



V:151027

## Safety Data Sheet

**Material Name:** WARCO Diesel Fuel Treatment

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Product Name:** WARCO Diesel Fuel Treatment

**Product Code:** WAB-0100-0150

**Product Use:**

Warco Products Inc.  
12505 SW Herman Rd.  
Tualatin, OR 97062  
USA

Phone: 1-503-783-0250  
Emergency # CHEMTREC  
1-800-424-9300  
[www.warcopro.com](http://www.warcopro.com)

### \*\*\* Section 2 - Hazardous Identification \*\*\*

<b>Appearance</b>	Clear to slightly cloudy liquid
<b>Odor</b>	Hydrocarbon odor
<b>Signal Word</b>	WARNING! Flammable. May cause skin irritation. May cause eye irritation. May cause respiratory tract irritation.
<b>OSHA Regulatory Status</b>	Combustible liquid and vapor
<b>Route of Exposure</b>	Dermal, inhalation, ingestion
<b>Precautions</b>	Avoid eye, skin contact
<b>Inhalation</b>	Avoid breathing dust/fume/gas/mist/vapors/spray. Keep container tightly closed. Use only with adequate ventilation.
<b>Eyes</b>	Avoid contact with eyes. Wash thoroughly after handling.
<b>Skin</b>	Avoid contact with skin and clothing. Wash thoroughly after handling.
<b>Medical Conditions Aggravated by Exposure</b>	Pre-existing disorders involving any target organs mentioned in this SDS as being at risk may be aggravated by over-exposure to this product.
<b>Chronic Effects</b>	See Section 11 for complete health hazard information.
<b>Environmental Effects</b>	See Section 12 for complete ecological information.

**\*\*\* Section 3 - Composition/Information on Ingredients \*\*\***

CAS No.	Component	Percent
8052-41-3	Stoddard Solvent	50-90
100-41-4	Ethyl Benzene	0-0.09
111-84-2	Nonane	0.9-10
25551-13-7	Trimethylbenzene	0.6-15
64742-94-5	Petroleum Naphtha	6.0-15
27247-96-7	2-Ethylhexyl nitrate	2.0-10
91-20-3	Naphthalene	0-1
95-63-6	1,2,4-Trimethylbenzene	0-1

**\*\*\* Section 4 - First Aid Measures \*\*\***

**Inhalation (Breathing):** Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt, or waistband. Get medical attention immediately.

**Skin:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

**Eyes:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Ingestion (Swallowing):** DO NOT INDUCE VOMITING. If conscious, rinse out mouth with water. Get medical attention immediately.

**Note to Physicians:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and clinical conditions. A serious potential effect is aspiration pneumonitis, which may lead to non-cardiogenic pulmonary edema. The patient should be observed for signs of lung injury if aspiration is suspected.

**\*\*\* Section 5 - Fire Fighting Measures \*\*\***

**Flammable Properties:** Static accumulating liquid

**Extinguishing Media:** Use dry chemical, CO<sub>2</sub>, water spray (FOG), or foam

**Specific Hazards Arising from Chemical:** Elevated temperatures can lead to the formation of irritating fumes and vapors. Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides and hydrocarbons.

**Protective Equipment and Precautions for Firefighters:** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**\*\*\* Section 6 - Accidental Release Measures \*\*\***

**Personal Precautions:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution.

**Methods for Containment:** Stop leak if without risk.

**Methods for Cleanup:** Move containers from spill area. Approach release from upwind. Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**\*\*\* Section 7 - Handling and Storing \*\*\***

**Handling Procedures:** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Use non-sparking tools.

**Shipping and Storing Procedures:** Store in accordance with local regulations. Store in a segregated and approved area. Keep in the original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials. Do not store in unlabeled containers. Store and use away from heat, sparks, open flame or any other ignition source. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers that retain product residue may be hazardous. Do not reuse container.

