

## Safety Data Sheet

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System

### Section 1 - Chemical Product and Company Identification

1.1 Product Name: **Mechanic in a Bottle Auto**

1.2 B3C Fuel Solutions LLC, 108 Daytona Street, Conway, SC 29526, 843-347-0482

1.3 Recommended Use: Fuel system treatment

1.4 **RESTRICTIONS on USE** THIS IS FOR GASOLINE ENGINES ONLY

1.5 Emergency Response Number: INFOTRAC 800-535-5053

International Emergency Telephone Number: +1-353-323-3500

### Section 2 - Hazards Identification

#### 2.1 GHS HAZARD

##### Hazard Classes

Flammable liquid/vapor

Aspiration Hazard

Eye Irritation

Skin Irritation

Specific Target Organs toxicity single exposure

Specific Target Organs repeated exposure

Acute Toxicity (Oral)

Acute Toxicity (Inhalation)

Acute Toxicity (Dermal)

Carcinogenicity

Mutagenicity

Harmful to aquatic life with long lasting affects

##### Hazard Categories

Category 4

Category 1

Category 2A

Category 2

Category 3

Category 1

Category 4

Category 4

Category 4

Category 2

Category 1B

Category 3

2.2 Signal Word: **Danger**

#### 2.3 Pictograms:



Irritant

Health

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## 2.4 Hazard Statements

PHYSICAL HAZARDS:	H227: Combustible liquid and vapor
HEALTH HAZARDS:	H304: May be fatal if swallowed and enter airways H315: Causes skin irritation H312: Harmful in contact with skin H319: Causes serious eye irritation H332: Harmful if inhaled H336: May cause drowsiness or dizziness H340: May cause genetic defects H350: May cause cancer H372: May cause damage to organs
ENVIRONMENTAL HAZARDS:	H312: May cause long lasting harmful effects to aquatic life.
PRECAUTIONARY STATEMENTS:	P2P: Keep out of reach of children P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood P210: Keep away from sparks and open flames- No smoking P260: Do not breathe vapors P264: Wash hands thoroughly after use P270: Do not eat, drink or smoke when using this product P271: Use only outdoors or in a well-ventilated area P280: Wear protective gloves, clothing, respirator and eye protection
RESPONSE STATEMENTS:	P301 +310+ P331: IF SWALLOWED: <u>USA</u> Immediately call the National POISON CENTER at <b>800-222-1222</b> , <u>OUT SIDE USA</u> Immediately call poison center or doctor.DO NOT induce vomiting P330: Rinse mouth P303+P361+353: IF ON SKIN Take off immediately all contaminated clothing, rinse skin with water P308+P313: If exposed or concerned, get medical attention P304+P349: IF INHALED, Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. Do NOT use mouth-to-mouth resuscitation without proper protection, if breathing is difficult and IF TRAINED, give oxygen. Get medical aid P305+P351: IF IN EYES rinse cautiously with water for at least 15 minutes P306+P361: IF ON CLOTHING, Take off contaminated clothing P370: In case of fire use foam, carbon dioxide, dry chemical to extinguish fire P376: Stop leaks if safe to do so

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STORAGE STATEMENTS:

P403: Keep Cool Store in a well-ventilated place

DISPOSAL STATEMENTS:

P501: Dispose of content and/or container in accordance with local, regional, national or international regulations

## Section 3 - Composition / Information on Ingredients

### 3.1

CAS#	EC#	Chemical Names	Percent	Other Identifiers
N/A	N/A	Blend of Hydrocarbons, polymer and modified glycol ether	100%	None

### 3.2 Blend Contains

Chemical Names	CAS#	EC#
3-Oxa-1-heptanol	111-76-2	203-905-0
Oxirane,2-ethyl, homopolymer,2-aminoethylethyl tridecyl ether, branch	959934-87-3	None Listed
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	265-185-4
Distillates (petroleum), hydrotreated light	64742-47-8	265-149-8

**3.3 Trade Secret Provision and Chemical Concentration Disclosure:** In accordance with OSHA and GHS Regulations we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a range and are applicable to the hazards as identified in this Safety Data Sheet

## Section 4 - First Aid Measures

**4.1 Eye:** Contact with the eyes can cause serious irritation. Symptoms may include discomfort or pain and redness. Severe overexposure can result in swelling of the conjunctiva along with tissue damage.

**Eyes:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

**4.2 Skin:** Prolonged and repeated liquid contact can cause defatting and drying of the skin and can lead to irritation and/or dermatitis.

**Skin:** Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately. Wash clothing before reuse.

**4.3 Ingestion:** Liquid ingestion can cause inebriation, headache, gastrointestinal pain, nausea, and vomiting leading to central nervous system depression. Aspiration of liquid into the lungs must be avoided as even small quantities in the lungs can produce chemical pneumonia, pulmonary edema and even death.

