

SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Identifier: Enviro Hydro-Lube 200R
Other means of identification: Fire Resistant Hydraulic Fluid
Recommended use: Hydraulic Systems
Supplier's Name: Magna Chemical Canada Inc.
Address: 1450 Government Road West, Kirkland Lake ON P2N 2E9
Phone: 705 642 3352 or 416 479 9151
Emergency only: Canutec 24hr Tel: 613 996 6666
Revision date: 15 January 2019

SECTION II – HAZARDS IDENTIFICATION

Emergency Overview: CAUTION! MAY CAUSE EYE AND SKIN IRRITATION

Label elements: This material is considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200).

WHIMIS (CANADA): Class D-28: Material causing toxic effects (Toxic)

**Potential Health Effects:****Acute Effects:**

EYE: Moderately irritating to eyes.

SKIN: Slightly irritating to the skin.

INHALATION: Heating can generate vapours that may cause respiratory irritation, nausea and headaches.

Inhalation hazard at room is unlikely due to the low volatility of this product.

INGESTION: Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

CHRONIC EFFECTS: Unknown

TARGET ORGANS: None known

SAFETY HAZARD: Not classified as flammable but will burn.

ENVIRONMENTAL HAZARD: Not classified as environmental hazard under GHS criteria.

SECTION III – COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient Name:</u>	<u>Weight %:</u>	<u>CAS#</u>
Diethylene Glycol	60 – 70	111-46-6
Water	30 – 40	7732-18-5
Polyalkylene Glycol	10 – 15	52624-57-4
Morpholine	0 – 1	203-815-1
Diethanolamine	0 – 1	203-868-0

SECTION IV – FIRST AID MEASURES

Inhalation

Remove person to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if irritation develops.

Skin Contact

Wash affected area with plenty of soap and water. Remove contaminated clothing and launder before reuse.

Eye Contact

Immediately flush with plenty of water. Check for and remove any contact lenses. Seek medical attention if irritation develops.

Ingestion

Wash out mouth with water. Remove person to fresh air and keep at rest in a position comfortable for breathing. Do not induce vomiting. Seek medical attention.

SECTION V – FIRE FIGHTING MEASURES

Suitable Fire-extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

Specific hazards arising from the chemical

Cool closed containers exposed to fire with water spray.

Combustion Products

Oxides of carbon, dense smoke and possibly toxic fumes.

Protective Equipment for fire fighters

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

SECTION VI – ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protection recommended in Section 8. Minimize skin contact.

Environmental Precautions

Do not allow uncontrolled discharge of product into the environment.

Methods and materials for contaminated and cleaning up

Ventilate the area with fresh air. In confined space or limited air circulation area, clean up workers should wear appropriate respiratory protection. Stop leak if without a risk. Move containers from spill area. Shovel into suitable properly marked container for disposal or reclamation in accordance with local regulations.

SECTION VII – HANDLING AND STORAGE

Precautions for safe handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where the material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Avoid contact with skin, eyes and clothing. Keep container away from heat, sparks, and open flame. Keep container closed when not in use.

Storage procedures

Store in a cool dry area out of direct sunlight. Containers should be tightly closed while in storage. Store separate from acids and oxidizing materials. Store away from sparks and open flame.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Engineering Measures

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal Protective Equipment

Respiratory Protective

In case of insufficient ventilation, use suitable respiratory equipment.

Eye Protection

Wear safety goggles.

Skin and Body Protection

Wear safety shoes and protective gloves.

Protective Measures

Wash contaminated clothing before re-use.

Hygienic Work Practices

Remove and wash contaminated clothing and gloves. Ensure the eyewash stations and safety showers are close to the workstation location.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES	
Appearance Physical State	Liquid
Color	Red
Odour	No data available
Odour Threshold	No data available
Specific Gravity at 15.6°C	1.08
pH	9.5
Viscosity at 40°C, cSt	46
Flash Point (COC), °C	None
Fire Point °C	No data available
Pour Point °C	No data available
Auto-Ignition Temperature	No data available
Vapour Pressure at Ambient Temperature	No data available
Boiling Point °C	102°C
Evaporation Rate	No data available
Water Solubility	Soluble
Partition coefficient: n-octanol/water	No data available

SECTION X – STABILITY & REACTIVITY

Reactivity

No reactivity in expected under normal conditions of intended use.

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reaction

Hazardous polymerization does not occur.

Incompatible Materials

Strong oxidizing agent.

Hazardous Decomposition Products

Hazardous decomposition is not expected to form under normal conditions of storage.

SECTION XI – TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	Harmful if swallowed.
WG 200 RX	
ATE (oral)	500.000 mg/kg bodyweight
Diethylene glycol (111-46-6)	
LD50 oral rat	19600 mg/kg
LD50 dermal rat	13300 mg/kg
LC50 inhalation rat (mg/l)	>4.6 mg/l/4h
ATE (oral)	500.000 mg/kg bodyweight
Diethylene glycol (111-46-6)	
ATE (dermal)	13300.000 mg/kg bodyweight
Oxirane, 2-methyl-, polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1, 3-propanediol (3:1) (52624-57 -4)	
LD50 oral rat	>2000 mg/kg bodyweight no mortality occurred
Capric acid (334-48-5)	
LD50 oral rat	>10000 mg/kg
LD50 dermal rabbit	>5000 mg/kg bodyweight
2-(Dimethylamino) ethanol (108-01-0)	
LD50 oral rat	>1187 mg/kg
LD50 dermal rabbit	>3000 mg/kg
LC50 inhalation rat (mg/l)	>6080 mg/m3 4 hours
ATE (oral)	1187.000 mg/kg bodyweight
ATE (dermal)	1100.000 mg/kg bodyweight
ATE (dust, mist)	1.500 mg/l/4h
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitisation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity (single exposure)	Not classified.
Specific target organ toxicity (repeated exposure)	May cause damage to organs through prolonged or repeated exposure
Aspiration hazard	Not classified.
Symptoms/injuries after inhalation	Inhalation may cause irritation, coughing, shortness of breath, irritation of the respiratory tract and the other mucous membranes.
Symptoms/injuries after skin contact	Causes skin irritation.
Symptoms/injuries after eye contact	Causes serious eye damage.
Symptoms/injuries after ingestion	Swallowing a small quantity of this material will result in serious health hazard.
Likely routes of exposure	Inhalation, skin and eye contact.

SECTION XII – ECOLOGICAL INFORMATION

Toxicity

Diethylene glycol (111-46-6)	
LC50 fishes 1	75200 mg/l
EC50 Daphnia 1	> 10000 mg/l
Oxirane, 2-methyl-,polymer with oxirane, ether with 2-ethyl-2-(hydroxymethyl)-1, 3-propanediol (3:1) (52624-57 -4)	
LC50 fishes 1	> 10000 mg/l

Capric acid (334-48-5)

LC50 fishes 1	> 100 mg/l
EC50 other aquatic organisms 1	> 100 mg/l

2-(Dimethylamino) ethanol (108-01-0)

LC50 fishes 1	146.63 mg/l
EC50 Daphnia 1	98.37 mg/l
EC50 other aquatic organisms 1	34.47 mg/l

Persistence and Degradability**WG 200 RX**

Persistence and degradability	Not established
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Diethylene glycol (111-46-6)

Persistence and degradability	Readily biodegradable
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Capric acid (334-48-5)

Persistence and degradability	Readily biodegradable
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2-(Dimethylamino) ethanol (108-01-0)

Persistence and degradability	Readily biodegradable
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Bioaccumulative potential**WG 200 RX**

Bioaccumulative potential	Not established.
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Diethylene glycol (111-46-6)

Bioconcentration factor (BCF REACH)	100
Log Pow	-1.98
Bioaccumulative potential	Not expected to bioaccumulate.

Capric acid (334-48-5)

Log Pow	4.09
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2-Dimethylamino) ethanol (108-10-0)

Log Pow	-0.55
Bioaccumulative potential	This product is not bioaccumulating.
Mobility in soil	No additional information available

Other adverse effects

Other information	Avoid release to the environment.
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SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal

All disposal activities must comply with local, federal and state environmental control regulations. Do not dispose in to environment, in drain or river, ponds, water reservoirs and soil.

SECTION XIV – TRANSPORT INFORMATION

Special Shipping Information

TDG	DOT	IATA-DGR	IMDG-CODE
Not regulated as dangerous good	Not regulated as dangerous good	Not regulated as dangerous good	Not regulated as dangerous good

SECTION XV – REGULATORY INFORMATION

WHMIS CLASSIFICATION: Class D-2B: Material causing other toxic effects (Toxic).

TSCA: All chemical substance in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory.

DSL: On the inventory, or in compliance with the inventory.

IECSC: On the inventory, or in compliance with the inventory.

JAPAN INVENTORY: Not determined.

AUSTRALIA INVENTORY: Not determined.

SECTION XVI – OTHER INFORMATION

	NAPA
HEALTH	1
FIRE	0
REACTIVITY	0
SPECIFIC	None
Ratings range from 0 (No Hazard) to 4 (Severe Hazard)	

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