

SAFETY DATA SHEET

Liberty Lubricants, LLC
3600 Hanna Ave, Emmett, Id. 83617
877-482-0582

SECTION 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: GunSolve Bio-Solvent
MANUFACTURER: Liberty Lubricants, LLC
EMERGENCY PHONE: 877-482-0582
MANUFACTURER ADDRESS: 3600 Hanna Ave, Emmett, Id. 83617
MATERIAL USES: Firearms Cleaning

SECTION 02: COMPOSITION and INFORMATION ON INGREDIENTS

CONTROLLED	% BY WEIGHT	CAS. #	LD/50, ROUTE, SPECY	LC/50, ROUTE, SPECY
NONYLPHENOL ETHOXYLATE	0.06-0.31%	9016-45-9	2590 mg/Kg ORAL-RAT	ND
SODIUM ALKYLE BENZENE SULFONATE	0.03-0.09%	68081-81-2	ND	ND
TRIETHANOLAMINE	0.03-0.09%	102-71-6	8000 mg/Kg ORAL RAT	ND

SECTION 03: HAZARD IDENTIFICATION

Potential acute health effects:	May be an eye or skin irritant. Inhalation of vapors may irritate respiratory tracts. Ingestion may cause irritation of intestinal tract.
Potential chronic health effects:	Carcinogenic effects: None known Mutagenic effects: None known Teratogenic effects: None known Reproduction system effects: None known

SECTION 04: FIRST AID MEASURES

Eye contact:	Flush immediately with water for at least 15 minutes. Do not rub. If irritation develop or persists, see a physician.
Skin contact:	Wash with mild soap and water thoroughly. See physician if necessary.
Inhalation :	Remove to fresh air. If respiration stops, give artificial respiration. See a physician.
Ingestion:	Do not induce vomiting. Drink plenty of water. Do not give anything to an unconscious victim. See physician immediately.

SECTION 05: FIRE AND EXPLOSION DATA

Auto-ignition temperature:	Not available
Flash point:	None
Flammability limit: Lower	Not available
Flammability limit: Upper	Not available
Firefighting media:	Foam, CO2, dry chemical. Use water spray to cool surface of container.
Firefighting instruction:	Use self-contained breathing apparatus, avoid breathing fumes, vapors or mists. Water, may cause frothing.
Products of combustion:	Carbon monoxide and carbon dioxide.
Fire hazards/explosion in presence of various substances:	None
Special remarks on fire/explosion hazards:	Avoid contact with fire and sparks.

SECTION 06: ACCIDENTAL RELEASE MEASURES

Small spill:	Apply absorbent as sand or fuller earth and dispose as recommended.
Large spill:	Dike or contain spill. Apply absorbent. Put in container. Prevent from going into sewer and waterways. Notify proper authorities.

SECTION 07: HANDLING AND STORAGE

Storage: Store in a cool, dry place away from heat and sparks.

SECTION 08: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits :	Not available
Engineering controls:	Local exhaust: None required Mechanical exhaust: None required
Personal protection:	Eye: Chemical splash goggles Gloves: Resistant to chemical penetration Respiratory: In normal usage, respiratory protection is usually not needed.
Work/hygienic practices:	Wash with soap and water after contact. Avoid ingestion. Practice good personal hygiene.

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical state & appearance:	Clear green liquid
Boiling point:	100 °C
Freezing point:	0 °C
Density:	1.02 at 25 °C
Solubility in water:	Complete
Odor threshold:	Not available
Vapor pressure:	Not available
Vapor density:	Not available
Evaporation rate:	Not available
pH:	9.5-10.5
Viscosity	Not applicable

SECTION 10: STABILITY AND REACTIVITY DATA

Stability:	Stable
Incompatibility:	Strong oxidizing agents
Corrosivity:	Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Route of entry:	Inhalation, skin contact, ingestion
Toxicity on animals:	Not available May be an eye or skin irritant. Low to medium in toxicity.
Chronic effects on humans:	

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: Not available

BOD5 et COD: Not available

Products of biodegradation: Not available

Toxicity of the products of biodegradation: Not available

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: Disposal should be in compliance with federal, provincial and local regulations.

SECTION 14: TRANSPORT INFORMATION

Regulatory appellation: Not regulated

TDG classification: Not regulated

UN number: Not applicable

Packing group: Not applicable

Limited quantity index: Not applicable

SECTION 15: OTHER REGULATORY INFORMATION AND PICTOGRAMS

Hazardous material information system (N.F.P.A.)	Minimal	0	Health hazard	1
	Slight	1	Fire hazard	0
	Moderate	2	Reactivity	0
	Serious	3	Personal protection	1
	Severe	4		

Section 16. date of preparation or last revision

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Disclaimer The information in the sheet was written based on the best knowledge and experience currently available.