

Gun Wash

SECTION 1. IDENTIFICATION

Product Identifier	Gun Wash
Other Means of Identification	13-388, 33-888CQ
Recommended Use	Please refer to Product label.
Restrictions on Use	None known.
Manufacturer/Supplier Identifier	Recochem Inc., 850 Montee de Liesse, Montreal, QC, H4T 1P4, Compliance and Regulatory Department, 905-878-5544, www.recochem.com
Emergency Phone No.	CANUTEC, 613-996-6666, 24 Hours
SDS No.	01290002

SECTION 2. HAZARD IDENTIFICATION

Classification

Flammable liquid - Category 2; Acute toxicity (Oral) - Category 4; Skin irritation - Category 2; Eye irritation - Category 2A; Germ cell mutagenicity - Category 2; Carcinogenicity - Category 1A; Reproductive toxicity - Category 2; Reproductive toxicity - Effects on or via lactation; Specific target organ toxicity (single exposure) - Category 3; Specific target organ toxicity (repeated exposure) - Category 2; Aspiration hazard - Category 1

Label Elements



Signal Word:
Danger

Hazard Statement(s):

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315 + H320	Causes skin and eye irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H361	Suspected of damaging fertility or the unborn child.
H362	May cause harm to breast-fed children.
H373	May cause damage to organs through prolonged or repeated exposure.

Precautionary Statement(s):

Prevention:	
P201	Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical, ventilating, and lighting equipment.
P241 Use explosion-proof equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P260 Do not breathe fume, mist, vapours, spray.
P264 Wash hands and skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, eye protection, face protection.

Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P332 + P313 If skin irritation occurs: Get medical advice or attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTRE or doctor if you feel unwell.
P337 + P313 If eye irritation persists: Get medical advice or attention.
P370 + P378 In case of fire: Use appropriate foam, carbon dioxide, dry chemical powder, water spray or fog to extinguish.

Storage:

Store in a well ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Disposal:

Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Methanol	67-56-1	15-40		
Toluene	108-88-3	10-30		
Xylene (mixed isomers)	1330-20-7	10-30		
Methyl ethyl ketone	78-93-3	5-10		
n-Butyl acetate	123-86-4	5-10		
Ethanol	64-17-5	1-5		
Light aromatic solvent naphtha	64742-95-6	1-5		

Product Identifier: Gun Wash - Ver. 1

SDS No.: 012900

Date of Preparation: May 16, 2017

Date of Last Revision:

Page 02 of 12

Ethyl acetate	141-78-6	1-5		
2-Propanol	67-63-0	1-5		
Acetone	67-64-1	1-5		
Solvent naphtha (petroleum), medium aliph.	64742-88-7	1-5		
Methyl isobutyl ketone	108-10-1	1-5		
1-Butanol	71-36-3	1-5		
1-Propanol	71-23-8	1-5		
Isobutyl alcohol	78-83-1	1-5		
n-Propyl acetate	109-60-4	1-5		

Notes

Use of Generic SDS:

If the concentration or actual concentration range of an ingredient of a particular hazardous product in the series is different from the concentration or actual concentration range disclosed for the rest of the series, either the concentration or the actual concentration range must be indicated beside that ingredient under item 3 (Composition/Information on ingredients) of the SDS. Furthermore, if any other specific information element(s) (such as flash point, numerical measure of toxicity, etc.) for a particular hazardous product in the series differs from that of the other products in the series (without affecting the classification), the information element relevant to that hazardous product must be disclosed on the SDS with an indication to which hazardous product each relates.

Source: Health Canada - Technical Guidance on the Requirements of the Hazardous Products Act and the Hazardous Products Regulations WHMIS 2015 Supplier Requirements - pg 117

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment). Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. If breathing has stopped, trained personnel should begin rescue breathing. Avoid mouth-to-mouth contact by using a barrier device. Immediately call a Poison Centre or doctor.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Take off immediately contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 15-20 minutes. Call a Poison Centre or doctor if you feel unwell. If skin irritation occurs, get medical advice or attention. If exposed or concerned, call a Poison Centre or doctor. Thoroughly clean clothing, shoes and leather goods before reuse or dispose of safely.

Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. If breathing has stopped, trained personnel should immediately begin rescue breathing. Avoid mouth-to-mouth contact by using a barrier device. Immediately call a Poison Centre or doctor. Specific treatment is required. If exposed or concerned, get medical advice or attention.

Most Important Symptoms and Effects, Acute and Delayed

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Product Identifier: Gun Wash - Ver. 1

SDS No.: 012900

Date of Preparation: May 16, 2017

Date of Last Revision:

Page 03 of 12

Immediate Medical Attention and Special Treatment

Target Organs

Auditory (hearing) system, eyes, kidneys, liver, nervous system, skin.

Special Instructions

Acute exposure to methanol, either through ingestion or breathing high airborne concentrations can result in symptoms appearing between 40 minutes and 72 hours after exposure. Symptoms and signs are usually limited to CNS, eyes and gastrointestinal tract. Because of the initial CNS's effects of headache, vertigo, lethargy and confusion, there may be an impression of ethanol intoxication. Blurred vision, decreased acuity and photophobia are common complaints. Treatment with ipecac or lavage is indicated in any patient presenting within two hours of ingestion. A profound metabolic acidosis occurs in severe poisoning and serum bicarbonate levels are a more accurate measure of severity than serum methanol levels. Treatment protocols are available from most major hospitals and early collaboration with appropriate hospitals is recommended.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Extremely flammable liquid and vapour. Can ignite at room temperature. Releases vapour that can form explosive mixture with air.

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide.

Special Protective Equipment and Precautions for Fire-fighters

Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Evacuate downwind locations. Use the personal protective equipment recommended in Section 8 of this safety data sheet. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Distant ignition and flashback are possible.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in

Product Identifier: Gun Wash - Ver. 1

SDS No.: 012900

Date of Preparation: May 16, 2017

Date of Last Revision:

Page 04 of 12

areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for Safe Storage

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Methanol	200 ppm	250 ppm	200 ppm	250 ppm		
Toluene	20 ppm A4	Not established	100 ppm	150 ppm		
Methyl ethyl ketone	200 ppm	300 ppm	200 ppm	300 ppm		
Xylene (mixed isomers)	100 ppm	150 ppm	100 ppm	150 ppm		
Ethanol	1000 ppm	1000 ppm	1000 ppm			
Light aromatic solvent naphtha	Not established	Not established	Not established	Not established		
Ethyl acetate	400 ppm		400 ppm			
2-Propanol	200 ppm	400 ppm	400 ppm	500 ppm		
Acetone	250 ppm A4	500 ppm A4	750 ppm	1000 ppm		
Solvent naphtha (petroleum), medium aliph.	100 ppm	Not established	400 ppm	500 ppm		
Methyl isobutyl ketone	Not established	Not established	Not established	Not established		
1-Butanol	Not established	Not established	Not established	Not established		
1-Propanol	Not established	Not established	Not established	Not established		
Isobutyl alcohol	Not established	Not established	Not established	Not established		
n-Propyl acetate	200 ppm	250 ppm	200 ppm	250 ppm		

Appropriate Engineering Controls

Do not allow product to accumulate in the air in work or storage areas, or in confined spaces. Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Use non-sparking ventilation systems, approved explosion-proof equipment and intrinsically safe electrical systems in areas where this product is used and stored. Control static electricity discharges which includes bonding of equipment to ground. Use only non-combustible, compatible materials for walls, floors, ventilation system, air cleaning devices, pallets, shelving. Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Product Identifier: Gun Wash - Ver. 1
 Date of Preparation: May 16, 2017
 Date of Last Revision:

