



SAFETY DATA SHEET

WARCO OIL TREATMENT

V#060115

SECTION 1: Product and Company Identification

1.1 Product identifier: WARCO OIL TREATMENT

Product Code: 411F

1.2 Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.

1.3 Application of the substance / the preparation: Oil additive.

1.4 Details of the supplier of the safety data sheet

MANUFACTURER: WARCO Products, Inc.
12505 SW HERMAN RD.
Tualatin, OR. 97062
Phone # 503-783-0250

1.5 Emergency Telephone Number(S) Chemtrec:(800) 424-9300 (24 Hrs)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

— **Classification according to Regulation (EC) No 1272/2008**

The following classifications are applicable only to the general GHS regulations and not the specific CLP regulation: 2,6/4 - Combustible Liquid.

The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation: H227.

H227: Combustible Liquid. (General GHS and USA only)

The product is not classified according to the CLP regulation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Classification system: The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The following Hazard Statements are applicable only to the general GHS regulations and not the specific CLP regulation:

H227 N/A

Hazard pictograms N/A

Signal word N/A

Hazard statements

H227: Combustible Liquid. (General GHS and USA only) : N/A

Additional information: Safety data sheet available on request.

- Hazard description:
- WHMIS-symbols: B3 - Combustible liquid
D2B - Toxic material causing other toxic effects



NFPA ratings (scale 0 - 4)



Health = 1
Fire = 1
Reactivity = 0

HMIS-ratings (scale 0 - 4)

HEALTH	1
FIRE	1
REACTIVITY	0

Health = 1
Fire = 1
Reactivity = 0

HMIS Long Term Health Hazard Substances: None of the ingredients is listed.

2.3 Other hazards



- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/Information on Ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	>50%
EINECS: 265-157-1	Carc. Cat. 2	
Index number: 649-467-00-8		
CAS: 25038-36-2	Ethylene/propylene/diene terpolymer	<10%
	 Xi R36	
	 Eye Irrit. 2, H319	

Additional information: For the wording of the listed risk phrases refer to section 16.

Note L: The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions - Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This product meets these requirements.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

Immediately remove any clothing soiled by the product.
Take affected persons out into the fresh air.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Hazards No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed: Treat skin and mucous membrane with antihistamine and corticoid preparations.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

- Foam
- Carbon dioxide
- Gaseous extinguishing agents
- Fire-extinguishing powder
- Water haze or fog

For safety reasons unsuitable extinguishing agents:

- Water with full jet
- Water spray

5.2 Special hazards arising from the substance or mixture

- In case of fire, the following can be released:
- Carbon monoxide (CO)

5.3 Advice for firefighters

Protective equipment

Wear self-contained respiratory protective device.
Wear fully protective suit.

5.4 Additional information: Cool endangered receptacles with water fog or haze.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective equipment. Keep unprotected persons away.
- Particular danger of slipping on leaked/spilled product.
- Keep away from ignition sources.

6.2 Environmental precautions:

- Inform respective authorities in case of seepage into water course or sewage system.
- Do not allow to enter sewers/ surface or ground water.
- Do not allow to penetrate the ground/soil.
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6.3 Methods and material for containment and cleaning up:

- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Remove from the water surface (e.g. skim or suck off).
- Pick up mechanically.
- Dispose contaminated material as waste according to item 13.
- Clean the affected area carefully; suitable cleaners are:
- Organic solvent

6.4 Reference to other sections

- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace. Avoid the formation of oil haze.

Information about fire - and explosion protection:

- Keep ignition sources away - Do not smoke.
- When heated the product forms flammable fumes.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

- Avoid storage near extreme heat, ignition sources or open flame.
- Provide ventilation for receptacles.

Information about storage in one common storage facility:

- Store away from foodstuffs.
- Store away from oxidizing agents.

Further information about storage conditions:

- Store in cool, dry conditions in well sealed receptacles.
- Keep container tightly sealed.
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7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs No further relevant information available.

PNECs No further relevant information available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Do not inhale gases / fumes / aerosols. Avoid contact with the eyes and skin.

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

Protection of hands: Protective gloves



- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
- Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material: The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact gloves made of the following materials are suitable: Rubber gloves

Eye protection: Safety glasses



Body protection: Oil resistant protective clothing

Limitation and supervision of exposure into the environment: No further relevant information available.

Risk management measures: See Section 7 for additional information. No further relevant information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form:	Viscous
Colour:	Amber coloured
Odour:	Petroleum-like
Odour threshold:	Not determined.

pH-value: Not determined.

Change in condition

Melting point/Melting range	Undetermined.
Boiling point/Boiling range	Undetermined.

Flash point: 375°F /190 °C

Flammability (solid, gaseous): Not applicable

Ignition temperature: Not determined.

Decomposition temperature: Not determined.

Self-igniting: Product is not self-igniting.

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure: Not determined.

Density at 20 °C: 0.83-0.87 g/cm³

Relative density Not determined.

Vapour density Not determined.

Evaporation rate Not determined.

Solubility in / Miscibility with water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water) at 20 °C: > 4.0 log POW (Estimate)

Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

Solvent content:
Solids content:

Organic solvents:	Not determined.
	Not determined.

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions: Reacts with strong oxidizing agents. Reacts with strong acids. Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

10.4 Conditions to avoid: Store away from oxidizing agents. Keep ignition sources away - Do not smoke.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Hydrocarbons. Carbon monoxide and carbon dioxide

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

on the skin: Slight irritant effect on skin and mucous membranes.

on the eye: Slight irritant effect on eyes.

Sensitization: No sensitizing effects known.

Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU.

Classification Guidelines for Preparations as issued in the latest version: Irritant.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Repeated dose toxicity: Repeated exposures may result in skin and/or respiratory sensitivity.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: The material is harmful to the environment.

Persistence and degradability The product is degradable after prolonged adaptation.

12.3 Bioaccumulative potential: Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.

12.4 Mobility in soil No further relevant information available.

Ecotoxicical effects:

Remark: Due to mechanical actions of the product (e.g. agglutinations) damages may occur. The product is oxygen-consuming. The declared action may be partly caused by lack of oxygen.

Additional ecological information:

General notes:

This statement was deduced from products with a similar structure or composition. Avoid transfer into the environment. Due to the consistence and the low watersolubility of the product a bioavailability is not probable. Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded. Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

Waste Treatment Methods

Recommendation: Product is recyclable as a waste oil. Deliver unused and/or contaminated product to waste oil collectors. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

DOT, ADR, ADN, IMDG, IATA N/A

14.2 UN proper shipping name

DOT, ADR, ADN, IMDG, IATA N/A

14.3 Transport hazard class(es)

DOT, ADR, ADN, IMDG, IATA
Class N/A

14.4 Packing group DOT, ADR, IMDG, IATA	N/A
14.5 Environmental hazards: Marine pollutant:	No
14.6 Special precautions for user	Not applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code UN "Model Regulation	Not applicable. -

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture United States (USA) SARA

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): None of the ingredients is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic Categories

EPA (Environmental Protection Agency) None of the ingredients is listed.

IARC (International Agency for Research on Cancer) None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL) All ingredients are listed.

Canadian Ingredient Disclosure list (limit 0.1%) None of the ingredients is listed.

Canadian Ingredient Disclosure list (limit 1%) None of the ingredients is listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H319 Causes serious eye irritation.

R36 Irritating to eyes.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

Always consult your owner's manual for correct application of oil to be used.

HANDLING AND SAFETY INFORMATION - Refer to WARCO (MSDS) Material Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties