



Gulf Harmony[®] AW 220 LV Hydraulic Fluid

SDS - Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Gulf Harmony[®] AW 220 LV Hydraulic Fluid
Other means of identification: Industrial Hydraulic Fluid
SDS Number: 334234
CAS Number: Blend
CHEMTREC: EMERGENCY CONTACT 1-800-424-9300

Supplier:
Nu-Tier Brands, Inc., Tulsa, OK
Under License from Gulf Oil LP
TECHNICAL CONTACT NUMBER: 918-550-8026, Ext. 507
www.gulflubricants.net

2. HAZARDS IDENTIFICATION

Classified Hazards

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

General Precautionary Statements

Keep out of reach of children.
Wash skin thoroughly after handling.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue Rinsing. Get medical attention/advice if you feel unwell.

Other Hazards

None Known

Read label before use.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Label Elements

No classified hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	Concentration
Highly Refined Petroleum Base Oil	Mixture	97-99%
Additives	Proprietary	<3%

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

4. FIRST AID MEASURES

INHALATION FIRST AID: If symptoms develop, move victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, obtain medical attention.

SKIN CONTACT FIRST AID: Wash with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if needed.

EYE CONTACT FIRST AID: Flush with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If effects occur, consult a physician.

INGESTION FIRST AID: Rinse mouth with water. Do NOT induce vomiting. If symptoms develop, obtain medical attention.

NOTES TO PHYSICIAN: Treat symptomatically.



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5. FIREFIGHTING MEASURES

NFPA 704 Hazard Class

Health: 0

Flammability: 1

Instability: 0



0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Flash Point (Typical): 249°C (480°F)

Flash Point Method: COC

EXTINGUISHING MEDIA:

Carbon dioxide, water fog, foam, or dry powder. Do not use water, because this product is oil based. Water or foam may cause frothing.

FIRE & EXPLOSION HAZARDS:

Can burn in fire, releasing toxic vapors, fumes, and smoke.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

COMBUSTION PRODUCTS:

Hazardous decomposition products are oxides of carbon and nitrogen including CO and CO₂.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

INITIAL CONTAINMENT:

Absorb spills with inert material. Do not allow material to enter soil or surface water.

LARGE SPILLS PROCEDURE:

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Do not flush to sewer.

SMALL SPILLS PROCEDURE:

Absorb spills with inert material.

MISCELLANEOUS:

Treat or dispose of in accordance with all federal, state, and local requirements. Incineration is preferred.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Empty drums should be completely drained, properly bunged, and promptly returned to a drum reconditioner, or properly disposed of. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Secure container after each use. Store in a cool dry area.

Avoid contact with strong oxidizing agents.

STORAGE PRECAUTIONS:



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Store in a cool dry place, in a tightly closed container. Eliminate all sources of ignition - heat, sparks, flame, electricity, impact and friction.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH	OSHA	Other
Oil Mist, Mineral	TWA: 5mg/m ³ STEL: 10mg/m ³ As Oil Mist, if Generated	TWA: 5mg/m ³ As Oil Mist, if Generated	

ENGINEERING CONTROLS:

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. TLV for mineral oil is 5 mg/cubic meter.

EYE / FACE PROTECTION REQUIREMENTS:

When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

SKIN PROTECTION REQUIREMENTS:

Where contact is likely, wear chemical resistant gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required. If mists are produced, local ventilation may be required to keep exposure below limits.

GENERAL COMMENTS:

Always observe good personal hygiene practices. Wash hands and other exposed skin areas with plenty of mild soap and water before eating, drinking, smoking, etc...

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Data represents typical values and are not intended to be specifications.

FORM: Liquid
ODOR: Petroleum
VAPOR PRESSURE.....: Less than 0.1 mm Hg at 68°F (20°C)
VAPOR DENSITY: Heavier than air (Air = 1)
AUTOIGNITION TEMPERATURE ..: Not Available
SPECIFIC GRAVITY: .8900 Approximately
DENSITY: 7.31/lb Approximately
MELTING PT.: Not Determined
VISCOSITY: 220 cSt at 40 °C
FLASH PT.: 480 °F

10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS: Avoid contact with strong oxidizing agents.

DECOMPOSITION: In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

CONDITIONS TO AVOID: Excessive heat. Avoid all sources of ignition.

11. TOXICOLOGICAL INFORMATION

GENERAL INFORMATION:

Based on data on the components and the toxicology of similar materials

ROUTES OF ENTRY:



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Skin, Eyes, Ingestion, and Inhalation.

ACUTE EXPOSURE:

EYE IRRITATION:

Not expected to cause eye irritation. Based on data from components or similar materials. Vapors may cause irritation.

SKIN IRRITATION:

Slightly irritating based on data from components or similar materials. Prolonged or repeated skin contact without proper hygiene may result in skin disorders such as acne.

RESPIRATORY IRRITATION:

Based on data from components and similar materials, Inhalation of vapors or mists may cause irritation.

DERMAL TOXICITY:

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rabbit

ORAL TOXICITY:

Expected to be of low toxicity: LD50 > 5000 mg/kg, Rat

INHALATION TOXICITY:

Based on data from components and similar materials, product is not considered to be an inhalation hazard under normal conditions of use.

SENSITIZATION:

Component concentrations in this formulation would not be expected to cause skin sensitization, based on tests of the components or similar formulations.

CHRONIC EXPOSURE:

CHRONIC TOXICITY:

No data available to indicate product or components present at greater than 1% are chronic health hazards.

CARCINOGENICITY:

Product contains mineral and/or synthetic oils shown to be noncarcinogenic in laboratory studies with the same or similar materials. Mineral and synthetic oils are not classified as carcinogenic by the International Agency for Research on Cancer (IARC). Other components are not known to be associated with carcinogenic effects.

MUTAGENICITY:

No data available to indicate product or any 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% that may cause reproductive toxicity.

TERATOGENICITY:

No data available to indicate either product or components present at greater than 0.1% that may cause birth defects.

ADDITIONAL INFORMATION:

No other health hazards known.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS:

Ecological Toxicity data has not been determined specifically for this product. The ecological toxicity hazard is based on an evaluation of data for the components or a similar material. This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material. This product contains components which may be persistent in the environment.

13. DISPOSAL CONSIDERATIONS



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WASTE DISPOSAL:

Avoid disposal into waste water treatment facilities. Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if discarded, is not considered a hazardous waste.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Gulf Harmony[®] AW 220 LV Hydraulic Fluid
D.O.T SHIPPING: Not Regulated by DOT.
IMDG.....: This material is not classified as dangerous under IMDG regulations.
IATA.....: This material is not classified as dangerous under IATA regulations.
TRANSPORT CANADA.....: This material is not classified as dangerous under Transport Canada regulations.

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:
01 = CANADIAN DISCLOSURE LIST 02 = CERCLA Hazardous Substances
03 = TITLE V OF THE CLEAN AIR ACT 04 = SC Toxic Air Pollutants List
05 = SARA TITLE III - SECTION 313 06 = SARA Title III - Section 312
07 = CA PROPOSITION 65 08 = RCRA Hazardous Substances
No information available.

16. OTHER INFORMATION

The data in this Material Safety Data Sheet relates only to the specific material designated herein.
This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Nu-Tier Brands, Inc..
The data on this sheet are related only to the specific material designated herein. Nu-Tier Brands, Inc. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS