Coburn Technologies, Inc.
55 Gerber Road East
South Windsor, CT 06074
860.648.4957

Safety Data Sheet
Rocket Clean

1. IDENTIFICATION

Synonyms **none**
Material Use **line cleaning solvent**

IN AN EMERGENCY CALL: INFOTRAC 1-800-535-5053

2. HAZARD IDENTIFICATION

GHS Class	*flammable liquid*	*organ toxicity*	*toxic to reproduction*
(Category)	*(3)*	*(3)*	*(1B)*
Signal Words	*WARNING*	*WARNING*	*DANGER*
Hazard Statements	*flammable liquid and vapor (H226)*	*may cause drowsiness or dizziness (H336)*	*may damage the unborn child (H360D)*

GHS Precautionary Statements for Labeling

P201 **Obtain special instructions before use.**
P202 **Do not handle until all safety precautions have been read and understood.**
P210 **Keep away from heat, sparks, open flames and hot surfaces. No smoking.**
P233 **Keep container tightly closed.**
P240 **Ground/bond container and receiving equipment.**
P241 **Use explosion-proof electrical/ventilating/lighting/equipment.**
P242 **Use only non-sparking tools.**
P243 **Take precautionary measures against static discharge.**
P261 **Avoid breathing dust/fume/gas/mist/vapors/spray.**
P271 **Use only outdoors or in a well-ventilated area.**
P280 **Wear face protection.**
P308, P313 **If exposed or concerned; get medical advice/attention.**
P370, P378 **In case of fire; use water spray, carbon dioxide, dry chemical or alcohol foam for extinction.**
P303, P361, P353 **If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.**
P304, P340 **If inhaled; remove victim to fresh air and keep at rest in a position comfortable for breathing.**
P403, P235 **Store in a well-ventilated place. Keep cool.**
P405 **Store locked up.**
P501 **Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations and product characteristics at time of disposal.**

3. COMPOSITION

	CAS NUMBER	%
1-methoxy-2-Propanol	107-98-2	97-100%
2-methoxy-1-propanol	1589-47-5	<1%

4. FIRST AID

SKIN: Wash with plenty of water. Remove contaminated clothing and do not reuse until thoroughly cleaned or laundered. Seek medical help promptly if there is persistent itching or redness in the affected area.

EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance if there is any irritation.

INHALATION: Remove from contaminated area promptly. **CAUTION: Rescuer must not endanger himself!** If victim's breathing stops, administer artificial respiration and seek medical aid promptly. ***cont'd next page***

INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

5. FLAMMABILITY & FIRE-FIGHTING

Flash Point	31°C (Setaflash closed cup)
Autoignition Temperature	N/A
Flammable Limits	N/A
Firefighting Precautions	alcohol resistant foam, dry chemical, water fog or spray; firefighters must wear SCBA
Special hazards arising from the substance and mixture:	Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations. May form peroxides of unknown stability.

6. ACCIDENTAL RELEASE MEASURES

Leak Precaution	dike to control spillage and prevent environmental contamination
Handling Spill	Eliminate sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container For chemical waste.

7. HANDLING & STORAGE

Store in a cool, dry environment, away from sources of ignition, heat and oxidizing agents. Ensure that containers are full & well-sealed. Empty containers may contain a flammable or explosive vapor. Keep containers tightly sealed unless in use.

Avoid breathing product vapor. Use with adequate ventilation. If dealing with a spill, and ventilation is impossible or impractical, wear a suitable respirator with organic vapor cartridge.

Avoid contact with skin and wash work clothes frequently. An eye bath should be available near the workplace.

8. EXPOSURE CONTROL & PERSONAL PROTECTION

ACGIH TLV	50 ppm	ACGIH STEL	100 ppm
OSHA PEL	not listed	OSHA STEL	not listed

Ventilation	mechanical ventilation is probably not required, if TLV is not exceeded
Hands	chemical resistant gloves
Eyes	safety glasses with side shields – *always protect the eyes*
Clothing	no special protective clothing required

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor & Appearance	clear, colorless liquid with ether odor
Odor Threshold	10 ppm
Vapor Pressure	14.7 mbar (25 °C)
Evaporation Rate (*Butyl Acetate = 1*)	not determined
Vapor Density (air = 1)	3.1
Boiling Range	120°C
Melting Point	-97°C
Specific Gravity	0.915 (23 °C)
Water Solubility	complete
Log $P_{o/w}$ (Octanol/H_2O partition)	-0.18
Dynamic Viscosity	1.9 mPa.s (20 °C)
pH	none

cont'd next page

10. REACTIVITY

Dangerously Reactive With	strong oxidizing agents may cause fire; may react violently; may form peroxides of unknown stability
Stability	stable; will not polymerize
Decomposition Products	Carbon dioxide. Carbon monoxide.
Conditions to Avoid	Heat, spark, flames

11. TOXICITY INFORMATION

i. *ACUTE EXPOSURE*

Skin Contact	mildly irritating
Eye Contact	not known
Inhalation	high vapor concentrations may cause drowsiness and irritation
Ingestion	not known
Calculated LD_{50} (oral)	6040mg/kg (rat)
Calculated LD_{50} (skin)	12900mg/kg (rabbit)
Calculated LC_{50} (inhalation)	7000ppm (rat)

ii. *CHRONIC EXPOSURE*

General	prolonged exposure may cause dermatitis & inflamed (red) skin
Sensitizing	not a sensitizer in humans or animals
Carcinogen/Tumorigen	not considered a tumorigen or a carcinogen in humans or animals
Reproductive Effect	no known effect in humans, *teratogen in rats (but not rabbits) at doses causing maternal toxicity*
Mutagen	no known effect on humans or animals
Synergistic With	not known

12. ECOLOGICAL INFORMATION

Bioaccumulation	not a bioaccumulator
Biodegradation	no data
Abiotic Degradation	no data
Mobility in soil, water	water soluble; moves readily in soil and water
Aquatic Toxicity	
LC_{50} (Salmon, 96hr)	>1,000mg/liter
LC_{50} (Crustacea, 48hr)	no data
EC_{50} (Algæ)	no data
EC_{50} (Bacteria)	no data

13. DISPOSAL CONSIDERATIONS

Waste Disposal	**do not flush to sewer**, recycle solvent if possible, may be incinerated in approved facility
Containers	**Drums** should be reused. Recondition and pressure test by a licensed reconditioner prior to re-use.
	Pails must be vented and thoroughly dried prior to crushing and recycling.
	IBCs (intermediate bulk containers): polyethylene bottle must be pressure tested & recertified at 30 months. Replace at 60 months (5 years). Steel containers must be inspected, pressure tested & recertified every 5 years.

Warning: never cut, drill, weld or grind on or near this container, even if empty.

cont'd next page

14. TRANSPORT INFORMATION

USA 49 CFR & Canada/International TDG

Product Identification Number	**UN3092**
Shipping Name	**1-Methoxy-2-propanol**
Classification	**Class 3; Packing Group III**
Marine Pollution	***not a marine pollutant***
ERAP Required	***No***

NOTE: Packing Group III requires no safety marks when transported in a "small" means of containment (less than 500 liters).

15. REGULATIONS

This product has been classified in accordance with hazard criteria of the controlled products regulations and the SDS contains all the information required by the Controlled products regulations.

WHMIS (Canada)Status: controlled
WHMIS (Canada) hazard classification: B/2, D/2/A, D/2/B
SARA 311-312 Hazard Classification: immediate (acute) health hazard, delayed (chronic) health hazard, fire hazard
US EPCRA (SARA Title III) Section 313-Toxic Chemical list-NONE
OSHA: Hazardous

Canada DSL	**on inventory**
U.S.A. TSCA	**on inventory**
Europe EINECS	**on inventory**

16. OTHER INFORMATION

Date of Preparation	**May 2015**
Date of Revision	**-**

Prepared for Coburn Technologies Inc.

last page of SDS

PLEASE ENSURE THAT THIS SDS IS GIVEN TO, AND EXPLAINED TO PEOPLE USING THIS PRODUCT.

EMERGENCY INFORMATION: INFOTRAC 1-800-535-5053