

AMERICAN REFINING GROUP INC.
MATERIAL SAFETY DATA SHEET

BRAD PENN[®] PREMIUM R&O AW 32
HYDRAULIC OIL

PRODUCT CODE: BP-7380

NFPA HAZARD RATING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Insignificant

PRODUCT NFPA HAZARD RATING

- Health - 0
- Fire - 1
- Reactivity - 0

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DIVISION AND LOCATION---SECTION I

Division: LUBRICANTS AND SPECIALTY PRODUCTS DIVISION

Location: BRADFORD, PENNSYLVANIA

77 N. KENDALL AVE, BRADFORD, PA, 16701

Emergency Telephone Number: (814) 368-1297

Transportation Emergency: CHEMTREC 1-(800) 424-9300 (U.S. and Canada)

CHEMICAL AND PHYSICAL PROPERTIES---SECTION II

Chemical Name: petroleum hydrocarbon plus additives

Formula: not applicable

Hazardous Decomposition Products:

carbon monoxide and carbon dioxide from burning.

Incompatibility (Keep away from):

strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

<u>Product Components</u>	<u>CAS No.</u>	<u>% (Volume)</u>
Hydrotreated Heavy Paraffinic Distillate	84742-54-7	95 - 97
Solvent Refined Light Paraffinic Distillate	84741-89-5	2 - 4
Additives	Mixture	0.5 - 0.7

Form: liquid

Odor: bland

Appearance: liquid

Color: amber

Specific Gravity (water=1): .87 to .88

Boiling Point: greater than 330°C (625°F)

Melting Point: less than -33°C (-27°F)

Solubility in Water (by weight %): 0 at 20°C

Evaporation Rate: not determined

Vapor Pressure (mm Hg at 20°C): 0

Vapor Density (air=1): not volatile

pH (as is): not applicable

Stability: Product is stable under normal conditions

Viscosity SUS at 100°F: Greater than or = to 100

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FIRE AND EXPLOSION DATA--SECTION III

Special Fire Fighting Procedures:

Do not use water except as fog.

Unusual Fire and Explosion Hazards:

Do not cut, weld, braze, solder, drill, grind or expose containers, drums, tanks, etc. of product to heat, flame, sparks, static electricity or other sources of ignition; they may ignite explosively.

Flashpoint: (Method Used) Cleveland open cup greater than 197°C (385°F)

Flammable limits % : not applicable

Extinguishing agents:

Drychemical or Waterfog or CO₂ or Foam

Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA--SECTION IV

Permissible concentrations (air):

see COMMENTS section

Chronic effects of overexposure:

no data available

Acute toxicological properties:

no data available

Emergency First Aid Procedures:

Eyes: Immediately flush with large quantities of water for at least 15 minutes and call a physician.

Skin Contact: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

If Swallowed: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION--SECTION V

Ventilation Type Required (Local, mechanical, special):

see COMMENTS section

Respiratory Protection (Specify type):

Use NIOSH/MSHA certified respirator with dual organic vapor/mist and particulates cartridge if vapor concentration exceeds permissible exposure limit.

Protective Gloves:

neoprene type

Eye Protection:

chemical safety goggles

Other Protective Equipment:

none

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HANDLING OF SPILLS OR LEAKS--SECTION VI

Procedures for Clean-Up:

Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal:

Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS--SECTION VII

Precautions to be taken in handling and storage:

Do not handle or store at temperatures over
Maximum Storage Temperature: 60 ° C (140°F)

TRANSPORTATION DATA--SECTION VIII

D.O.T.: Not Regulated

Reportable Quantity: not applicable

Freight Classification: Petroleum Lubricating Oil

Special Transportation Notes:

none

ENVIRONMENTAL/SAFETY REGULATIONS--SECTION IX

Section 313 (Title III Superfund Amendment and Reauthorization Act):

This product does not contain any chemical in sufficient quantity to be 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.

COMMENTS

If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for mineral oil mist (OSHA and ACGIH).

All components of this product are on the US TSCA and Canadian Domestic Substance List .

The additive mixtures in this product have been declared a trade secret by the additive manufacturers.

