

## 408A RUBBER RENUÉ™

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Identifier:** 408A Rubber Renué™

**Other Means Of Identification:** Not applicable

**Related Part #** 408A-125ML, 408A-250ML, 408A-1L

### Recommended Use and Restriction on Use

**Use:** Liquid for rejuvenating and reconditioning rubber

**Uses Advised Against:** Not available

### Details of Manufacturer or Importer

#### Manufacturer

MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADA

MG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA

**☎** +1-800-340-0772

**FAX** +1-800-340-0773

**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)

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**☎** +1-905-331-1396

**FAX** +1-905-331-2682

**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)

**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number

**For hazardous material incidents ONLY** (leaks, spills, fires, exposures or accidents)

USA or CANADA—Call Verisk 3E at **+1-866-519-4752** or **+1-760-476-3962**

(Service access code: 335388)

**For emergencies involving the transport of dangerous goods;** 24/7 service

CANADA—Call CANUTEC collect at **+1-613-996-6666** or **\*666** on cellular phones

## 408A RUBBER RENUE™

### Section 2: Hazard(s) Identification




#### Classification of Hazardous Chemical

#### GHS Categories

Criteria	Category	Signal Word	Pictograms
Aspiration Hazard	1	Danger	Health
Carcinogenicity	2	Warning	Health
Specific Target Organ Toxicity      Repeated Exposure	2	Warning	Health
Flammable Liquids	3	Warning	Flame
Skin irritation	2	Warning	Exclamation
Eye irritation	2	Warning	Exclamation
Specific Target Organ Toxicity      Single Exposure	3	Warning	Exclamation
Hazardous to the Aquatic Environment      Chronic	3	none	none

*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

#### Label Elements

<b>Signal Word</b>	<b>DANGER</b>
<b>Pictograms</b>	<b>Hazard Statements</b>
	H304: May be fatal if swallowed and enters airways H351: Suspected of causing cancer H373: May cause damage to organs (inner ear, liver) through prolonged or repeated exposure
	H226: Flammable liquid and vapor
	H319: Causes serious eye irritation H315: Causes skin irritation H335: May cause respiratory irritation H336: May cause drowsiness or dizziness H412: Harmful to aquatic life with long lasting effects
<i>No symbol mandated</i>	

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**408A RUBBER RENUÉ™**
*Continued...*

<b>Prevention</b>	<b>Precautionary Statements</b>
P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P260	Do not breathe mist, vapors, or spray.
P271	Use only outdoors or in a well-ventilated area.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof equipment.
P243	Take action to prevent static discharges.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves, protective clothing, and eye protection.
P273	Avoid release to the environment.
<b>Response</b>	<b>Precautionary Statements</b>
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
P308 + P313	IF exposed or concerned: Get medical advice or attention.
P301 + P310, P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P303 + P361 + P352	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash with plenty of water.
P332 + P313	If skin irritation occurs: Get medical advice or attention.
P363	Wash contaminated clothing before reuse.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice or attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER or doctor if you feel unwell.

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**408A RUBBER RENUE™**
*Continued...*

<b>Storage</b>	<b>Precautionary Statements</b>
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
<b>Disposal</b>	<b>Precautionary Statements</b>
P501	Dispose of contents in accordance to local, regional, national, and international regulations.

**Hazards Not Otherwise Classified**

<b>Other Criteria</b>	<b>Hazard Statements/Precautionary Statement</b>	<b>Signal Word</b>	<b>Pictograms</b>
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None

**Section 3: Composition/Information on Ingredients**

<b>CAS #</b>	<b>Chemical Name</b>	<b>%(weight)</b>
1330-20-7	xylene (mixture)	60-68%
100-41-4	ethylbenzene	17-26%
119-36-8	methyl salicylate	15%

