

SUPER CORONA DOPE

4226-LIQUID

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Name:** Super Corona Dope

**SDS Code:** 4226-Liquid

**Related Part #** 4226-55ML, 4226-1L, 4226-4L

### Recommended Use and Restriction on Use

**Use:** High voltage protective coating for electronic and electrical devices

**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  
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**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 CHEMTREC at **+1-800-424-9300**




**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

**SUPER CORONA DOPE**
**4226-LIQUID**
**Section 2: Hazard(s) Identification**
**Classification of Hazardous Chemical**
**GHS Categories**

Criteria	Category	Signal Word	Pictograms
Carcinogenicity	2	Warning	Health
Reproductive Toxicity	2	Warning	Health
Specific target organ toxicity Repeated exposure	2	Warning	Health
Skin Irritation	2	Warning	Exclamation
Specific target organ toxicity Single exposure	3	Warning	Exclamation
Flammable liquid	3	Warning	Flame
Hazardous to the Aquatic Environment Chronic	3	<i>none</i>	<i>none</i>

*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity). Severity categories do not allow comparisons between classes.

**Label Elements**

<b>Signal Word</b>	<b>WARNING</b>
<b>Pictograms</b>	<b>Hazard Statements</b>
	H351: Suspected of causing cancer H361: Suspected of damaging fertility or the unborn child H373: May cause damage to inner ear through prolonged or repeated exposure by inhalation
	H315: Causes skin irritation H335: May cause respiratory irritation H336: May cause dizziness or drowsiness
	H226: Flammable liquid and vapor

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<b>Pictograms</b>	<b>Hazard Statements</b>
<i>no symbol mandated</i>	H412: Harmful to aquatic life with long lasting effects
<b>Prevention</b>	<b>Precautionary Statements</b>
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/hot surfaces. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof equipment.
P243	Take action to prevent static discharges.
P260, P271	Do not breathe mist/spray/vapors. Use only outdoors or in well-ventilated area.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face 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/attention.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
P303 + P361 + P364 + P352	IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water/shower.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P314	Get medical advice/attention if you feel unwell.
<b>Storage</b>	<b>Precautionary Statements</b>
P403 + P235	Store in well-ventilated place. Keep cool.
P405	Store locked up.

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Disposal	Precautionary Statements
P501	Dispose of contents/container in accordance to local/regional/international regulations.

**Hazards Not Otherwise Classified**

Other Criteria	Hazard Statements/Precautionary Statement	Signal Word	Pictograms
None	None	None	None

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

CAS #	Chemical Name	% (weight)
1330-20-7	xylene (mixed isomers)	50%
100-41-4	ethylbenzene	13%
108-88-3	toluene	0.7%
98-82-8	cumene	0.1%

**Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statement</i>
<b>IF INHALED</b>	P304 + P340 + P312, P308 + P313
<b>Immediate Symptoms</b>	<i>irritation, headache, drowsiness, dizziness, cough, nausea</i>
<b>Response</b>	Remove person to fresh air and keep comfortable for breathing. If feeling unwell: Call a POISON CENTRE/doctor If exposed or concerned: Get medical advice/attention
<b>IF ON SKIN (or hair)</b>	P303 + P361 + P364 + P352, P332 + P313
<b>Immediate Symptoms</b>	<i>irritation, dry skin, redness</i>
<b>Response</b>	Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water/shower. If skin irritation occurs: Get medical advice/attention

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<b>IF SWALLOWED</b>	P301 + P330 + P331, P314, P308 + P313
<b>Immediate Symptoms</b>	<i>irritation, burning sensation, abdominal pain, dizziness, drowsiness, nausea</i>
<b>Response</b>	Do NOT induce vomiting. Rinse mouth. Get medical attention if you feel unwell. If exposed or concerned: Get medical advice/attention
<b>IF IN EYES</b>	P305 + P351 + P338, P337 + P313
<b>Immediate Symptoms</b>	<i>mild eye irritation, redness, pain</i>
<b>Response</b>	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice

**Section 5: Fire-Fighting Measures**

<b>Extinguishing Media</b>	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.
<b>Combustion Products</b>	Produces carbon oxides (CO, CO <sub>2</sub> ), nitrogen oxides (NO <sub>x</sub> ), and formaldehyde.
<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>	Do not breathe mist/vapors. Remove or keep away all sources of extreme heat or open flames.
<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).

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<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>Disposal Methods</b>	Dispose of spill waste according to Section 13.

**Section 7: Handling and Storage**

<b>Prevention</b>	<p>Keep out of reach of children.</p> <p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.</p> <p>Do not breathe mist/spray/vapors. Use only outdoors or in a well-ventilated area.</p> <p>Keep container tightly closed.</p> <p>Keep away from heat/sparks/open flames/hot surfaces. No smoking.</p> <p>Ground and bond container and receiving equipment. Use explosion-proof equipment. Take precautionary measures against static discharge.</p> <p>Avoid release to the environment.</p>
<b>Handling</b>	<p>Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>Wash hands thoroughly after handling.</p> <p>Take off contaminated clothing and wash it before reuse.</p>
<b>Storage</b>	<p>Store in a well-ventilated area. Keep cool.</p> <p>Store locked up.</p>

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**Section 8: Exposure Controls/Personal Protection**
**Substances with Occupational Exposure Limit Values**

