



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Name: BOMGAARS IH HYD 3/2GL
Product Code: BM24IH2G

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use: Universal Tractor Fluid
Recommended restrictions: Not applicable

1.3. Details of the supplier of the safety data sheet

Manufacturer: Warren Distribution, Inc.
727 S. 13th Street
Omaha, NE 68102
Information Phone: +01 (800) 825-1235 +01 (402) 341-9397
E-mail: sds@wd-wpp.com

1.4. Emergency telephone number

Emergency phone number: CHEMTREC: +1 (800) 424-9300
International: +01 (703) 527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified under GHS

2.2. Label elements

2.3. Other hazards

Hazards not otherwise classified: Avoid prolonged or repeated skin contact with used fluid.

Unknown acute toxicity (GHS-US)

SECTION 3: Composition/information on ingredients

Chemical Name	%	CAS #	GHS Classification
Cumene	1 - 5	98-82-8	Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Acute Tox. 4; H302 Flam. Liq. 3; H226 STOT SE 3; H335, H336
Ethylbenzene	0.1 - 1	100-41-4	Aquatic Chronic 3; H412 Asp. Tox. 1; H304 Acute Tox. 4; H332 Acute Tox. 4; H332 Carc. 1A; H350 Flam. Liq. 2; H225 Muta. 1B; H340 STOT RE 2; H373
Naphthalene	0.1 - 1	91-20-3	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Acute Tox. 4; H302 Carc. 2; H351 Flam. Sol. 1; H228

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen. Get medical attention immediately.
Eyes	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
Skin Contact	Wash with soap and water. Get medical attention if irritation develops or persists. Seek medical advice if symptoms persist.
Ingestion	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this SDS.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Not determined

4.3. Indication of any immediate medical attention and special treatment needed

Note to Doctor Aspiration during swallowing or vomiting may severely damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable and Unsuitable Extinguishing Media: Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

5.2. Special hazards arising from the substance or mixture

Fire and/or Explosion Hazards Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

5.3. Advice for firefighters

Fire Fighting Methods and Protection Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.

Hazardous Combustion Products Carbon monoxide, Smoke

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General Measures: No health effects expected from the clean up of this material if contact can be avoided. Follow personal protective equipment recommendations found in Section 8 of this SDS.

6.2. Environmental precautions

Do not flush to sewer.

Avoid runoff into storm sewers and ditches that lead to waterways.

Remove from water surface by skimming or with suitable absorbents. Do not use dispersants.

Avoid runoff into storm sewers and ditches that lead to waterways.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so.

Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local, or Provincial regulations. Used fluid should be disposed of at a recycling center. {EMSFORM_06GHS_CLEAN}

6.4. Reference to other sections

Follow all protective equipment recommendations provided in Section 8.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Mildly irritating material. Avoid unnecessary exposure.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Isolate from incompatible materials.

Incompatible materials

See Section 10.

7.3. Specific end use(s)

Universal Tractor Fluid

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Chemical Name	Occupational Exposure Limits	Value
Oil mist, mineral	OSHA PEL	5 mg/m ³
Cumene	OSHA PEL	50 ppm TWA; 245 mg/m ³ TWA
ethylbenzene	OSHA PEL	100 ppm TWA; 435 mg/m ³ TWA
Naphthalene	OSHA PEL	10 ppm TWA; 50 mg/m ³ TWA
ethylbenzene	OSHA STEL	125 ppm STEL; 545 mg/m ³ STEL
Naphthalene	OSHA STEL	15 ppm STEL; 75 mg/m ³ STEL
Oil mist, mineral	ACGIH TLV-TWA	5 mg/m ³
Cumene	ACGIH TLV-TWA	50 ppm TWA
ethylbenzene	ACGIH TLV-TWA	20 ppm TWA
Naphthalene	ACGIH TLV-TWA	10 ppm TWA
Oil mist, mineral	ACGIH STEL	10 mg/m ³
Naphthalene	ACGIH STEL	15 ppm STEL
Cumene	IDLH	900 ppm IDLH (10% LEL)
ethylbenzene	IDLH	800 ppm IDLH (10% LEL)
Naphthalene	IDLH	250 ppm IDLH
Cumene	OSHA PEL-Skin Notation	prevent or reduce skin absorption
Cumene	OSHA STEL-Skin Notation	Potential for dermal absorption
Naphthalene	ACGIH TLV-Skin Designation	Skin - potential significant contribution to overall exposure by the cutaneous route

8.2. Exposure controls

Engineering Measures

Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Respiratory Protection

Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.