**408A RUBBER RENUE™**
**Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statements</i>
<b>IF SWALLOWED</b>	P301 + P310, P331, P308 + P313
<b>Immediate Symptoms</b>	<i>nausea, weakness, headache, abdominal pain, drowsiness, dizziness, unconsciousness</i>
<b>Response</b>	Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF exposed or concerned: Get medical advice or attention.
<b>IF ON SKIN (or hair)</b>	P303 + P361 + P352, P332 + P313, P363, P308 + P313
<b>Immediate Symptoms</b>	<i>dry skin, redness, irritation</i>
<b>Response</b>	Take off immediately all contaminated clothing. Wash with plenty of water. If skin irritation occurs: Get medical advice or attention. Wash contaminated clothing before reuse. IF exposed or concerned: Get medical advice or attention.
<b>IF IN EYES</b>	P305 + P351 + P338, P308 + P313
<b>Immediate Symptoms</b>	<i>redness, irritation, pain</i>
<b>Response</b>	Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice or attention.
<b>IF INHALED</b>	P304 + P340, P312, P308 + P313
<b>Immediate Symptoms</b>	<i>nausea, weakness, headache, drowsiness, dizziness, respiratory irritation, unconsciousness</i>
<b>Delayed Symptoms</b>	<i>deep and rapid breathing, nausea</i>
<b>Response</b>	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell. IF exposed or concerned: Get medical advice or attention.

**408A RUBBER RENUE™****Section 5: Fire-Fighting Measures**

<b>Extinguishing Media</b>	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.  Use water spray to cool containers.
<b>Specific Hazards</b>	The vapors are heavier than air and may accumulate in low-lying areas. Vapors may travel long distances and ignite at an ignition source, which can cause a flashback or an explosion.  Prevent fire-fighting wash from entering waterway or sewer system.
<b>Combustion Products</b>	Produces carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire-Fighter</b>	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

**Section 6: Accidental Release Measures**

<b>Personal Protection</b>	See personal protection recommendations in Section 8.
<b>Precautions for Response</b>	Remove or keep away all sources of extreme heat or open flames. Do not breathe the mist, spray, or vapors.
<b>Environmental Precautions</b>	Avoid releasing to the environment. Prevent spill from entering drains and waterways.
<b>Containment Methods</b>	Contain with inert and non-flammable absorbent (such as soil, sand, vermiculite).
<b>Cleaning Methods</b>	Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wash spill area with soap and water to remove the last traces of residue.  <b>RECOMMENDATION:</b> Use a grounded stainless steel or carbon steel container.
<b>Disposal Methods</b>	Dispose of spill waste according to Section 13.

**408A RUBBER RENUE™****Section 7: Handling and Storage****Prevention**

Keep out of reach of children.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take action to prevent static discharges.

Ground and bond container and receiving equipment. Take precautionary measures against static discharge.

Do not breathe mist, vapors, or spray. Use only outdoors or in a well-ventilated area. Keep container tightly closed.

**Handling**

Wear protective gloves, protective clothing, and eye protection.

Wash hands thoroughly after handling.

Avoid release to the environment.

**Storage**

Store in well ventilated place. Keep cool.

Store locked up.

**408A RUBBER RENUE™**
**Section 8: Exposure Controls/Personal Protection**
**Substances with Occupational Exposure Limit Values**

<b>Chemical Name</b>	<b>Country</b>	<b>Long Term Exposure Limits (PEL)</b>	<b>Short Term Exposure Limits (STEL)</b>
xylene (mixed isomers)	ACGIH	100 ppm	150 ppm
	U.S.A. OSHA PEL	100 ppm	150 ppm
	Canada AB	100 ppm	150 ppm
	Canada BC	100 ppm	150 ppm
	Canada ON	100 ppm	150 ppm
	Canada QC	100 ppm	150 ppm
ethylbenzene	ACGIH	100 ppm	Not established
	U.S.A. OSHA PEL	100 ppm	125 ppm
	Canada AB	100 ppm	125 ppm
	Canada BC	20 ppm	Not established
	Canada ON	100 ppm	125 ppm
	Canada QC	100 ppm	125 ppm

*Note:* Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH<sup>1</sup>, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from by RTECS database<sup>2</sup> and data from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

**Engineering Controls**
**Ventilation**

Keep airborne concentrations below the occupational exposure limits (OEL).

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## 408A RUBBER RENUÉ™

### Personal Protective Equipment

**Eye protection**

Wear appropriate protective eyeglasses or chemical safety goggles.

**RECOMMENDATION:** Ensure that glasses have side shields for lateral protection.

**Skin Protection**

For likely contacts, use polyvinyl alcohol (PVA), viton, or other chemically resistant gloves.

For incidental contacts, use nitrile or other chemically resistant gloves.

**Respiratory Protection**

For over-exposures up to 10 x OEL of mist, vapors, or spray, wear respirator such as a half-mask respirator with organic vapor cartridges.

Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.

