

# MATERIAL SAFETY DATA SHEET



Date Issued: 11/13/2009  
MSDS No: GC-33  
Date Revised: 11/13/2009  
Revision No: 1

## GC33 Gun Cleaner (item #GC33-PH)

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** GC33 Gun Cleaner (item #GC33-PH)

#### MANUFACTURER

ITW TACC  
56 Air Station Industrial Park  
Rockland MA 02370  
**Product Stewardship:** (781) 878-7015  
**Service Number:** (800) 503-6991

**COMMENTS:** FOAMSEAL is a registered trademark of Illinois Tool Works, Inc.

### 2. HAZARDS IDENTIFICATION

#### HAZARD DESIGNATION

"Xi" - Irritant

#### EMERGENCY OVERVIEW

**IMMEDIATE CONCERNS:** WARNING! Combustible liquid and vapor. Causes eye and skin irritation.

#### POTENTIAL HEALTH EFFECTS

**EYES:** Mildly irritating to the eyes.

**SKIN:** Not likely to be absorbed in toxic amounts. Prolonged exposure may cause skin irritation. Avoid skin contact as much as possible.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Product is considered to have a low order of acute oral toxicity.

**INHALATION:** Excessive exposure may cause irritation to the upper respiratory tract. Signs and symptoms of excessive exposure may be anesthetic or narcotic effects.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**EYES:** Slight irritation.

**SKIN:** Slight skin irritation.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** None known, not likely route of entry.

**INHALATION:** Materials are low in volatility therefore not likely to pose a problem.

**CHRONIC EFFECTS:** None known.

**CARCINOGENICITY:** None known.

**MUTAGENICITY:** None known.

#### REPRODUCTIVE TOXICITY

**REPRODUCTIVE EFFECTS:** None known.

**TERATOGENIC EFFECTS:** None known.

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**ROUTES OF ENTRY:** Eye and skin contact. Inhalation and ingestion are unlikely routes of entry.

**TARGET ORGAN STATEMENT:** None known.

**IRRITANCY:** Slight eye and skin irritation.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS	Classification
Dipropylene Glycol Methyl Ether	55 - 60	034590-94-8	252-104-2	Xi; 36/37/38
1-methyl-2-pyrrolidinone	40 - 45	000872-50-4	212-828-1	Xi; 36/37/38-61

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

**SKIN:** Wash with soap and water. Get medical attention if irritation develops or persists.

**INGESTION:** Small amounts are not expected to produce adverse health effects. Larger amounts should be recovered by aspiration. Get medical attention.

**INHALATION:** Remove person to fresh air. Seek medical attention if discomfort persists.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (165°F) to (175°F)

**FLAMMABLE LIMITS:** 1.1 to 14.0

**FLAMMABLE CLASS:** Class IIIA

**GENERAL HAZARD:** Combustible Liquid.

**EXTINGUISHING MEDIA:** Water spray, carbon dioxide, dry chemical or foam.

**EXPLOSION HAZARDS:** Low hazard

**FIRE FIGHTING PROCEDURES:** As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. After water evaporates, remaining material will burn.

**FIRE FIGHTING EQUIPMENT:** Turnout gear, self-contained breathing apparatus for protection against suffocation and toxic decomposition products.

**SENSITIVE TO STATIC DISCHARGE:** Not Applicable

**SENSITIVITY TO IMPACT:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, various hydrocarbons

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### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on absorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal. Only those persons who are adequately trained, authorized, and wearing the appropriate personal protective equipment (PPE) should participate in spill response and clean-up.

**LARGE SPILL:** Keep spectators away. Only those persons who are adequately trained, authorized and wearing the required personal protective equipment (PPE) should participate in spill response and clean-up. Know and prepare for spill response before using or handling this product. Dike and contain spill with inert material (e.g. sand, earth). Transfer liquids to covered and labeled containers for disposal. Use appropriate PPE. Place absorbent diking materials in covered containers for disposal. Prevent contamination of sewers, streams, and groundwater with spilled material or used absorbent.

### 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** For professional or industrial use only. Follow label instructions. Keep out of the reach of children. Not for consumption. No smoking. Do not breathe vapors. Avoid contact with body. Empty containers must not be washed and re-used for any purpose. Contact lens wearers must wear protective eye wear around chemical vapors and liquid. Wash hands thoroughly after handling. To prevent build-up of vapors, use adequate natural and/or mechanical ventilation (e.g. open all windows and doors to achieve cross ventilation).

**HANDLING:** Containers should be tightly closed to prevent contamination with foreign materials and moisture. Employee education and training in the safe handling of this product are required under the Federal OSHA Hazard Communication Standard.

