

SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Name: Total Ground[™] Carbon Conductive Coating

SDS Code: 838AR-Aerosol Related Part # 838AR-340G

Recommended Use and Restriction on Use

Use: Electrically conductive coating and EMI/RFI shield

Uses Advised Against: Not available

Details of Manufacturer or Importer

Manufacturer

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

7 +1-800-340-0772 +1-800-340-0773 FAX E-MAIL support@mqchemicals.com WEB www.mgchemicals.com

MG Chemicals (Head Office) 9347-193 Street

Surrey, British Columbia V4N 4E7 **CANADA**

+1-905-331-1396 +1-905-331-2682 FAX E-MAIL info@mqchemicals.com

E-MAIL (Competent Person): sds@mqchemicals.com

Emergency Phone Number

For hazardous material incidents ONLY—leaks, spills, fires, exposures or accidents

USA or CANADA: Call CHEMTREC **☎**: +1-800-424-9300

For emergencies involving dangerous goods; Collect 24/7

CANADA: Call CANUTEC : +1-613-996-6666 or *666 on cellular phones



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Section 2: Hazard(s) Identification

Classification of Hazardous Chemical

GHS Categories

Criteria	Category	Signal Word	Pictograms
Flammable Aerosol	2	Warning	Flame
Gas Under Pressure	Liquefied gas	Warning	Gas cylinder
Carcinogenicity	2	Warning	Health
Eye Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity Single Exposure	3	Warning	Exclamation

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

Signal Word	WARNING
Pictograms	Hazard Statements
	H223: Flammable aerosol
	H280: Contains gas under pressure; may explode if heated
	H351: Suspected of causing cancer by inhalation
	H319: Causes serious eye irritation H336: May cause drowsiness and dizziness



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Continued...

Prevention	Precautionary Statements
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P280	Wear protective gloves/eye protection.
P264	Wash hands thoroughly after handling.
Response	Precautionary Statements
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/attention.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
Storage	Precautionary Statements
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].
P403	Store in well-ventilated place.
P405	Store locked up.
Disposal	Precautionary Statements
P501	Dispose of contents/container in accordance to local/regional/internationaregulations.

SAI Global File #004008 Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Hazards Not Otherwise Classified

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
Defats skin	Repeated exposure may cause skin dryness or cracking.	None	None
Simple Asphyxiant	May displace oxygen and cause rapid suffocation.	Warning	None

Section 3: Composition/Information on Ingredients

CAS #	Chemical Name	%(weight)
67-64-1	acetone	30%
78-93-3	butan-2-one ^{a)}	29%
74-98-6	propane	13%
75-28-5	isobutane	7%
1333-86-4	carbon black	5%
67-63-0	propan-2-ol ^{b)}	4%
108-65-6	1-methoxy-2-propanol acetate	4%

- a) Commonly known as methyl ethyl ketone (MEK).
- b) Commonly known as isopropyl alcohol (IPA).

Section 4: First-Aid Measures

Exposure Condition	GHS Code/Symptoms/Precautionary Statements
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	redness, irritation, pain, blurred vision, possible corneal damage
Response	Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	If eye irritation persists: Get medical advice/attention.

Section continued on the next page

Page **4** of **16**Date: 24 April 2017 / Ver. 1.03



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Continued...

IF INHALED	P304 + P340, P312, P308 + P313
Immediate Symptoms	cough, drowsiness, dizziness, headaches, nausea, sore throat, unconsciousness
Response	Remove person to fresh air and keep comfortable for breathing.
	Call a POISON CENTER/doctor if you feel unwell.
	IF exposed or concerned: Get medical advice/attention.
IF SWALLOWED	P301 + P330 + P331, P308 + P313
Immediate Symptoms	sore throat, abdominal pain, diarrhea, nausea, vomiting, drowsiness, dizziness
Response	Rinse mouth. Do NOT induce vomiting.
	IF exposed or concerned: Get medical advice/attention.
IF ON SKIN	P302 + P352
Immediate Symptoms	dry skin
Response	Wash with plenty of water.