**RECOMMENDATION:** Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

### General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

**408A RUBBER RENUE™**
**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Lower Flammability Limit</b>	1%
<b>Appearance</b>	Clear, orange tint	<b>Upper Flammability Limit</b>	7%
<b>Odor</b>	Aromatic	<b>Vapor Pressure @20 °C</b>	9.5 hPa [7.1 mmHg]
<b>Odor Threshold</b>	Not available	<b>Vapor Density</b>	>2 (Air =1)
<b>pH</b>	Not available	<b>Relative Density @15.5 °C</b>	0.91
<b>Freezing/Melting Point</b>	Not available	<b>Solubility in Water</b>	Immiscible
<b>Initial Boiling Point</b>	>137 °C [>279 °F]	<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Flash Point</b> <sup>a)</sup>	27 °C [81 °F]	<b>Auto-ignition Temperature</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Decomposition Temperature</b>	Not available
<b>Flammability</b>	Très inflammable	<b>Viscosity @40 °C</b>	<20.5 mm <sup>2</sup> /s

a) Closed cup flash point

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	Not available
<b>Chemical Stability</b>	Chemically stable at normal temperatures and pressures
<b>Conditions to Avoid</b>	Avoid flames, sparks, other ignition sources and incompatible substances.
<b>Incompatibilities</b>	Strong oxidizing agents, strong bases
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.

**408A RUBBER RENUE™**
**Section 11: Toxicological Information**
**Summary of Effects and Symptoms by Routes of Exposure**

<b>Eyes</b>	Cause redness, eye irritation, and pain.
<b>Skin</b>	Cause dry skin, redness, and irritation.
<b>Inhalation</b>	May cause nausea, weakness, headache, drowsiness, dizziness, unconsciousness. May cause irritation of the nose and throat.
<b>Ingestion</b>	May cause nausea, weakness, headache, abdominal pain, drowsiness, dizziness, unconsciousness (also see inhalation symptoms).
<b>Chronic</b>	<p>Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin.</p> <p>Prolonged and repeated exposure is possibly carcinogenic based on inhalation studies on rats.</p> <p>Long term exposure with co-exposure to loud noise may cause hearing loss.</p>

**Acute Toxicity (Lethal Exposure Concentrations)**

<b>Chemical Name</b>	<b>LD50 oral</b>	<b>LD50 dermal</b>	<b>LC50 inhalation</b>
xylene	4 350 mg/kg Rat	>1 700 mg/kg Rabbit	5 000 ppm 4 h Rat
ethylbenzene	3 500 mg/kg Rat	>5 000 mg/kg Rabbit	35 500 mg/m <sup>3</sup> 2h Mouse
methyl salicylate	887 mg/kg Rabbit	>5 000 mg/kg Rat <sup>a)</sup>	Not available

*Note:* Toxicity data from the RTECS<sup>2</sup> and ECHA databases were consulted. The data from supplier SDS were also consulted.

a) Source Sigma-Aldrich SDS version 4.2, Date: 02/20/2013

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**408A RUBBER RENUE™****Other Toxicological Effects**

<b>Skin corrosion/irritation</b>	Causes skin irritation based on Draize tests on animals.
<b>Serious eye damage/irritation</b>	Causes serious irritation. Studies on rabbits suggest that conjunctiva (redness) effect that is fully reversible in seven days.
<b>Sensitization</b> (allergic reactions)	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b> (risk of cancer)	<b>Ethylbenzene [100-41-4]</b> IARC Group 2B: Possibly carcinogenic to humans ACGIH A3: Confirmed animal carcinogen with unknown relevance to humans CA Prop 65: Listed as a carcinogen NTP: Not listed
<b>Mutagenicity</b> (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
<b>Reproductive Toxicity</b> (risk to sex functions)	Based on available data, the classification criteria are not met.
<b>Teratogenicity</b> (risk of fetus malformation)	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Xylene isomers can affect the central nervous system by inhalation causing drowsiness or dizziness. They are a respiratory system irritant.
<b>STOT-repeated exposure</b>	Prolonged or repeated over-exposure to p-xylene and ethylbenzene and noise can lead to hearing loss (cochlear impairment) according to rat inhalation studies.  Prolonged or repeated over-exposure to xylenes can damage the liver, kidneys, and central nervous system.
<b>Aspiration hazard</b>	The mixture is classified as Cat 1 aspiration hazards.

## 408A RUBBER RENUE™

### Section 12: Ecological Information

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<http://echa.europa.eu>), and other reliable sources.

The xylene isomers mixture is acutely toxic to the aquatic environment of category 2 with a minimal LC50 96 h of 2.5 mg/L for *Oncorhynchus mykiss* (rainbow trout).