SDS No.: 012900

Page 05 of 12

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.
Suitable materials are: nitrile rubber.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an appropriate cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**Basic Physical and Chemical Properties**

Appearance	Clear colourless liquid.
Odour	Not available
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	55 °C (131 °F)
Flash Point	< 0 °C (32 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	9.7% (upper); 1.6% (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Liquid
Molecular Weight	Not applicable

SECTION 10. STABILITY AND REACTIVITY**Reactivity**

Heating may cause a fire or explosion.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Heat. High temperatures. Prolonged exposure to high temperatures. Accumulation of static charge. Open flames, sparks, static discharge, heat and other ignition sources. Prolonged exposure to air. Sunlight. Temperatures above 0.0 °C (32.0 °F)

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid).

Product Identifier: Gun Wash - Ver. 1

Date of Preparation: May 16, 2017

Date of Last Revision:

SDS No.: 012900

Page 06 of 12

Not corrosive to metals.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; skin absorption.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Methanol	83867.5 mg/m ³ (rat) (4-hour exposure)	143 mg/kg Human - Male	15800 mg/kg (rabbit)
Toluene	12500-28800 mg/m ³ (rat) (4-hour exposure)	> 5580 mg/kg (rat)	12125 mg/kg (rabbit)
Methyl ethyl ketone	11300-11700 ppm (rat) (4-hour exposure)	2737 mg/kg (rat)	> 8050 mg/kg (rabbit)
Xylene (mixed isomers)	6350 mg/m ³ (male rat) (4-hour exposure)	3523 mg/kg (rat)	> 1700 mg/kg (rabbit)
Ethanol	21000 mg/m ³ (mouse) (4-hour exposure)	3450 mg/kg (mouse)	> 15800 mg/kg (rabbit)
Light aromatic solvent naphtha	> 14.4 mg/L (rat) (4-hour exposure)	> 5000 mg/kg (rat)	> 3160 mg/kg (rabbit)
Ethyl acetate	28830-57660 mg/m ³ (rat) (4-hour exposure)	4100 mg/kg (mouse)	> 18000 mg/kg (rabbit)
2-Propanol	17000 ppm (rat) (4-hour exposure)	3600 mg/kg (mouse)	12890 mg/kg (rabbit)
Acetone	18600 ppm (male mouse) (4-hour exposure)	5245 mg/kg (male mouse)	> 15800 mg/kg (rabbit)
Solvent naphtha (petroleum), medium aliph.	> 14.1 mg/L (rat) (4-hour exposure)	> 6212 mg/kg (rat)	> 3000 mg/kg (rabbit)
n-Butyl acetate		10700 mg/kg (female rat)	> 5000 mg/kg (rabbit)
Methyl isobutyl ketone	2000-4000 ppm (rat) (4-hour exposure)	1200 mg/kg (male rat)	> 2000 mg/kg (rabbit)
1-Butanol	> 8000 ppm (rat) (4-hour exposure)	790 mg/kg (male rat)	4200 mg/kg (rabbit)
1-Propanol	> 4000 ppm (rat) (4-hour exposure)	1870 mg/kg (rat)	4050 mg/kg (guinea pig)
Isobutyl alcohol	Not available	2460 mg/kg (rat)	3400 mg/kg (rabbit)
n-Propyl acetate	8000 ppm (rat) (4-hour exposure)	8700 mg/kg (rat)	> 17700 mg/kg (rabbit)

Inhalation ATE: 232.12 mg/m³ 4hr

Oral ATE: 422.45 mg/kg

Dermal ATE: 4043.63 mg/kg

Skin Corrosion/Irritation

Human experience and animal tests show moderate or severe irritation.

Serious Eye Damage/Irritation

Human experience and animal tests show serious eye irritation.

Product Identifier: Gun Wash - Ver. 1

Date of Preparation: May 16, 2017

Date of Last Revision:

SDS No.: 012900

Page 07 of 12

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Toxic, can cause death based on human experience and animal tests. At high concentrations.