**Ingestion:** Do NOT induce vomiting. Get medical aid immediately.

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**4.4 Inhalation:** Prolonged breathing of high vapor concentrations can produce headache, dizziness, nausea, and impaired vision. Excessive overexposure can cause central nervous system depression, loss of consciousness, liver damage and death resulting from respiratory failure.

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

**4.5 After first aid, get appropriate paramedic, or community medical support.** The severity of outcome following ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure.

**4.6 Note to Physicians:** If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment we will immediately disclose the specific chemical identity. Call CHEMTREC 800-424-9300 or 703-527-3887. We will require a written statement of need and confidentiality agreement, in accordance with OSHA's Trade Secret Regulations as soon as circumstances permit. In non-emergency situations, we will upon written request disclose a specific chemical identity

## Section 5 - Fire-Fighting Measures

### 5.1 General Fire Hazards

Use water to cool containers exposed to fire

### 5.2 Hazardous Combustion Products

Avoid fumes of burning product.

### 5.3 Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog

**5.4 Fire Fighting Equipment/Instructions** Large fires evacuate area and fight fire from a safe distance or protected location. Approach fire from upwind to avoid exposure to this material and its toxic decomposition products. Wear full protective gear if exposure is possible.

## Section 6 - Accidental Release Measures

**6.1 Spill /Leak Procedures:** Ventilate area. Wear adequate protective equipment. Spillages of liquid product will create a fire hazard and may form an explosive atmosphere. Keep all sources of ignition away from the spill.

**6.2 Spills:** Avoid direct contact with material. Stop leak if without risk. Move containers from spill area. Prevent entry into sewers or waterways. Contain and collect spillage with non-combustible, absorbent material such as sand, earth, vermiculite or diatomaceous earth and place in a container for disposal.

## Section 7 - Handling and Storage

**7.1 Handling Precautions:** Keep away from ignition sources such as heat, sparks and open flames **NO SMOKING** Take precautionary measures against static discharge. Non-sparking tools should be used. Wear protective gloves, clothing and eye protection. Wash thoroughly after handling. Use good personal hygiene practices and wear appropriate personal protective equipment. Empty containers retain residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury or death.

**7.2 Storage Requirements:** Store in original manufacture container tightly closed container in a cool, dry and well-ventilated area.

**7.3 Chemical Incompatibilities:** Strong oxidizing agents and strong reducing agents.

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## Section 8 - Exposure Controls / Personal Protection

8.1	Chemical Names	ACGIH- TLV	OSHA - PEL
	Blend of Hydrocarbons, polymer and modified glycol ether	25 ppm	*50 ppm

### 8.2

**ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.**

**OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.**

**NOTE: TWA Means** "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour work week which shall not be exceeded."

\*Listed on the OSHA Z1 Table

**8.3 Ventilation:** Provide a general or local exhaust ventilation system to maintain airborne concentrations below TLV/PELs Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**8.4 Contaminated Equipment:** Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

### 8.5 Personal protective equipment

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type AXBEK (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).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Nitrile rubber

Splash contact: Nitrile rubber

Eye protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

Impervious clothing, flame retardant antistatic protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

### 8.6 Protective Clothing Pictograms



Splash Goggles



Gloves



Protective Apron



Vapor Respirator

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## Section 9 - Physical and Chemical Properties

### 9.1

**Physical State:** Liquid  
**Appearance:** Various  
**Odor:** Petroleum solvent order  
**Vapor Pressure:** 329.9 mmHg@21°C  
**Vapor Density (Air=1):** Not Applicable  
**Specific Gravity (H<sub>2</sub>O=1,):** 0.90 @ 68°F / 20°C  
**Relative Density:** Not Available  
**Odor Threshold:** Not Available  
**Flammability (solid, gas):** Not Applicable.  
**Evaporation rate:** Not Available  
**Partition coefficient octanol/water:** Not Available

**Water Solubility:** Slightly soluble  
**Flash Point:** 149°F (65°C) closed cup  
**Boiling Point:** 366°F (169°C)  
**Lower Explosive Limits (vol % in air):** 1%  
**Upper Explosive Limits (vol % in air):** 6%  
**Melting Point:** Not Available  
**Viscosity:** Kinematic 2.11 cm<sup>2</sup>/s@104°F,40°C  
**Auto ignition Temperature:** Not Available  
**pH:** None

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under ordinary conditions of use and storage.