Extinguishing Media	Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
	Use water spray to cool containers.
Specific Hazards	Aerosols containers may erupt with force at temperatures above 50 $^{\circ}$ C [122 $^{\circ}$ F].
	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.
Combustion Products	Produces carbon oxides (CO, CO ₂).
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting



SAI Global File #004008 Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Section 6: Accidental Release Measures

Personal Protection See personal protection recommendations in Section 8.

Precautions for Response

Avoid breathing the mist/spray/vapors. Remove or keep away all

sources of extreme heat or open flames.

Environmental Precautions

Avoid releasing to the environment. Prevent spill from entering

drains and waterways.

Containment Methods Not applicable

Cleaning Methods 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.

Disposal Methods Dispose of spill waste according to Section 13.

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.

Avoid breathing mist/vapors/spray. Use only outdoors or in a

well-ventilated area.

Do not pierce or burn, even after use.

Handling Do not spray on an open flame or other ignition source.

Wear protective gloves/clothing/eye protection.

Wash hands thoroughly after handling.

Storage Protect from sunlight. Do not expose to temperatures exceeding

50 °C [122 °F].

Store in well-ventilated place.

Store locked up.

Page **6** of **16**



SAI Global File #004008 Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Section 8: Exposure Controls/Personal Protection

Substances with Occupational Exposure Limit Values

Chemical Name	Country/ Provinces	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
acetone	ACGIH	500 ppm	750 ppm
	U.S.A. OSHA PEL	1 000 ppm	Not established
	Canada AB	500 ppm	750 ppm
	Canada BC	250 ppm	500 ppm
	Canada ON	500 ppm	750 ppm
	Canada QC	750 ppm	1 000 ppm
butan-2-one	ACGIH	200 ppm	300 ppm
(methyl ethyl ketone)	U.S.A. OSHA PEL	200 ppm	Not established
	Canada AB	200 ppm	300 ppm
	Canada BC	50 ppm	100 ppm
	Canada ON	200 ppm	300 ppm
	Canada QC	150 ppm	300 ppm
propane	ACGIH	See footnote a)	Not established
	U.S.A. OSHA PEL	1 000 ppm	Not established
	Canada AB	1 000 ppm	Not established
	Canada BC	1 000 ppm	Not established
	Canada ON	1 000 ppm	Not established
	Canada QC	1 000 ppm	Not established
isobutane	ACGIH	Not established	Not established
	U.S.A. OSHA PEL	Not established	Not established
	Canada AB	Not established	Not established
	Canada BC	Not established	Not established
	Canada ON	1 000 ppm	Not established
	Canada QC	Not established	Not established
carbon black b)	ACGIH	3.5 mg/m ³	Not established
	U.S.A. OSHA PEL	3.5 mg/m ³	Not established
	Canada AB	3.5 mg/m ³	Not established
	Canada BC	3 mg/m ³	Not established
	Canada ON	3.5 mg/m ³	Not established
	Canada QC	3.5 mg/m ³	Not established
propan-2-ol	ACGIH	200 ppm (TWA)	400 ppm
	U.S.A. OSHA PEL	400 ppm	Not established
	Canada AB	200 ppm	400 ppm
	Canada BC	200 ppm	400 ppm
	Canada ON	200 ppm	400 ppm
	Canada QC	400 ppm	500 ppm

Section continued on the next page



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Continued...

Chemical Name	Country/ Provinces	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
1-methoxy-2-propanol acetate	ACGIH U.S.A. OSHA PEL Canada AB Canada BC	Not established 50 ppm Not established 50 ppm	Not established Not established Not established 75 ppm
	Canada ON Canada QC	50 ppm Not established	Not established Not established

Note: Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH¹, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from by RTECS database² 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.

- a) Refer to the ACGIH Appendix F: Mininum Oxygen Content for Asphyxia TLV Basis
- b) Respirable airborne particles

Engineering Controls

Ventilation Keep airborne concentrations below the occupational exposure

limits (OEL).

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 of protective butyl rubber or other

chemically resistant gloves.

Respiratory Protection For over-exposures up to 10 x OEL of mist/vapors/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.