**Warnings:** Harmful or fatal if swallowed. Contains petroleum distillates. Avoid eye contact. Avoid contact with skin or clothing. Avoid breathing vapors. Use with adequate ventilation. Wash exposed skin thoroughly with soap and water after use. Combustible liquid. Keep container away from heat, sparks, flames and other sources of ignition. Keep container closed when not in use. Store in a cool, dry area away from heat, oxidizers and all other sources of ignition. Empty containers retain product residue. Do not reuse empty containers.

**\*\*\* Section 8 - Exposure Control/Personal Protection \*\*\***

**Product Exposure Limits**

Stoddard Solvent

**ACGIH TLV:** TWA: 100 ppm TWA: N/A mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**OSHA PEL:** TWA: 500 ppm TWA: 2900 mg mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**NIOSH REL:** TWA: 350 ppm TWA: N/A mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

Petroleum Naphtha

**ACGIH TLV:** TWA: N/A ppm TWA: 5 mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**OSHA PEL:** TWA: N/A ppm TWA: N/A mg mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**Other:** TWA: 100 ppm TWA: N/A mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

2-Ethylhexyl nitrate

**ACGIH TLV:** TWA: N/A ppm TWA: N/A mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**OSHA PEL:** TWA: N/A ppm TWA: N/A STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**Other:** TWA: 1 ppm TWA: N/A mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

Naphthalene

**ACGIH TLV:** TWA: 10 ppm TWA: N/A mg/m<sup>3</sup> STEL: 15 ppm STEL: N/A mg/m<sup>3</sup>

**OSHA PEL:** TWA: 10 ppm TWA: N/A mg mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**NIOSH REL:** TWA: N/A ppm TWA: N/A mg/m<sup>3</sup> STEL: N/A ppm STEL: N/A mg/m<sup>3</sup>

**Engineering Controls:** Static accumulating liquid. Ground/bond containers and equipment. Material should be handled in enclosed vessels and equipment. Use only in adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Eye/Face Protection:** Chemical goggles or face shield.

**Skin Protection:** Chemical resistant, impervious gloves complying with an approved standard should be worn at all times. Coveralls, apron and boots as necessary to minimize contact.

**Respiratory Protection:** Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicated this is necessary. Respirator selection must be based on known or anticipated exposure levels.

**General Hygiene:** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing.

**\*\*\* Section 9 - Physical and Chemical Properties \*\*\***

<b>Appearance</b>	Clear to slightly cloudy	<b>Vapor Pressure (mm Hg @ 20° C)</b>	Not determined
<b>Odor</b>	Hydrocarbon	<b>Water Soluble</b>	No
<b>Physical State</b>	Liquid	<b>Specific Gravity (g/cc)</b>	0.77-0.83
<b>Flash Point (°F)</b>	105	<b>Density (lbs/gal)</b>	6.4-6.9
<b>Boiling Point (°F)</b>	Not determined	<b>pH</b>	Not available

**\*\*\* Section 10 - Stability and Reactivity \*\*\***

**Stability:** Stable under normal conditions.

**Polymerization:** No polymerization.

**Incompatibility:** Strong acids and oxidizing materials.

**Conditions to Avoid:** High temperatures can cause flash fire.

**Hazardous Decomposition Products:** Smoke, carbon monoxide, carbon dioxide, hydrocarbons, and other products of incomplete combustion.

**\*\*\* Section 11 - Toxicological Information \*\*\***

**Acute Exposure Respiratory Irritation:** May cause respiratory tract irritation. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract.

**Eye Irritation:** May cause eye irritation. Vapors formed from heating may cause eye irritation.

**Skin Irritation:** May cause skin irritation. Prolonged or repeated direct exposure to the skin may result in symptoms of irritation and redness.

**Sensitization:** Not expected to cause skin or respiratory sensitization.

Component Analysis LD50/LC50

Acute Toxicity Estimate Values for Product

Inhalation LC50                      Rat>20 mg/L 1 HR

Oral LD50                              Rat>7000 mg/kg

Dermal LD50                         Rabbit>2000 mg/kg

**Chronic Exposure of Target Organ Effects:** Data indicates reversible internal organ effects.

**Carcinogenicity:** The components greater than 0.1% listed as carcinogenic by IARC, NTP, ACGIH or OSHA are: naphthalene.