**STORAGE:** Keep container closed when not in use. Store in a dry well ventilated area and out of the sun.

**STORAGE TEMPERATURE:** 15.5°C (60°F) Minimum to 35°C (95°F) Maximum

**SHELF LIFE:** 1 year from manufacture date

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Dipropylene Glycol Methyl Ether	TWA	100 ppm	600 mg/m <sup>3</sup>	100 ppm	606 mg/m <sup>3</sup>
	STEL	150 ppm	900 mg/m <sup>3</sup>	150 ppm	909 mg/m <sup>3</sup>
1-methyl-2-pyrrolidinone	TWA	NL [1]	NL [1]	NL [1]	NL [1]
	STEL	NL [1]	NL [1]	NL [1]	NL [1]
<b>Footnotes:</b>					
1. NL = Not Listed					

**ENGINEERING CONTROLS:** Natural ventilation should be adequate under normal conditions.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields. A face shield may be necessary if spraying the product.

**SKIN:** Wear impervious gloves, if needed, to prevent repeated or prolonged skin contact.

**RESPIRATORY:** No respiratory protection required under normal conditions.

**WORK HYGIENIC PRACTICES:** Wash hands thoroughly after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Slight Amine Odor

**COLOR:** Colorless

**PERCENT VOLATILE:** 100.0

**BOILING POINT:** (356°F)

**FLASHPOINT AND METHOD:** (165°F) to (175°F)

**SOLUBILITY IN WATER:** Soluble

**DENSITY:** 8.195 lbs/gal

**SPECIFIC GRAVITY:** 0.983

**(VOC):** 983.000 gr/L EPA Method 24 VOC

**COMMENTS:** 0 lb VHAP/lb Solid  
 0% by weight HAP

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### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**STABILITY:** Stable.

**POLYMERIZATION:** Product will not undergo polymerization.

**CONDITIONS TO AVOID:** None known.

**POSSIBILITY OF HAZARDOUS REACTIONS:** None Expected.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, various hydrocarbons

**INCOMPATIBLE MATERIALS:** Avoid contact with strong oxidizing agents, strong alkalis, and strong mineral acids

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Dipropylene Glycol Methyl Ether	5200 ml/kg	9500 mg/kg	No data
1-methyl-2-pyrrolidinone	3914 mg/kg	8000 mg/kg	> 5000 mg/L (4-hr)

#### CARCINOGENICITY

**IARC:** Not Applicable

**NTP:** Not Applicable

**OSHA:** Not Applicable

**IRRITATION:** Slight eyes and skin irritation.

**CORROSIVITY:** Not Applicable

**SENSITIZATION:** Not Applicable

**NEUROTOXICITY:** Not Applicable

**GENETIC EFFECTS:** Not Applicable

**REPRODUCTIVE EFFECTS:** Not Applicable

**SYNERGISTIC MATERIALS:** Not Applicable

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** This product contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

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**ECOTOXICOLOGICAL INFORMATION:** Contains components that are potentially toxic to freshwater and saltwater ecosystems.

**BIOACCUMULATION/ACCUMULATION:** Contains components with the potential to bio-accumulate.

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Dispose of in accordance with all local, state and federal regulations.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

**NAERG:** 121

**MARINE POLLUTANT #1:** None

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
1-methyl-2-pyrrolidinone	40 - 45	000872-50-4

#### TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Dipropylene Glycol Methyl Ether	034590-94-8
1-methyl-2-pyrrolidinone	000872-50-4

#### CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Dipropylene Glycol Methyl Ether	55 - 60	034590-94-8

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### STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Dipropylene Glycol Methyl Ether	New Jersey Right to Know List Pennsylvania Right to Know List Massachusetts Right to Know List
1-methyl-2-pyrrolidinone	Pennsylvania Right to Know List Massachusetts Right to Know List

**CALIFORNIA PROPOSITION 65:** This product contains n-methyl-2-pyrrolidone, a chemical known to the state of California to cause birth defects or other reproductive harm.

Chemical Name	Wt. %	Listed
1-methyl-2-pyrrolidinone	40 - 45	• Developmental Toxicity

### EUROPEAN COMMUNITY

#### EEC LABEL SYMBOL AND CLASSIFICATION



"Xi" - Irritant

### 16. OTHER INFORMATION

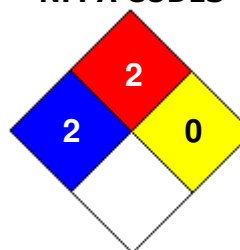
**INFORMATION CONTACT:** (781) 878-7015

**REVISION SUMMARY:** Revision #: 1 This MSDS replaces the October 08, 2009 MSDS. Any changes in information are as follows: In Section 1 Date Prepared In Section 7 Shelf Life

#### HMIS RATING

<b>HEALTH:</b>	1	<b>2</b>
<b>FLAMMABILITY:</b>	2	<b>2</b>
<b>PHYSICAL HAZARD:</b>	0	
<b>PERSONAL PROTECTION:</b>	<b>B</b>	

#### NFPA CODES



**GENERAL STATEMENTS:** Keep out of reach of children

For professional or industrial use only

If you cannot read, or do not understand all directions, cautions, and warnings, do not use this product

#### MANUFACTURER DISCLAIMER:

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