

MATERIAL SAFETY DATA SHEET

SEMEN'S DILUTING FLUID

CAS NO. :

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: SEMEN'S DILUTING FLUID

CAS#: Not available.

C.I. No.: Not available.

Synonym: Not available.

Chemical Name: SEMEN'S DILUTING FLUID

Chemical Formula: Not available.

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
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Section 2: Composition and Information on Ingredients

Components of Substance or Mixture:

Chemical name	Cas no.	% weight
Water	7732-18-5	94.55%
Sodium Bicarbonate	144-55-8	4.90%
Formaldehyde	50-00-0	0.39%
Methyl Alcohol	67-56-1	0.16%

Section 3: Hazards Identification

Hazard Class	Category	Hazard Statement	Precautionary Statements
Acute Toxicity - Oral	Category 4	H302	P264, P270, P301+P312, P330, P501
Acute Toxicity - Dermal	Category 4	H312	P280, P302+P352, P312, P321, P362, P501
Acute Toxicity - Inhalation	Category 4	H332	P261, P271, P304+P340, P312
Respiratory Sensitizer	Category 1	H334	P261, P285, P304+P341, P342+P311, P501
Germ Cell Mutagenicity	Category 1	H340	P201, P202, P280, P308+P313, P405, P501
Reproductive Toxicity	Category 1	H360	P201, P202, P280, P308+P313, P405, P501
Hazardous to the Aquatic Environment (Acute)	Category 3	H402	P273, P501

Section 4: First Aid Measures

Description of first aid measures

General advice

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

If inhaled

IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

In case of skin contact

IF ON SKIN: Wash with plenty of soap and water. May cause slight irritation.

In case of eye contact

May cause slight irritation.

If swallowed

IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Dilute immediately with water or milk. Induce vomiting. Call a physician.

Section 4: First Aid Measures

Most Important Symptoms and Effects, Acute and Delayed:

Contains Formaldehyde, which is classified as a suspected carcinogen. Handle with care. Avoid ingestion, inhalation, or contact with skin. If ingested, induce vomiting and call a physician. Wash areas of contact with plenty of water for 15 minutes. For eyes, get medical attention. **EYE CONTACT:** May cause slight irritation. **SKIN CONTACT:** May cause slight irritation.

Medical Attention or Special Treatment Needed: Specific treatment (Wash areas of contact with water).

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use any means suitable for extinguishing surrounding fire.

Special hazards arising from the substance or mixture

Not considered to be a fire or explosion hazard.

Advice for firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

Further information

Not available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

Environmental precautions

Not available.

Methods and materials for containment and cleaning up

Absorb with suitable material and dispose of in accordance with local regulations.

Section 7: Handling and Storage

Precautions for safe handling:

Store locked up. As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin. Protect from freezing and physical damage. Store at room temperature.

Section 8: Exposure Controls/Personal Protection

Control parameters

Exposure controls

Appropriate engineering controls

Use only outdoors or in a well-ventilated area. A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limit.

Personal protective equipment

Eye/face protection

Wear protective gloves and eye protection. Safety glasses or goggles.

Skin protection

Wear protective gloves and eye protection. Chemical resistant gloves. **Body Protection:** Impervious clothing, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. If the exposure limit is exceeded, a full facepiece respirator equipped with organic vapor cartridge should be worn. **Control of environmental exposure:**
Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form	: Colorless liquid.
b) Odour	: No data available.
c) Odour threshold	: No data available.
d) pH	: No data available.
e) Melting point/freezing point	: Approximately 0°C
f) Initial boiling point/boiling range	: Approximately 100°C - Approximately 100°C
g) Autoignition temperature	: No data available.
h) Flammability (solid, gas)	: No data available.
i) Upper/lower flammability or explosive limits	: No data available.

Section 9: Physical and Chemical Properties (Continued)

j)Flash point [°C]	: No data available.
k)Evaporation rate	: No data available.
l)Vapour pressure	: No data available.
m)Vapour density	: No data available.
n)Relative density,	: 1.02
o)Solubility in water	: Miscible
p)Viscosity	: No data available.
q)Explosive properties	: No data available.
r)Oxidising properties	: No data available.
s)Decomposition temperature	: No data available.
t)Autoignition temperature	: No data available.
u)Molecular Weight	: No data available.