**Mutagenicity:** No data available to indicate either product or components present at greater than 0.1% are mutagenic or genotoxic.

**Reproductive Toxicity:** No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity.

**Teratogenicity:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

**\*\*\* Section 12 - Ecological Information \*\*\***

**Component Analysis: Ecotoxicity - Aquatic Life**

**Duration/Test/Species**

Freshwater Fish Toxicity Acute LC50

Freshwater Invertebrates EC50

Algal Inhibition EC50

**Concentration/Conditions**

ND mg/L

ND mg/L

ND mg/L

**Acute Toxicity:** May be toxic to animal/aquatic life.  
**Chronic Toxicity:** Do not dispose of in waterways or wetlands.  
**Degradability:** Not determined.  
**Bioaccumulation:** Not determined.  
**Soil Mobility:** Not determined.  
**Photodegradation:** Yes.  
**Partition Coefficient:** Not determined.  
**Stability in Water:** Stable to hydrolysis.

**\*\*\* Section 13 - Disposal Considerations \*\*\***

**Disposal Instructions:** The generation of waste should be avoided or minimized wherever possible. Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and local regulations.

**\*\*\* Section 14 - Transport Information \*\*\***

**Emergency Response Guide**

No. 128; North American Emergency Response Guide Book

**U.S. DOT Bulk**

UN Number 1268; Shipping Name: Petroleum Distillates, N.O.S.; Hazard Class: Flammable liquid; Packing Group: III

**U.S. DOT Non-Bulk**

Non-regulated; Exempt unless shipping by air/vessel. Contact shipper for instructions. Flammable Liquid; Limited quantity if exported/ UN 1268

**\*\*\* Section 15 - Regulatory Information \*\*\***

**SARA Extremely Hazardous Substances (Sections 302 & 304)**

This product does not contain greater than 1% of any extremely hazardous substances listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or 304 as identified in 40 CFR Part 355, Appendix A and B.

**SARA Section 313**

This product contains naphthalene, which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization act of 1986 and 40 CFR Part 372.

**SARA Section 311 & 312 Classifications**

Acute Hazard: Yes  
Chronic Hazard: Yes  
Fire Hazard: Yes  
Reactivity Hazard: Yes

**CERCLA**

This product contains the following components listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4. Ethylbenzene

**California Prop 65**

This product contains the following chemicals known by the State of California to cause cancer and/or birth defects: naphthalene.

**Clean Water Act/Oil Pollution Act**

This product contains petroleum distillates and may be subject to regulation by Section 311 of the Clean Water Act and the Oil Pollution Act. Releases of the product into or leading to surface waters must be reported to the National Response Center at 1-800-424-8802.

**Global Chemical Inventories**

<b>Inventory</b>	<b>Component</b>
	All Components
US TSCA	Present
EU	Present
Japan	Not available
Australia	Present
New Zealand	Present
Canada	Present
Switzerland	Not available
Korea	Present
Philippines	Present
China	Present
Taiwan	Not available

**\*\*\* Section 16 - Other Information \*\*\*****US NFPA Ratings**

Health: 2

Fire: 2

Reactivity: 1

**HMIS Ratings**

Health: 2

Fire: 2

Physical Hazards: 0

**Precautionary Labels:****Signal word:**

WARNING!

Flammable liquid and vapor. May cause explosions, flash fires. Static accumulating liquid. Harmful if swallowed or inhaled. Causes eye, skin, respiratory tract irritation and damage. May cause internal organ effects.

**Revision Information**

New SDS: 05/01/2015

**Disclaimer:**

User assumes all risks incident to the use of this product. To the best of our knowledge, the information herein is accurate. However, Warco Products Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplier to the user.