Section continued on the next page

Page **8** of **16**

SAI Global File #004008 Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

Section 9: Physical and Chemical Properties

Physical State	Liquid, in an aerosol format	Lower Flammability Limit ^{b)}	2%
Appearance	Black	Upper Flammability Limit ^{b)}	13%
Odor	Ketone-like	Vapor Pressure @20°C	8.3 kPa [62 mmHg]
Odor Threshold ^{a)}	5 ppm	Vapor Density	≥2 (Air =1)
pH	Not available	Specific Gravity @25 °C	0.84
Freezing/Melting	Not	Solubility in	Partially miscible
Point	available	Water	
Boiling Point a)	≥56 °C	Partition	Not
	[≥132 °F]	Coefficient	available
Flash Point a)	-17 °C	Auto-ignition	≥315 °C
	[1.4 °F]	Temperature ^{c)}	[≥599 °F]
Evaporation	Fast	Decomposition	Not
Rate		Temperature	available
Flammability	Not	Viscosity	46 cP
(solid, gas)	available	@25 °C	

a) The values for the boiling point and closed cup flash point are based on the acetone component.

b) Lower and Upper Explosive Limits of mixture calculated using Le Chatelier principle and liquid component LFL and UFL limits

c) The auto-ignition value is based on 1-methoxy-2-propanol acetate, which is the component with the lowest value.



SAI Global File #004008 Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Section 10: Stability and Reactivity

Reactivity Not available

Chemical Stability Chemically stable at normal temperatures and pressures

Conditions to Temperatures above 50 °C [122 °F], open flames, and incompatible

Avoid substances

Incompatibilities Oxidizing agents, strong acids, peroxides, alkali or alkali earth metals

Polymerization Will not occur

Decomposition Will not decompose under normal conditions. For thermal

decomposition, see combustion products in Section 5.

Section 11: Toxicological Information

Routes of Exposure

Eye contact, Ingestion, Inhalation, and Skin contact

Symptoms Summary

Eyes May cause redness, irritation, and pain.

Inhalation May cause cough, drowsiness, dizziness, headaches, nausea, or

unconsciousness.

Ingestion May cause nausea, sore throat, abdominal pain, and diarrhea (also see

inhalation symptoms).

Skin May cause dry skin.

Chronic Prolonged or repeated exposure may cause skin dryness, cracking, as well

as defatting the skin.

Section continued on the next page



SAI Global File #004008 Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50	LD50	LC50	
	oral	dermal	inhalation	
acetone	5 800 mg/kg	20 mL/kg	16 000 ppm	
	Rat	Rabbit ^{a)}	4 h Rat ^{a)}	
butan-2-one	2 737 mg/kg	6 480 mg/kg	23 500 mg/m³	
	Rat	Rabbit	8 h Rat	
propane	Not	Not	>800 000 ppm	
	Applicable	Applicable	Rat 4 h	
isobutane	Not	Not	>570 000 ppm	
	applicable	applicable	Rat 4 h	
carbon black	>15 g/kg	>3 g/kg	Not	
	Rat	Rabbit	established	
propan-2-ol	3 600 mg/kg	12 800 mg/kg	16 000 ppm	
	Rat	Rabbit	8 h Rat	
1-methoxy-2-propanol acetate	8 532 mg/kg	>5 g/kg	Not	
	Rat	Rabbit	available	

Note: Toxicity data from the RTECS² and ECHA databases were consulted. Data from supplier (M)SDS were also consulted.

a) Supplier safety data sheet

Other Toxicological Effects

Based on available data, the classification criteria are not met.	
Acetone, butan-2-one, and propan-2-ol are known serious eye irritants.	
Based on available data, the classification criteria are not met.	
The carbon black [1333-86-4] is possibly carcinogenic by airborne routes of exposures under WHMIS.	
Carbon Black [1333-86-4]	
IARC Group 2B: Possibly carcinogenic to humans	
ACGIH A4: Not classified as a human carcinogen	
CA Prop 65: Listed as a carcinogen (airborne, as unbound particles of respirable size)	

Section continued on the next page

NTP: Not listed

Page **11** of **16** Date: 24 April 2017 / Ver. 1.03



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Mutagenicity Based on available data, the classification criteria are not

(risk of heritable genetic effects) met.

Reproductive Toxicity Based on available data, the classification criteria are not

met. (risk to sex functions)

Teratogenicity Based on available data, the classification criteria are not

(risk of fetus malformation)

STOT-single exposure Inhalation of acetone, butan-2-one, and propan-2-ol may

affect the central nervous system.

STOT-repeated exposure Based on available data, the classification criteria are not

Based on available data, the classification criteria are not Aspiration hazard

met. There is less than 10% category 1 components.

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.

Acetone, butan-2-one, carbon black, propan-2-ol, and 1-methoxy-2-propanol acetate are not classifiable as an environmental toxicant (with minimal LC50 of >100 mg/L).

- Acetone has a minimal LC50 96 h of 5 540 mg/L for Oncorhynchus mykiss (rainbow trout) and an EC50 48 h of 13 500 mg/L for Daphnia magna (water flea).
- Butan-2-one has minimal LC50 of 3 130 mg/L 96 h for Pimephales promelas (fathead minnow); EC50 24 h 5 102 mg/L 24 h Daphnia magna (water flea).
- Propan-2-ol has a minimal LC50 96 h of 9 640 mg/L for Pimephales promelas (fathead minnow); EC50 24 h of 5 102 mg/L for Daphnia magna (water flea); EC50 24 h of >2 000 mg/L Desmodesmus subspicatus (green algae).
- The 1-methoxy-2-propanol component has a minimal LC50 96 h of ≥100 mg/L Salmo gairdneri and an EC50 48 h of >500 mg/L for Daphnia magna (water flea).

Acute Ecotoxicity

Not regulated

Chronic Ecotoxicity

Not regulated



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Biodegradability

Solvent part expected to be biodegradable, but not the polymer. The volatile solvent constituents will oxidize rapidly in air by photochemical reaction.

Other Effects

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

Actual VOC = 58% [483 g/L]

Section 13: Disposal Information

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

Section 14: Transport Information

Ground

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

Limited Quantity



UN number: UN1950

Shipping Name: AEROSOL,

flammable **Class:** 2.1

Packing Group: Not applicable

Marine Pollutant: No Flash Point -17 °C [1.4 °F]



Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Limited Quantity



UN number: UN1950 Shipping Name: AEROSOL,

flammable **Class:** 2.1

Packing Group: Not applicable

Marine Pollutant: No Flash Point -17 °C [1.4 °F]





SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Sea

Refer to IMDG regulations.

Limited Quantity



UN number: UN1950 Shipping Name: AEROSOL,

flammable **Class:** 2.1

Packing Group: Not applicable

Marine Pollutant: No Flash Point -17 °C [1.4 °F]



Note: Shipper must be appropriately <u>trained and certified</u> before involvement with the transport of dangerous goods.

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

HEALTH:	*	2
FLAMMABILITY:		3
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA® 704 CODES



Approximate HMIS and NFPA Risk Ratings Legend:

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

Section continued on the next page

Page **14** of **16** Date: 24 April 2017 / Ver. 1.03



SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

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 does not contain products that are listed as hazardous air pollutants.

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

This product contains up to 18% propan-2-ol (CAS # 67-63-0) which is subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

This product contains acetone (CAS# 67-64-1) and butan-2-one (CAS# 78-93-3), which are subject to the CERCLA reporting requirements at the 5000 lb (2268 kg) threshold.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

California Proposition 65 (Chemicals known to cause cancer or reproductive toxicity, June 06, 2014 revision, USA).

This product contains carbon black, which is listed as a carcinogenic substance when airborne, as unbound particles of respirable size.

Europe

RoHS (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, 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

SDS Prepared by Michel Hachey

Date of Review 24 April 2017

Supersedes 17 August 2016

Reason for Changes: Changes section 14.

N Chemicals

Quality System Certified to ISO 9001:2008

SAI Global File #004008

Burlington, Ontario, Canada

TOTAL GROUNDTM CARBON CONDUCTIVE COATING 838AR-AEROSOL

Reference

- 1) ACGIH 2013 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 (2013).
- 2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®)

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.

Email: support@mgchemicals.com

Mailing Addresses Manufacturing & Support Head Office

1210 Corporate Drive 9347–193rd Street

Burlington, Ontario, Canada Surrey, British Columbia, Canada

L7L 5R6 V4N 4E7

Disclaimer This material 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.