or smoke.		
lygiene measures	: Wash contaminated clo	thing before reuse. Always wash hands after handling the product.		
	or safe storage, including any incompatibilities			
Storage conditions	: Keep out of the reach of	f children. Keep container tightly closed in a cool, well-ventilated place.		
SECTION 8. Expo	sure controls/personal protection			
8.1. Control para				
Petroleum Solvent (				
Not applicable				
Petroleum Solvent (	64742-96-7)			
Not applicable				
2-Pentanol, 4-methy				
ACGIH	ACGIH TWA (ppm)	25 ppm		
ACGIH	ACGIH STEL (ppm)	40 ppm		
OSHA	OSHA PEL (TWA) (mg/m³)	100 mg/m³		
OSHA	OSHA PEL (TWA) (ppm)	25 ppm		
OSHA	Limit value category (OSHA)	prevent or reduce skin absorption		
IDLH	US IDLH (ppm)	400 ppm		
NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	100 mg/m <sup>3</sup>		
NIOSH	NIOSH REL (TWA) (ppm)	25 ppm		
NIOSH	NIOSH REL (STEL) (mg/m <sup>3</sup> )	165 mg/m³		
NIOSH	NIOSH REL (STEL) (ppm)	40 ppm		
NIOSH	US-NIOSH chemical category	Potential for dermal absorption		
Chlorinated Alkanes	Chain Length 14-16 (Proprietary)	1		
emermated Antalies				

8.2. Appropriate engineering controls

Appropriate engineering controls

: Ensure good ventilation of the work station.

Environmental exposure controls

: Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Wear suitable gloves

#### Eye protection:

Wear eye/face protection

#### Skin and body protection:

Wear suitable protective clothing

#### **Respiratory protection:**

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

#### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 0: Physical and chomical r	ronortion		
SECTION 9: Physical and chemical properties 9.1. Information on basic physical and chemical properties			
Physical state	: Liquid		
Appearance	: Clear		
Color	: Red		
Odor	: Hydrocarbon		
Odor threshold	: No data available		
pH	: No data available		
Melting point	: No data available		
Freezing point	No data available		
Boiling point	: > 353 °F (> 178.3 °C)		
Flash point	: 176 °F (80 °C)		
Relative evaporation rate (butyl acetate=1)	: No data available		
Flammability (solid, gas)	: Combustible liquid		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: 0.82		
Solubility	: No data available		
Partition coefficient n-octanol/water	: No data available		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Viscosity, kinematic	: 14 cSt		
Viscosity, dynamic	: No data available		
Explosion limits	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
9.2. Other information			
No additional information available			
SECTION 10: Stability and reactivity			

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

#### 10.2. Chemical stability

Stable under normal conditions. May form flammable/explosive vapor-air mixture.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sources of ignition. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release flammable gases.

<b>SECTION 11: Toxicological informati</b>	on
11.1. Information on toxicological effects	
Acute toxicity	: Not classified

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Petroleum Solvent (64742-47-8)				
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat	> 5.2 mg/l/4h			
Petroleum Solvent (64742-96-7)				
LD50 oral rat	> 5000 mg/kg			
LD50 dermal rabbit	> 2000 mg/kg			
LC50 inhalation rat	> 5.28 mg/l/4h			
2-Pentanol, 4-methyl- (108-11-2)				
LD50 oral rat	2600 mg/kg			
LD50 dermal rabbit	2880 mg/kg			
LC50 inhalation rat	> 4600 ppm (Exposure time: 2 h)			
ATE US (oral)	2600 mg/kg body weight			
ATE US (dermal)	2880 mg/kg body weight			
Skin corrosion/irritation	: Not classified			
Serious eye damage/irritation	: Causes serious eye irritation.			
Respiratory or skin sensitization	: Not classified			
Germ cell mutagenicity	: Not classified			
Carcinogenicity	: Not classified			
Reproductive toxicity	: Not classified			
Specific target organ toxicity - single exposure	: Not classified			
Specific target organ toxicity – repeated exposure	: Not classified			
Aspiration hazard	: May be fatal if swallowed and enters airways.			
Symptoms/effects after inhalation	: May cause irritation to the respiratory tract.			
Symptoms/effects after skin contact	: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.			
Symptoms/effects after eye contact	: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.			
Symptoms/effects after ingestion	: May be fatal if swallowed and enters airways. May result in aspiration into the lungs, causing chemical pneumonia. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.			

<b>SECTION 12: Ecological information</b>					
12.1. Toxicity					
Ecology - general : May cause long-term adverse effects in the aquatic environment.					
Petroleum Solvent (64742-47-8)					
LC50 fish 1	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])				
LC50 fish 2	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])				
12.2. Persistence and degradability					
Engine Tune-Up					
Persistence and degradability	Not established.				
12.3. Bioaccumulative potential					
Engine Tune-Up					
Bioaccumulative potential	Not established.				
Petroleum Solvent (64742-47-8)					
BCF fish 1	61 - 159				
2-Pentanol, 4-methyl- (108-11-2)					
Partition coefficient n-octanol/water	1.43 (at 25 °C)				
12.4. Mobility in soil					
No additional information available					
12.5. Other adverse effects					
Other information	: No other effects known.				

### Safety Data Sheet

according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

<b>SECTION 13: Disposal consideration</b>	IS
13.1. Disposal methods	
Product/Packaging disposal recommendations Additional information	<ul><li>Dispose in a safe manner in accordance with local/national regulations.</li><li>Handle empty containers with care because residual vapors are flammable.</li></ul>
SECTION 14: Transport information	

In accordance with DOT	
14.1. UN number	
UN-No.(DOT)	: NA1993
14.2. UN proper shipping name	
DOT Proper Shipping Name Department of Transportation (DOT) Hazard Classes Packing group (DOT)	: Combustible liquid, n.o.s. (Petroleum; 2-Pentanol, 4-methyl-) : Combustible liquid : III
14.3. Additional information	
Other information	: No supplementary information available.
Special transport precautions	: Do not handle until all safety precautions have been read and understood.

### **15.1. US Federal regulations** All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

15.2. International regulations				
No additional information available				
15.3. US State regulations				
No additional information available				
SECTION 16: Other information				
Date of issue	: 11/20/2017			

Date of issue		11/20/2017
Revision date	:	11/20/2017
Other information	:	None.

SECTION 15: Regulatory information 15.1. US Federal regulations

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