Respirator Type(s)

None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.

Eye Protection

Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.

Skin Protection

Where use can result in skin contact, practice good personal hygiene and wear impervious gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves

Neoprene, Nitrile

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Color	Brown
Odor	Mild
Odor threshold	Not determined
pH	Not determined

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Freezing point	Not determined
Boiling Point	Not determined
Flash Point (°C)	223
Flash Point Method	COC
Evaporation Rate	Not determined
Upper Flammable/Explosive Limit, % in air	= 10
Lower Flammable/Explosive Limit, % in air	= 1
Flammability (solid, gas)	Not applicable
Vapor pressure	<0.20
Vapor Density	3.66 4.42
Relative Density	0.86
Solubility in Water	Negligible; 0-1%
Octanol/Water Partition Coefficient	Not determined
Autoignition Temperature	Not determined
Decomposition Temperature	Not determined
Viscosity(°C)	58.88
9.2. Other information	
Volatiles, % by weight	0.000000

SECTION 10: Stability and reactivity

10.1. Reactivity	No data available.
10.2. Chemical stability	Stable under normal conditions.
10.3. Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4. Conditions to avoid	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition. Moisture (will lead to product performance degradation).
10.5. Incompatible materials	Strong oxidizing agents
10.6. Hazardous decomposition products	Carbon monoxide, Smoke

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ingestion Toxicity	No hazard in normal industrial use. Estimated to be > 5.0 g/kg.
Skin Contact	This material is likely to be moderately irritating to skin based on animal data. Can cause minor skin irritation, defatting, and dermatitis.
Absorption	Likely to be practically non-toxic based on animal data.
Inhalation Toxicity	No hazard in normal industrial use. Likely to be practically non-toxic based on animal data.
Eye Contact	This material is estimated to be non-irritating eyes (Draize score <15 [rabbits]). Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.
Sensitization	Non-hazardous under Respiratory Sensitization category. No data available to indicate product or components may be a skin sensitizer.
Mutagenicity	No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.
Carcinogenicity	Contains a substance that is a possible cancer hazard based on high dose animal studies and/or a human study.
Reproductive and Developmental Toxicity	No data available to indicate product or any components present at greater than 0.1% may cause birth defects.
Specific target organ toxicity-Single exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Single Exposure category.
Specific target organ toxicity-Repeated exposure	Non-hazardous under Specific Target Organ Systemic Toxicity Repeated Exposure category.

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SECTION 11: Toxicological information

toxicity-Repeated exposure

Aspiration toxicity Non-hazardous under Aspiration category.

Other information No data available.

Agents Classified by IARC Monographs

Benzene	IARC Group 1
Not applicable	IARC Group 2A
Cumene	IARC Group 2B
ethylbenzene	IARC Group 2B
Naphthalene	IARC Group 2B
Methyl isobutyl ketone	IARC Group 2B
Diethanolamine	IARC Group 2B
Vinyl acetate	IARC Group 2B

National Toxicity Program (NTP) Status

Benzene	Known Human Carcinogen
Cumene	Reasonably Anticipated To Be A Human Carcinogen
Naphthalene	Reasonably Anticipated To Be A Human Carcinogen

SECTION 12: Ecological information

12.1. Toxicity

Acute Aquatic ecotoxicity: Non-hazardous under Aquatic Acute Environment category.

Chronic Aquatic ecotoxicity: Non-hazardous under Aquatic Chronic Environment category.

12.2. Persistence and degradability

Biodegrades slowly.

12.3. Bioaccumulative potential

Bioconcentration may occur.

12.4. Mobility in soil

This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

Not determined

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal Methods

Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

Waste Disposal Code(s)

Waste Description for Spent Product

Spent or discarded material is non-hazardous according to environmental regulations.

Contaminated packaging:

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

Recycle containers whenever possible.

SECTION 14: Transport information

DOT Basic Not classified as hazardous for transport (DOT, TDG, IMO/IMDG, IATA/ICAO).