Ethylbenzene is acutely toxic to the aquatic environment of category 2 with minimal LC50 96 h of 4.2 mg/L for *Oncorhynchus mykiss* (rainbow trout); EC50 48 h 2.9 mg/L *Daphnia magna* (water flea).

Insufficient data is available to classify the aquatic toxicity of methyl salicylate.

#### Acute Ecotoxicity

See chronic ecotoxicity.

#### Chronic Ecotoxicity

Category 3

Harmful to aquatic life with long lasting effects

Avoid release to the environment.

#### Biodegradability

Readily biodegradable. Product is volatile and only slightly soluble in water. In water and soil, it is biodegradable under both aerobic and anaerobic condition. Photooxidation in the atmosphere are typically in the range of 0.5 to 1.5 days.

#### Other Effects

Actual VOC (Volatile Organic Compounds) content according to the US (EPA) and Canadian (CEPA) authorities.

Actual VOC = 100% [908 g/L]

### Section 13: Disposal Information

Dispose of contents in accordance with all local, regional, national, and international regulations.

## 408A RUBBER RENUE™

### Section 14: Transport Information

#### Ground

**Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);  
**USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Sizes 5 L and under  
408A-125ML, 408A-250ML, 408A-1L  
**Limited Quantity**



#### Air

**Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 5 L and under  
408A-125ML, 408A-250ML, 408A-1L  
**Limited Quantity**  
Max Net Qty/Pkg  
=10 L



Sizes up to 60 L (passenger), 220 L (cargo)  
*FOR REFERENCE ONLY*

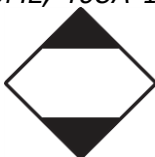
**UN number:** UN1307  
**Shipping Name:** XYLENES  
**Class:** 3  
**Packing Group:** III  
**Marine Pollutant:** No



#### Sea

**Refer to IMDG regulations.**

Sizes 5 L and under  
408A-125ML, 408A-250ML, 408A-1L  
**Limited Quantity**



Sizes greater than 5 L  
*FOR REFERENCE ONLY*  
**UN number:** UN1307  
**Shipping Name:** XYLENES  
**Class:** 3  
**Packing Group:** III  
**Marine Pollutant:** No



**Note: Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.**

**408A RUBBER RENUE™**
**Section 15: Regulatory Information**
**Canada**
**Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

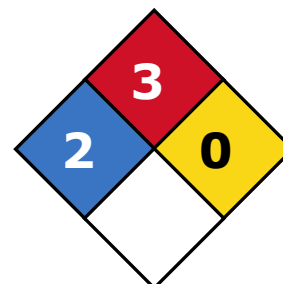
All hazardous ingredients are listed on the DSL.

**Hazardous Products Act (R.S.C., 1985, c. H-3)**

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

**USA**
**Other Classifications**
**HMIS® RATING**

<b>HEALTH:</b>	* 2
<b>FLAMMABILITY:</b>	3
<b>PHYSICAL HAZARD:</b>	0
<b>PERSONAL PROTECTION:</b>	

**NFPA® 704 CODES**


*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product contains ethylbenzene and xylene that are listed as hazardous air pollutants.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains ethylbenzene (CAS # 100-41-4; reportable quantity = 1 000 lb) and xylene (CAS# 1330-20-7, reportable quantity = 100 lb), which are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

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## 408A RUBBER RENUE™

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, USA).

This product contains ethylbenzene (CAS# 100-41-4), which is listed as a carcinogen.

### Europe

**RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

**WEEE** (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment, and is therefore not governed by this regulation.

### Section 16: Other Information

**Prepared by the** Regulatory Affairs Department

**Date of Review** 26 February 2020

**Supersedes** 28 June 2016

**Reason for Changes:** Update to the emergency contact information.

### Reference

1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).

2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

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**408A RUBBER RENUE™****Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
ECHA	European Chemicals Agency
EU	European Union
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
IARC	International Agency for Research on Cancer
NOELR	No observable effect loading ratio
NTP	National Toxicology Program
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

**Technical Queries** Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

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Phone: +1-905-331-1396

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**Disclaimer**

This safety data sheet is provided as an information resource only. *M.G. Chemicals, Ltd.* believes the information contained herein is accurate and compiled from reliable sources. It is the responsibility of the user to query and verify any information seeming suspect where doubt on the validity may exist. The buyer assumes all responsibility of using and handling the product in accordance with local, regional, national, and international regulations.