**10.2 Polymerization:** Hazardous polymerization has not been reported.

**10.3 Chemical Incompatibilities:** Strong oxidizing agents and Perchloric Acid

**10.4 Hazardous Decomposition Products:** Peroxides

**10.5 Conditions to Avoid:** Heat, sparks, open flames, other ignition sources.

## Section 11- Toxicological Information

### 11.1

Product Name	Results	Species	Dose	Exposure
Blend of Hydrocarbons, polymer and modified glycol ether	Oral LD50	Rat	625 mg/kg	4 hours
Blend of Hydrocarbons, polymer and modified glycol ether	Inhalation LC50	Rat	925 ppm	4 hours
Blend of Hydrocarbons, polymer and modified glycol ether	Dermal LC50	Rabbit	500 mg/kg	None Listed

**11.1.1** OECD Guideline 401 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause Oral Toxicity.

**11.1.2** OECD Guideline 403 Tests results found in the European Chemical Agency Data Base shows that components of this product to be Inhalation Toxicity.

**11.1.3** OECD Guideline 402 Tests results found in the European Chemical Agency Data Base shows that components of this product to Dermal Toxicity.

**11.2 Route of Entry:** Inhalation, Ingestion, Absorption, Skin and/or Eye Contact

**11.3 Aspiration Hazard:** Aspiration Hazard: European Chemical Agency Data Base shows that components of this product may be fatal if swallowed and enters airways.

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**11.4 Mutagenicity:** OECD Guideline 476 Tests results found in the European Chemical Agency Data Base show components of this product to cause genetic defects.

**11.5 Skin Corrosion/Irritation:** OECD Guideline 404 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause skin irritation. Repeated exposure may cause skin dryness or cracking.

**11.6 Serious Eye Damage/Irritation:** OECD Guideline 405 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause serious eye irritation.

**11.7 Reproductive toxicity:** OECD Guideline 421 Tests results found in the European Chemical Agency Data Base show no components of this product to cause damage to fertility or the unborn child.

**11.8 Specific Target Organ Toxicity (Single Exposure):** May cause drowsiness and dizziness.

**11.9 Specific Target Organ Toxicity (Repeated Exposure):** Contains material which may cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

**11.10 Signs and Symptoms:** Effects due to exposure may include: Headache, Dizziness, Drowsiness, Metabolic Acidosis, Coma, Seizures. Symptoms may be delayed.

**11.11 Carcinogenicity:** OECD Guideline 453 Tests results found in the European Chemical Agency Data Base shows that components of this product to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Blend of Hydrocarbons, polymer and modified glycol ether	Not classified as a carcinogenicity to humans	Confirmed animal with unknown relevance to humans	Not listed	Not Listed

## Section 12 - Ecological Information

### 12.1

Product Name	Results	Species	Exposure
Blend of Hydrocarbons, polymer and modified glycol ether	Expected to be harmful to aquatic organisms. May cause long-term adverse effects in the environment		

**12.2 Toxicity:** These substances is regarded as toxic to aquatic organisms

**12.3 Mobility:** Floats on water, absorbs into soil and has low mobility.

**12.4 Persistence/degradability:** No data found.

**12.5 Bioaccumulation:** No date found.

## Section 13 - Disposal Considerations

**13.1 Disposal: DO NOT REUSE EMPTY CONTAINER!** Container should be completely emptied prior to discard. Container with residues should be considered to be hazardous wastes. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

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## Section 14 - Transport Information

### 14.1 DOT Transport Information



**ID No.:** NA 1993

**Shipping Name:** Combustible liquid n.o.s. (3-Oxa-1-heptanol, Distillates (petroleum), hydrotreated light)

**Hazard Class:** Combustible

**Packing Group:** III

**Label:** none NOTE: 55 gallon drums or less not regulated per 49 CFR 173.150(f) (2)

**Placard:** Combustible

## Section 15 - Regulatory Information

### 15.1 US Regulations:

**TSCA:** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**CERCLA Hazardous Substances and corresponding RQs:** None

**SARA Community Right-to-Know Program:** None

**Clean Water Act:** None

**Clean Air Act:** None

**OSHA:** All ingredients are listed in 1910.1200

### State Regulations

**California prop. 65:** None

### Chemicals on the following State Right to Know Lists:

**Massachusetts:** All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements.

**New Jersey:** All components of this product are on the New Jersey inventory or are exempt from Inventory requirements.

**Pennsylvania:** All components of this product are on the Pennsylvania Inventory or are exempt from Inventory requirements.

## Section 16 - Other Information

**16.1 Disclaimer:** The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.



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**16.2 References:** CHEMpendium data base of Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller on Line, European Chemical Agency Data Base and MSDS and SDS of chemicals in this mixture.

**16.3 SDS Preparation Date** 12/26/2016

**SDS Previous Issue Date:** None

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