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PRODUCT CODE: BP-7380

Prepared by: ROBERT M. KELLAM

Title: PRODUCT SAFETY & HEALTH COORDINATOR

Original Date: 06/27/01

Sent to: _____

Revision Date: 01/14/05

Supersedes : 03/06/03

Date Sent : _____

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

CO15 - TCW3 2-Cycle Engine Oil - 16 oz. (ZADC12)

<u>SEC 1 - PRODUCT AND MANUFACTURER INFO</u>	<u>SEC 9 - PHYS, CHEM PROPERTIES</u>
<u>SEC 2 - COMPOSITION INFORMATION</u>	<u>SEC 10 - STABILITY, REACTIVITY</u>
<u>SEC 3 - HAZARDS IDENTIFICATION</u>	<u>SEC 11 - TOXICOLOGY INFORMATION</u>
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<u>SEC 8 - EXPOSURE, PERS. PROTECTION</u>	<u>SEC 16 - ADDITIONAL INFORMATION</u>

**** SECTION 1 - CHEMICAL PRODUCT AND MANUFACTURER IDENTIFICATION ****

Product Name: CO15 - TCW3 2-Cycle Engine Oil - 16 oz. (ZADC12)

Part Number:

Product CAS: (none)

Product Code: N/A

Synonyms: CO15 - TCW3 2-Cycle Engine Oil - 16 oz. (ZADC12)

MANUFACTURER IDENTIFICATION

Name: Gold Eagle Company
 Address: 4400 S. Kildare Blvd.
 City: Chicago State: IL Zip: 60632-4372

For information call: 773-376-4400

Emergency Number: N/A

Emergency Agency: INFOTRAC

Agency Number: 1-800-535-5053

MSDS Effective Date: 7/17/2003

MSDS Supersedes Date: 3/31/2006

Miscellaneous:

Product CAS: Mixture

Brief Description: TCW3 NMMA Approved Lubricating Oil

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**** SECTION 2 - COMPOSITION, INFORMATION ON INGREDIENTS ****

Chemical Name	CAS	MIN	MAX
persant And Anti-Oxidant	(none)	0	10
Dye	(none)	0	0.1
Pour Point Depressant	(none)	0	1
Refined Petroleum Oil	647-42-0	0	70
Mineral Spirits	8052-41-3	0	25
Refined Petroleum Oil	64741-88-4	0	70

Miscellaneous:

CHEMICAL NAME	LIMIT VALUES
Dispersant And Anti-Oxidant (CAS#: Mixture)	N/A
Dye (CAS#: Mixture)	N/A
General Spirits	PEL 500 ppm PEL 2,900 mg/m3
Pour Point Depressant (CAS#: Mixture)	N/A
Refined Petroleum Oil	N/A

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****** SECTION 3 - HAZARDS IDENTIFICATION ********EMERGENCY OVERVIEW:**

NFPA: Health: 0 Fire: 2 Reactivity: 0 Specific Hazard: None

HMIS: Health: 0 Flammability: 2 Reactivity: 0 PPE: B

Miscellaneous:

This product does not contain any components above de minimus concentrations that are considered carcinogenic by OSHA, IARC or NTP.

POTENTIAL HEALTH EFFECTS**Target Organs/Primary Route(s) of Entry:**

Inhalation:
Mild irritant.

Skin:
Mild irritant.

Ingestion:
Toxicity is relatively low, there is a risk of aspiration of the product into the lungs. On ingestion of large quantities, slight GI discomfort, diarrhea, and headache may occur. Small doses may produce irritation and diarrhea.

Inhalation:
Low risk of inhalation. Mists above TLV may cause chemical pneumonitis.

Miscellaneous:

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****** SECTION 4 - FIRST AID MEASURES ******

Eye:
If the product contacts the eyes, immediately wash the eyes with large quantities of room temperature water for at least 15 minutes, occasionally lifting the lower and upper lids. Get medical attention immediately.

On Skin:
If the product contacts the skin, promptly wash the contaminated skin with soap and water for at least 15 minutes. If the product penetrates the clothing, promptly remove the clothing and wash the skin with soap and water.

Ingestion:
Do not induce vomiting, product contains petroleum distillates. Get immediate medical assistance.

Inhalation:

Move the exposed person to fresh air at once and call emergency medical care. If breathing has stopped, give artificial respiration. If breathing is difficult, give humidified oxygen.

as to Physician:

No data available.

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****** SECTION 5 - FIRE FIGHTING MEASURES ******

Flash Point: 165 F. (74 C.) COC

AutoIgnition Temperature: N/A

Flammable Limits

Lower Limit: Explosive Limit (LEL): 1.0

Upper Limit: Explosive Limit (UEL): 6.0

Extinguishing Media:

Use carbon dioxide, dry chemical, foam and/or water fog.

Unusual Fire and Explosion Hazards:

Water may cause frothing.

Special Fire Fighting Procedures:

None

General Information:

Flammable Limits: 1.0 to 6.0

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****** SECTION 6 - ACCIDENTAL RELEASE MEASURES ******

Small Spill: Remove sources of heat or ignition, provide adequate ventilation, contain leak using absorbent, inert, non-combustible material.