Section 10: Stability and Reactivity Data

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available.

Conditions to avoid : No data available.

Incompatible materials : Acids.

Hazardous decomposition products: Will not occur.

Section 11: Toxicological Information

Acute Toxicity - Oral Exposure:

Harmful if swallowed. Wash arms, hands and face thoroughly after handling. Do not eat, drink or smoke when using this product. **IF SWALLOWED:** Call a POISON CENTER or physician if you feel unwell. Rinse mouth. Dispose of contents in accordance with local, state, federal and international regulations.

Acute Toxicity - Dermal Exposure: Harmful in contact with skin. Wear protective gloves and eye protection. **IF ON SKIN:** Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Specific treatment (Wash areas of contact with water). Take off contaminated clothing and wash it before reuse. Dispose of contents in accordance with local, state, federal and international regulations.

Section 11: Toxicological Information (Continued)

Acute Toxicity - Inhalation Exposure:

Harmful if inhaled. Avoid breathing fumes, mist, vapors, or spray. Use only outdoors or in a well-ventilated area. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Acute Toxicity - Other Information:

LD50, Oral, Rat: 100 mg/kg (Formaldehyde), 4220 mg/kg (Sodium Bicarbonate), details of toxic effects not reported other than lethal dose value. LC50, Inhalation, Rat: (Formaldehyde) 203 mg/m³, peripheral nerve and behavioral effects noted. Formaldehyde is investigated as a tumorigen.

Skin Corrosion and Irritation: Not applicable.

Serious Eye Damage and Irritation: Not applicable.

Respiratory Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled. Avoid breathing fumes, mist, vapors, or spray. In case of inadequate ventilation wear respiratory protection. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician. Dispose of contents in accordance with local, state, federal and international regulations.

Skin Sensitization:

May cause an allergic skin reaction. Avoid breathing fumes, mist, vapors, or spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Specific treatment (Wash areas of contact with water). Wash contaminated clothing before reuse. Dispose of contents in accordance with local, state, federal and international regulations.

Germ Cell Mutagenicity:

May cause genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Carcinogenicity:

May cause cancer. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Section 11: Toxicological Information (Continued)

Reproductive Toxicity:

May damage fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Specific Target Organ Toxicity from Single Exposure: Not applicable.

Specific Target Organ Toxicity from Repeated Exposure: Not applicable.

Aspiration Hazard: Not applicable.

Additional Toxicology Information: Data not available.

Section 12: Ecological Information

Ecotoxicity: Harmful to aquatic life. Avoid release to the environment. Dispose of contents in accordance with local, state, federal and international regulations.

Persistence - degradability : No data available.

Bioaccumulative potential : Not established.

Mobility in soil : Not established.

Results of PBT and vPvB assessment : No data available.

Other adverse effects : No data available.

Section 13: Disposal Considerations

Waste treatment methods: No data available.

Section 14: Transport Information

Land transport (ADR-RID)

General information : Not regulated.

Sea transport (IMDG) [English only]

General information : Not regulated.

Air transport (ICAO-IATA) [English only]

General information : Not regulated.

Section 15: Other Regulatory Information

Occupational Safety and Health Administration (OSHA) Hazards:

Formaldehyde (CAS # 50-00-0): 2 ppm STEL (See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level (See 29 CFR 1910.1048); 0.75 ppm TWA (See 29 CFR 1910.1048)

Canada Domestic Substances List / Non-Domestic Substances List (DSL/NDSL):

Sodium Bicarbonate (CAS # 144-55-8): Present (DSL)

Formaldehyde (CAS # 50-00-0): Present (DSL)

Methyl Alcohol (CAS # 67-56-1): Present (DSL)

Methyl Alcohol (CAS # 67-56-1): Present (NDSL)

Water (CAS # 7732-18-5): Present (DSL)

United States of America Toxic Substances Control Act (TSCA) List:

Sodium Bicarbonate (CAS # 144-55-8): Present

Formaldehyde (CAS # 50-00-0): Present

Methyl Alcohol (CAS # 67-56-1): Present

Water (CAS # 7732-18-5): Present

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

The information contained herein in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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