Skin Absorption

No information was located.

Ingestion

Toxic, can cause death based on human experience and animal tests.

depression of the central nervous system, impaired vision and blindness. In some cases, there may be delayed effects on the nervous system. Symptoms may include headache, nausea, vomiting, dizziness, drowsiness and confusion. A severe exposure may cause stomach pain, muscle pain, difficult breathing and coma. Vision can be impaired and permanent blindness can result. There may be other permanent effects on the nervous system e.g. tremor, seizures.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited. Death can result.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Causes If inhaled: harmful effects on the hearing (auditory) system. Exposure to this chemical and loud noise may cause greater hearing loss than expected from noise exposure alone.

Causes harmful effects on the kidneys, harmful effects on the liver.

Causes If inhaled and/or following skin contact: effects on the central nervous system, "organic solvent syndrome".

May cause Following skin contact: dermatitis. Symptoms may include dry, red, cracked skin (dermatitis).

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Methanol	Not Listed	Not designated	Not Listed	Not Listed
Toluene	Group 3	A4	Not Listed	Not Listed
Methyl ethyl ketone	Not Listed	Not Listed	Not Listed	Not Listed
Xylene (mixed isomers)	Group 3	A4	Not Listed	Not Listed
Ethanol	Group 1	A3	Not Listed	Not Listed
Light aromatic solvent naphtha	Group 3	Not designated	Not Listed	Not Listed
Ethyl acetate	Not Listed	Not designated	Not Listed	Not Listed
2-Propanol	Group 3	A4	Not Listed	Not Listed
Acetone	Not Listed	A4	Not Listed	Not Listed
Solvent naphtha (petroleum), medium aliph.	Group 3	Not designated	Not Listed	Not Listed
Methyl isobutyl ketone	Group 2B	A3	Not Listed	Not Listed
1-Butanol	Not Listed	Not designated	Not Listed	Not Listed
1-Propanol	Not Listed	A4	Not Listed	Not Listed
Isobutyl alcohol	Not Listed	Not designated	Not Listed	Not Listed
n-Propyl acetate	Not Listed	Not designated	Not Listed	Not Listed

Reproductive Toxicity

Development of Offspring

May harm the unborn child.

Sexual Function and Fertility

May cause effects on sexual function and/or fertility.

Effects on or via Lactation

Product Identifier: Gun Wash - Ver. 1

SDS No.: 012900

Date of Preparation: May 16, 2017

Date of Last Revision:

Page 08 of 12

May cause effects on or via laccation. Can transfer to mother's milk. May cause harm to breastfed babies.

Germ Cell Mutagenicity

May be mutagenic based on limited evidence.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS.

This section is not required by OSHA HCS 2012.

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Methanol	15400 mg/L (Lepomis macrochirus (bluegill); 96-hour)	10000 mg/L (Daphnia magna (water flea); 48-hour)		
Toluene	7.63 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; fresh water)	8 mg/L (Daphnia magna (water flea); 24 hr)		
Methyl ethyl ketone	3130-3320 mg/L (Pimephales promelas (fathead minnow); 96-hour)	Not available		Not available
Xylene (mixed isomers)	13.4 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; fresh water)	150 mg/L (Daphnia magna (water flea))		
Ethanol	42 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; fresh water)	2 mg/L (Daphnia magna (water flea); 48-hour; fresh water)		
Light aromatic solvent naphtha	Not available	Not available		
Ethyl acetate	350-600 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	2300-3900 mg/L (Daphnia magna (water flea))		4300 mg/L (Pseudokirchneriella subcapitata (algae))
2-Propanol	9640 mg/L (Pimephales promelas (fathead minnow); 96-hour)	7500-13299 mg/L (Daphnia magna (water flea); 48-hour)		> 2000 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)
Acetone	8300 mg/L (Lepomis macrochirus (bluegill))	Not available		
Solvent naphtha (petroleum), medium aliph.	800 mg/L (Pimephales promelas (fathead	Not available		