Large Spill: Contain spill, transfer to secure containers. In the event of an uncontrolled material release, the user should determine if release is reportable under applicable laws and regulations.

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****** SECTION 7 - HANDLING AND STORAGE ********Handling:**

See other sections of MSDS.

Storage:

See other sections of MSDS.

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**** SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION ****

GENERAL HYGIENE CONSIDERATIONS:

Use normal hygiene practices.

OTHER PRECAUTIONS:

duct is combustible, handle accordingly.

ENGINEERING CONTROLS:

Local Exhaust: Provide local ventilation to maintain exposure levels below recommended exposure limits.

Mechanical (General): In confined spaces, mechanical ventilation may be required.

Special Ventilation: OSHA TWA 5mg/m³ Oil mist

Other Ventilation: N/A

PERSONAL PROTECTIVE EQUIPMENT

Eyes/face:

Use safety goggles or chemical splash goggles as required.

Skin:

Use oil impervious gloves as required.

Respirators:

Normally not required. If high vapor or mist concentrations are expected, use appropriate NIOSH approved respirator for organic vapors and mists.

Other Protective Clothing/Equipment:

If there is a possibility of exposure of an individual's body to the lubricating oil, wear body covering clothes to avoid prolonged or repeated exposure.

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**** SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES ****

Appearance/Odor:

Blue liquid, mild odor

pH: N/A

Vapor Pressure: (MM HG): LT 20.0

Vapor Density (Air=1): GT 1.0

Evaporation Rate: N/A

Viscosity: N/A

Boiling Point: N/A

Freezing/Melting Point: N/A

Decomposition Temperature: N/A

Solubility in Water: Negligible

Specific Gravity: 0.872

Molecular Formula: N/A

Molecular Weight: N/A

VOC Coating (minus water): 0 Lbs/Gallon

Coating Density : 0 Lbs/Gallon

Solvent Density : 0 Lbs/Gallon

Percent Solvent (volume): 0

Percent Solids (volume): 0

Percent Water (volume): 0

Percent Volatile by Weight: 0

Miscellaneous:

% Volatile/Volume: LT 25.0

Percent Solvent (Volume): N/A

Percent Solids (Volume): N/A

Percent Water (Volume): N/A

Product is combustible liquid containing petroleum distillates. Keep away from heat and flames. Store below 150 F., do not apply high heat or flame to container. Keep separate from strong oxidizing agents. Empty containers contain product residue which could include flammable or explosive vapors.

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****** SECTION 10 - STABILITY AND REACTIVITY ******

Chemical Stability:

Stable: Yes

Conditions to Avoid:

Store below 150 F. Do not apply high heat or flame to container. Keep separate from strong oxidizing agents.

Incompatibilities with Other Materials:

(Materials to avoid): Strong Oxidants

Hazardous Decomposition Products:

Carbon dioxide (Carbon monoxide under incomplete combustion)

Hazardous Polymerization:

Hazardous Polymerization May Occur: No

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****** SECTION 11 - TOXICOLOGICAL INFORMATION ******

data available.

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****** SECTION 12 - ECOLOGICAL INFORMATION ******

No data available.

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**** SECTION 13 - DISPOSAL CONSIDERATIONS ****

Dispose of product in accordance with local, state, and federal regulations. Before attempting clean up, refer to other sections of MSDS for hazard warning information.

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**** SECTION 14 - TRANSPORT INFORMATION ****

Transportation Information:

Shipping Information (CFR 49 and IMDG):

Proper Shipping Name: Lubricating Oil, N.O.I.
DOT Hazard Class: None Required
DOT UN Number: None required.
IMDG Shipping Name: Petroleum Lubricating Oil, N.O.I.
Flashpoint GT 160 F

Label Information:

No data available.

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**** SECTION 15 - REGULATORY INFORMATION ****

SARA Title III:

Section 302: None
Section 304: None
Section 311: Hazard categories - Fire Hazard= Yes
Section 313: None

CERCLA:

Section 311(b)(4): Requires discharges of crude oil and petroleum products in any kind or form to waters must immediately be reported to the National Response Center at (800) 424-8802.

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**** SECTION 16 - ADDITIONAL INFORMATION ****

Disclaimer: Information presented herein is believed to be factual, as it has been derived from the works and opinions of persons believed to be qualified experts. However, nothing contained in this information is to be taken as warranty or representation for which the Gold Eagle Co. bears legal responsibility. The user should review any recommendations in the specific context of the intended use to determine whether they are appropriate.

pared by: Mike Profetto

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