

MATERIAL SAFETY DATA SHEET

ONSHORE OILS

Product: TRU-GRIT ENVIRON AW 32 46 68

Date of Issue: MARCH 2014

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SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: ONSHORE OILS PTY LTD
ADDRESS: P.O. Box 7177, Hemmant QLD 4174

Trade Name: TRU GRIT ENVIRON AW 32 46 68

TELEPHONE: 07 3348 8388 **FAX:** 07 3390 7455
AH EMERGENCY TELEPHONE: 13 1126 in Australia **ABN:** 94 069 964 834

Identification of the substance or preparation

Product name : ENVIRON™AW 32, 46, 68

Code : 490-130, ENVAW32; 490-131, ENVAW46; 490-132, ENVAW68

Use of the

substance/preparation : ENVIRON AW ashless hydraulic oils are designed for use in mobile and stationary hydraulic equipment using vane-, piston- and gear-type pumps. The ashless, or zinc-free, additive system used in ENVIRON AW oils makes them especially suitable for use in environmentally sensitive areas. They are well suited for high pressure applications such as found in axial piston pumps.

SECTION 2 – HAZARDS IDENTIFICATION

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification : Not classified.

See section 11 for more detailed information on health effects and symptoms.

SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4 – FIRST AID MEASURES

First-aid measures

Inhalation : Move exposed person to Fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Obtain medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical attention if symptoms occur.

Skin contact : Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Obtain medical attention if symptoms occur.

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Notestophysician No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

See section 11 for more detailed information on health effects and symptoms.

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SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing media

Suitable: Use an extinguishing agent suitable for the surrounding fire.

Not suitable: None known.

Special exposure

Hazards : In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Products of combustion :

Carbon oxides (CO, CO₂), nitrogen oxides (NO_x), sulphur oxides (SO_x), sulphur compounds (H₂S), smoke and irritating vapours as products of incomplete combustion.

Special protective : equipment for fire- fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Remark

Do not pressurise, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

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 spilt material. Put on appropriate personal protective equipment (see section 8).

Environmental precautions : Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

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SECTION 7 – HANDLING AND STORAGE

Handling

:Put on appropriate personal protective equipment (see section 8). 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.

Storage

Packaging materials:

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers.

Recommended :

Use appropriate containment to avoid environmental contamination.
Use original container.

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SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure limit values

Ingredient name

Mixture of severely hydrotreated and hydrocracked base oil (petroleum).

Recommended monitoring Procedures

Occupational exposure limits

ACGIH TLV (United States). Notes: (oil mist)

TWA: 5 mg/m³ 8 hour(s).

STEL: 10 mg/m³ 15 minute(s).

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

Occupational exposure controls

: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Hygiene measures :

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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection :

Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. 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. Recommended: organic vapour filter

Hand protection :

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye protection :

Recommended: neoprene, nitrile, polyvinyl alcohol (PVA), Viton. Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin protection :

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure : controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

General information Appearance Physical state : Colour : Odour :	Viscous liquid. Pale, straw-yellow. Mild petroleum oil like.
Important health, safety	and environmental information
Flash point Relative density : Solubility : Viscosity :	Open cup: >227°C : (>440.6°F) [Cleveland.] 0.8587 to 0.8688 kg/L @ 15°C (59°F) Insoluble in water.
Pour Point :	32: 32.1 cSt @ 40°C (104°F), 5.4 cSt @ 100°C (212°F), VI=101; 46: 46.1 cSt @ 40°C (104°F), 6.79 cSt @ 100°C (212°F), VI=101; 68: 67.9 cSt @ 40°C (104°F), 8.74 cSt @ 100°C (212°F), VI=101
	32: -42°C (-44°F); 46: -36°C (-33°F); 68: -33°C (-27°F)

SECTION 10 – STABILITY AND REACTIVITY

Chemical stability : The product is stable

Materials to avoid : Reactive with oxidising agents and acids.

