C17341

A.I. Lube
Safety Data Sheet

5610

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1. Product and Company Identification

1.1 Product identifiers

Product Name: A.I. Lube
Producer: A.I. Lube
Product Number: Not available.
CAS-No.: Not available.

1.2 Identified uses of the product and uses advised against

Identified Uses: Lubricant.

1.3 Details of the chemical supplier

Company: A.I. Lube
3090 Bailey Rd
Sun Prairie, WI 53590
USA
Telephone: +1 (608) 837-2858

1.4 Emergency telephone number

+1 800-222-1222 (POISON CONTROL CENTER – 24 hours/day, 7 days/week)

2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Information on Ingredients

3.1 Product mixture

Synonyms: Lubricant, insemination fluid.
Formula: Not available.
Molecular Wt: Not available.
CAS-No.: Not available.
EC-No.: Not available.

Ingredients	CAS-No.	EC-No.	Classification	Concentration
Water	7732-18-5	231-791-2	Not hazardous	> 88 %
Glycerol	56-81-5	200-289-5	Not hazardous	5 - 8 %
Carboxymethyl cellulose	9000-11-7	618-326-2	Not hazardous	1.5 - 4 %
Methylparaben	99-76-3	202-785-7	Aquatic Acute 3, Aquatic Chronic 3; H402, H412	< 0.1 %
Propylparaben	94-13-3	202-307-7	Aquatic Acute 2; H401	< 0.05 %

4. First Aid Measures

4.1 Description of first aid measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

Skin exposure
Wash off with soap and water. Consult a physician.

Eye exposure
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2.2) and in section 11.

4.3 Indication of any immediate medical attention and special treatment needed
No data available.

5. Fire Fighting Measures

5.1 Suitable (and unsuitable) extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
No data available.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 References to other sections
For disposal see section 13.

7. Handling and Storage

7.1 General hygiene considerations
Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2.2.

7.2 Precautions for safe handling
Keep container tightly closed in a dry and well-ventilated place.

7.3 Conditions for safe storage, including any incompatibilities
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

8.1 Control and exposure limits recommended by the chemical manufacturer

Component	CAS-No.	Value	Control Params.	Basis
Glycerol	56-81-5	TWA	15 mg/m^3	USA Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	5 mg/m^3	USA Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants
		TWA	10 mg/m^3	USA ACGIH Threshold Limit Values (TLV)

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment

All personnel handling the product should use a personal protective equipment level D.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Wear impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a)	Appearance	Liquid gel, clear.
b)	Odor	Odorless.
c)	Odor threshold	No data available.
d)	pH	No data available.
e)	Melting/freezing point	No data available.
f)	Boiling point	>100°C (>212°F)
g)	Flash point	No data available.
h)	Evaporation rate	No data available.
i)	Flammability (solid, gas)	No data available.
j)	Upper/lower flammability or explosive limits	Upper (UEL): No data available. Lower (LEL): No data available.
k)	Vapor pressure	No data available.
l)	Vapor density	No data available.
m)	Relative density	No data available.
n)	Water solubility	No data available.
o)	Partition coefficient: octanol/water	No data available.
p)	Auto-ignition temp	No data available.
q)	Decomposition temp	No data available.

r)	Viscosity	>1.0 cP at 25°C (77°F)

10. Stability and Reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under ordinary conditions of use and storage.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Contact with incompatible chemicals and exposure to extremely high temperatures.

10.5 Incompatible materials
Strong oxidizers, strong acids, acid chlorides, acid anhydrides, chloroformates, or strong reducing agents.

10.6 Hazardous decomposition products
Mainly carbon dioxide and carbon monoxide.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
For Glycerol

LD50 oral, rat:	12,600 mg/kg
LD50 dermal, rabbit:	>10,000 mg/kg

For Methylparaben

LD50 oral, rat:	2,100 mg/kg (OECD Test Guideline 401)

For Propylparaben

LD50 oral, rat:	>5,000 mg/kg (OECD Test Guideline 401)

Skin corrosion/irritation

Glycerol:	Skin – rabbit. Result: mild skin irritation, 24h.

Serious eye damage/eye irritation

Glycerol:	Eyes – rabbit. Result: mild eye irritation, 24h.
Methylparaben:	Eyes – rabbit. Result: mild eye irritation, 24h.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Suspected cancer agent
No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, NTP, OSHA, or IARC.

Reproductive toxicity
This product is not reported to produce mutagenic, embryotoxic, teratogenic, or reproductive effects in humans.

Specific target organ toxicity – single exposure
No data available.

Specific target organ toxicity – repeat exposure
No data available.

12. Ecological Information

12.1 Ecotoxicity (aquatic and terrestrial)
For Methylparaben

Toxicity to fish	Semi-static test LC50 - Oryzias latipes - 59.5 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia magna (Water flea) - 41.1 mg/l - 48 h (OECD Test Guideline 202)
Toxicity to algae	Static test EC50 - Pseudokirchneriella subcapitata - 91 mg/l - 72 h (ISO 8692)

For Propylparaben

Toxicity to fish	LC50 - Danio rerio (zebra fish) - 6.4 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 15.4 mg/l - 48 h (ISO 6341)
Toxicity to algae	EC50 - Pseudokirchneriella subcapitata (green algae) - 7.6 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulation potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Other adverse effects
None.

13. Disposal Considerations

13.1 Waste treatment methods
Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority.

14. Transport Information

DOT (US)
Not dangerous goods.

IMDG
Not dangerous goods.

IATA
Not dangerous goods.

15. Regulatory Information

SARA 302 Components
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA hazards.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

HMIS Rating
Health hazard: 0
Chronic Health Hazard: 0
Flammability: 0
Physical Hazard 0

NFPA Rating
Health hazard: 0
Fire Hazard: 0
Reactivity Hazard: 0

Revision Date
31 March 2016

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. A.I. Lube assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, A.I. Lube assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.