Description

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SECTION 15: Regulatory information

Chemical Inventories

TSCA Status	All components of this material are on the US TSCA Inventory or are exempt.
U.S. State Restrictions:	Not applicable
WHMIS:	B2, D2A
	B2, D2A, D2B
	B4, D2A

Chemical Name	Regulation	CAS #	%
Benzene, (1-methylethyl)-ethylbenzene	CERCLA	98-82-8	1 - 5
Naphthalene	CERCLA	100-41-4	0.1 - 1
Cumene	CERCLA	91-20-3	0.1 - 1
ethylbenzene	SARA 313	98-82-8	1 - 5
Naphthalene	SARA 313	100-41-4	0.1 - 1
Methyl isobutyl ketone	SARA 313	91-20-3	0.1 - 1
Toluene	SARA 313	108-10-1	0.1 - 1
Benzene	SARA 313	108-88-3	0.01 - 0.1
Diethanolamine	SARA 313	71-43-2	0.01 - 0.1
Vinyl acetate	SARA 313	111-42-2	0.001- 0.01
None.	SARA 313	108-05-4	0.001- 0.01
None.	SARA EHS		
None.	TSCA 12b		

U.S. State Regulations

Chemical Name	Regulation	CAS #	%
Cumene	California Prop 65- Cancer	98-82-8	1 - 5
ethylbenzene	California Prop 65- Cancer	100-41-4	0.1 - 1
Naphthalene	California Prop 65- Cancer	91-20-3	0.1 - 1
ISOBUTYL METHYL KETONE	California Prop 65- Cancer	108-10-1	0.1 - 1
Benzene	California Prop 65- Cancer	71-43-2	0.01 - 0.1
2,2'-Iminodiethanol	California Prop 65- Cancer	111-42-2	0.001- 0.01
Methyl isobutyl ketone (MIBK)	California Prop 65- Dev. Toxicity	108-10-1	0.1 - 1
Toluene	California Prop 65- Dev. Toxicity	108-88-3	0.01 - 0.1
Benzene	California Prop 65- Dev. Toxicity	71-43-2	0.01 - 0.1
None.	California Prop 65- Reprod -fem		
Benzene	California Prop 65- Reprod-male	71-43-2	0.01 - 0.1
Cumene	Massachusetts RTK List	98-82-8	1 - 5
ethylbenzene	Massachusetts RTK List	100-41-4	0.1 - 1
Naphthalene	Massachusetts RTK List	91-20-3	0.1 - 1
Cumene	New Jersey RTK List	98-82-8	1 - 5
ethylbenzene	New Jersey RTK List	100-41-4	0.1 - 1
Naphthalene	New Jersey RTK List	91-20-3	0.1 - 1
Benzene, (1-methylethyl)-	Pennsylvania RTK List	98-82-8	1 - 5
Benzene, ethyl-	Pennsylvania RTK List	100-41-4	0.1 - 1

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Chemical Name	Regulation	CAS #	%
Naphthalene	Pennsylvania RTK List	91-20-3	0.1 - 1
None.	Rhode Island RTK List		
Cumene	Minnesota Hazardous Substance List	98-82-8	1 - 5
ethylbenzene	Minnesota Hazardous Substance List	100-41-4	0.1 - 1
Naphthalene	Minnesota Hazardous Substance List	91-20-3	0.1 - 1

HMIS Ratings:

Health: 1
 Fire: 1
 Reactivity: 0
 PPE: B

NFPA Ratings:

Health: 1
 Fire: 1
 Reactivity: 0

KEY: 0 - Least 1 - Slight 2 - Moderate 3 - High 4 - Extreme

SECTION 16: Other information

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References
 ACGIH: American Conference of Governmental Industrial Hygienists
 AIHA: American Industrial Hygiene Association
 CFR: Code of Federal Regulations
 DOT: United States Department of Transportation
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 HMIS: Hazardous Materials Identification System
 IARC: International Agency for Research on Cancer
 IATA: International Air Transportation Association
 IDLH: Immediately Dangerous to Life or Health
 IMDG: International Maritime Dangerous Goods
 NFPA: National Fire Protection Association
 NIOSH: National Institute for Occupational Safety and Health
 NTP: National Toxicology Program
 OSHA: Occupational Safety and Health Administration
 PEL: Permissible Exposure Limit
 RTK: Right-to-Know
 SARA: Superfund Amendments and Reauthorization Act
 STEL: Short-term Exposure Limit
 TLV: Threshold limit value
 TSCA: Toxic Substances Control Act
 TWA: Time weighted average
 UN: United Nations
 WHMIS: Workplace Hazardous Materials Information System

Disclaimer

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.