Hazardous decomposition products : May release CO_x, NO_x, SO_x, H₂S, PO_x, methacrylate monomers, aldehydes, alkyl mercaptans, smoke and irritating vapours when heated to decomposition

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SECTION 11 – TOXICOLOGICAL INFORMATION

Potential acute health effects

Inhalation

: No known significant effects or critical hazards.

Ingestion

: No known significant effects or critical hazards.

Skin contact

: No known significant effects or critical hazards.

Eye contact

: No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name

Mixture of severely hydrotreated and hydrocracked base oil (petroleum).

Result

LD50 Dermal

Species

Rabbit

Dose

>2000 mg/kg

Exposure

-

LD50 Oral

Rat

>5000 mg/kg

-

LC50 Inhalation

Dusts and mists Rat

>2500 mg/m³

4 hours

Conclusion/Summary

: Not available.

Potential chronic health effects

Chronic toxicity

Conclusion/Summary

: Not available.

Irritation/Corrosion

Conclusion/Summary

: Not available.

Sensitiser

Conclusion/Summary

: Not available.

Carcinogenicity

Conclusion/Summary

: Not available.

Mutagenicity

Conclusion/Summary

: Not available.

Teratogenicity

Conclusion/Summary

: Not available.

Reproductive toxicity

Conclusion/Summary

: Not available.

Chronic effects

: No known significant effects or critical hazards.

Carcinogenicity

: Not listed as carcinogenic by OSHA, NTP or IARC.

Mutagenicity

: No known significant effects or critical hazards.

Teratogenicity

: No known significant effects or critical hazards.

Developmental effects

: No known significant effects or critical hazards.

Fertility effects

: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation

: No specific data.

Ingestion

: No specific data.

Skin

: No specific data.

Eyes

: No specific data.

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SECTION 12 – ECOLOGICAL INFORMATION

Environmental effects : Inherently biodegradable

Aquatic ecotoxicity

Product/ingredient name

ENVIRON™AW 32, 46, 68

Test

OECD 202

Result

EC50 480mg/l

Species

Daphnia - 48 hours

Daphnia magna

Sludge - 3 hours

Activated sludge

(respiration

Inhibition)

Fish – Rainbow 96 hours

trout

(Oncorhynchus

mykiss

Conclusion/Summary

: Not available.

Biodegradability

Conclusion/Summary

: This product is inherently biodegradable.

Other adverse effects

: No known significant effects or critical hazards.

SECTION 13 – DISPOSAL CONSIDERATIONS

Methods of disposal: The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

Hazardous Waste: Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

SECTION 14 – TRANSPORT INFORMATION

International transport regulations

Regulatory

Information

UN number

Proper shipping name

Classes

PG*

Label

Additional information

ADR/RID Class

Not available.

Not available.

Not available. -

-

ADNR Class

Not available.

Not available.

Not available. -

-

IMDG Class

Not available.

Not available.

Not available. -

-

IATA Class

Not available.

Not available.

Not available. -

-

PG*: Packing group

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SECTION 15 – REGULATORY INFORMATION

EU regulations

Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.

Risk phrases : This product is not classified according to EU legislation.

Other EU regulations

Additional warning phrases : Safety data sheet available for professional user on request.

International regulations

Canada inventory : All components are listed or exempted.

United States inventory : All components are listed or exempted.

(TSCA 8b)

Europe inventory : All components are listed or exempted.

SECTION 16 – OTHER INFORMATION

Key data sources : Available upon request.

TM/MC Marque de commerce de Petro-Canada - Trademark

History

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Date of issue/ Date of : 13 March 2014

revision

Date of previous issue : No previous validation.

Prepared by : Product Safety - DSR

Indicates information that has changed from previously issued version.

12. ECOLOGICAL INFORMATION

Methods of disposal :

Hazardous waste :

ENVIRON™ AW32, 46,68

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For Product Safety Information: (001) 905- 804-4752

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above -named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.