	minnow); 96-hour)			
Methyl isobutyl ketone	Not available	Not available		
1-Butanol	1940 mg/L (Pimephales promelas (fathead minnow); fresh water; static)	2337 mg/L (Daphnia magna (water flea); 24 hr; fresh water; static)		
1-Propanol	4480 mg/L (Pimephales promelas (fathead minnow); 96-hour)	Not available		
Isobutyl alcohol	1510 mg/L (Pimephales promelas (fathead minnow); 96-hour; fresh water; static)	1250 mg/L (Daphnia magna (water flea); 24 hr; fresh water)		
n-Propyl acetate	60 mg/L (Pimephales promelas (fathead minnow); 96-hour)	511000 ug/L (Daphnia magna (water flea); 24 hr; fresh water; static)		

Chronic Aquatic Toxicity

Chemical Name	NOEC Fish	EC50 Fish	NOEC Crustacea	EC50 Crustacea
Methanol	7900 mg/L (Lepomis macrochirus (bluegill); 200-hrs)			
Toluene	5.44 mg/L (Oncorhynchus mykiss (rainbow trout))		Not available	
Methyl ethyl ketone	400 mg/L (salt water)			
Xylene (mixed isomers)	Not available		Not available	
Ethanol			< 6300 mg/L (Daphnia magna (water flea); fresh water)	
Acetone	Not available		Not available	
Solvent naphtha (petroleum), medium aliph.	Not available		Not available	
Methyl isobutyl ketone	Not available		Not available	
1-Butanol	Not available		Not available	
1-Propanol	Not available		Not available	
Isobutyl alcohol	Not available		Not available	
n-Propyl acetate	Not available		Not available	

Persistence and Degradability

No information was located.

Bioaccumulative Potential

Product Identifier: Gun Wash - Ver. 1
Date of Preparation: May 16, 2017
Date of Last Revision:

SDS No.: 012900

Page 10 of 12

No information was located.

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14. TRANSPORT INFORMATION

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class(es)	Packing Group
Canadian TDG	1993	FLAMMABLE LIQUID, N.O.S. (Methanol, Toluene, Xylene)	3	II
US DOT	1993	FLAMMABLE LIQUID, N.O.S. (Methanol, Toluene, Xylene)	3	II

Environmental Hazards Not applicable

Special Precautions Please note: In containers of 1 L (1Kg) capacity or less this product is classified as a "Limited Quantities""Consumer Commodity" under TDG regulations.
In containers of 1 L (1Kg) this product is qualified as a "consumer commodity" ORM-D under DOT

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Proof of Dangerous Goods Classification

Date of Classification May 16, 2017
Technical Name FLAMMABLE LIQUID, N.O.S.
Classification 3 PG II
Classification Method Flashpoint as per Section 9

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

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

All ingredients are listed on the DSL/NDSL.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

California Proposition 65:

Product Identifier: Gun Wash - Ver. 1

SDS No.: 012900

Date of Preparation: May 16, 2017

Date of Last Revision:

Page 11 of 12

SECTION 16. OTHER INFORMATION

SDS Prepared By Compliance and Regulatory Department
Phone No. 905-878-5544
Date of Preparation May 16, 2017
References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).
Additional Information We are committed to uphold the Industry Consumer Ingredient Communication Voluntary Initiative.
Please send us your request by visiting our website at www.recochem.com.

Ingredients present (intentionally added ingredients) at a concentration of greater than one percent (1%) shall be listed in descending order of predominance. Ingredients present at a concentration of not more than one percent shall be listed but may be disclosed without respect to order of predominance.

Disclaimer Notice to reader: To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Product Identifier: Gun Wash - Ver. 1
Date of Preparation: May 16, 2017
Date of Last Revision:

SDS No.: 012900

Page 12 of 12