Chemical Name	Country	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
xylene	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	150 ppm	200 ppm
	Canada BC	20 ppm	Not established
	Canada ON	100 ppm	125 ppm
	Canada QC	100 ppm	125 ppm
toluene	ACGIH	20 ppm	Not established
	U.S.A. OSHA PEL	200 ppm	300 ppm
	Canada AB	50 ppm	Not established
	Canada BC	20 ppm	Not established
	Canada ON	20 ppm	Not established
	Canada QC	100 ppm	150 ppm
cumene	ACGIH	50 ppm	Not established
	U.S.A. OSHA PEL	50 ppm	Not established
	Canada AB	50 ppm	Not established
	Canada BC	75 ppm	Not established
	Canada ON	50 ppm	Not established
	Canada QC	50 ppm	Not established

*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 the RTECS database<sup>2</sup> and 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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**SUPER CORONA DOPE****4226-LIQUID****Personal Protective Equipment**

<b>Eye protection</b>	Wear appropriate protective eyeglasses or chemical safety goggles.  <b>RECOMMENDATION:</b> Use safety glasses with lateral protection (side shields).
<b>Skin Protection</b>	For likely contacts, use of protective butyl rubber or other chemically resistant gloves.
<b>Respiratory Protection</b>	For over-exposures up to 10 x OEL of mist/vapors/spray, wear respirator such as a half-mask respirator with organic vapor cartridges and particulate filter.  Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.  <b>RECOMMENDATION:</b> 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.



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**Section 9: Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Lower Flammability Limit <sup>c)</sup></b>	1%
<b>Appearance</b>	Clear	<b>Upper Flammability Limit <sup>c)</sup></b>	7%
<b>Odor</b>	Aromatic solvent, strong sweetish	<b>Vapor Pressure <sup>c)</sup> @20 °C</b>	1.2 kPa [8.8 mmHg]
<b>Odor Threshold</b>	2 ppm	<b>Vapor Density</b>	≥3.7 (Air =1)
<b>pH</b>	Not available	<b>Specific Gravity @25 °C</b>	0.93
<b>Freezing/Melting Point</b>	Not available	<b>Solubility in Water</b>	Insoluble
<b>Boiling Point <sup>a)</sup></b>	≥111 °C [≥231 °F]	<b>Partition Coefficient</b>	Not established
<b>Flash Point <sup>b)</sup></b>	27 °C [81 °F]	<b>Auto-ignition Temperature</b>	Not available
<b>Evaporation Rate</b>	~0.8 (ButAc = 1)	<b>Decomposition Temperature</b>	Not available
<b>Flammability (solid, gas)</b>	Not applicable	<b>Viscosity @40 °C</b>	>20.5 mm <sup>2</sup> /s

a) Based on toluene component, which has the lowest boiling point

b) Pensky-Martens closed cup value

c) Lower and Upper Explosive Limits and vapor pressure of mixture calculated using Le Chatelier principle and component LFL and UFL limits

**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>	Ignition sources, open flames, excessive heat, and incompatible substances
<b>Incompatibilities</b>	Strong oxidizing agents, strong bases, strong acids
<b>Polymerization</b>	Will not occur
<b>Decomposition</b>	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5.

**SUPER CORONA DOPE**
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**Section 11: Toxicological Information**
**Summary of Effects and Symptoms by Routes of Exposure**

<b>Eyes</b>	Causes mild eye irritation, redness, or pain.
<b>Skin</b>	Causes moderate skin irritation, dry skin, and redness.
<b>Inhalation</b>	May cause dizziness, drowsiness, headache, nausea. May cause irritation of nose and throat.
<b>Ingestion</b>	May cause burning sensation and abdominal pain. (See also inhalation symptoms.)
<b>Chronic</b>	<p>Long term exposure to loud noises and product vapors may lead to some hearing loss.</p> <p>Prolonged and repeated exposure is possibly carcinogenic based on inhalation studies on rats.</p> <p>Chronic inhalation or ingestion of large doses may cause central nervous system depression.</p> <p>Prolonged or repeated over-exposure to the xylene and ethylbenzene component may lead to kidney damage (nephropathy).</p>

**Acute Toxicity (Lethal Exposure Concentrations)**

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
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> 2 h Mouse
toluene	636 mg/kg Rat	12 124 mg/kg Rabbit	49 g/m <sup>3</sup> 4 h Rat
cumene	1 400 mg/kg Rat	10 627 mg/kg Rabbit	10 g/m <sup>3</sup> 7 h Mouse

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

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**SUPER CORONA DOPE****4226-LIQUID****Other Toxicological Effects**

<b>Skin corrosion/irritation</b>	Causes skin irritation based on Draize tests on animals.
<b>Serious eye damage/irritation</b>	Causes severe eye irritation based on Draize tests on animals.
<b>Sensitization</b> (allergic reactions)	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b> (risk of cancer)	<b>Ethylbenzene [CAS# 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>Cumene [CAS# 98-82-8]</b> IARC Group 2B: Possibly carcinogenic to humans ACGIH A3: Not listed CA Prop 65: Listed as a carcinogen NTP: Animal studies through inhalation show evidence of carcinogenic effects.
<b>Mutagenicity</b> (risk of heritable genetic effects)	At high doses, spermatogenesis was observed in male rat by inhalation of toluene.
<b>Reproductive Toxicity</b> (risk to sex functions)	Fetotoxicity is observed in animal studies for inhalation and oral exposures for toluene. Extreme consumption of ethanol also presents risks for the newborn.
<b>Teratogenicity</b> (risk of fetus malformation)	Based on available data, the classification criteria are not met.
<b>STOT-single exposure</b>	Xylene and toluene can affect the central nervous system by inhalation causing drowsiness or dizziness.
<b>STOT-repeated exposure</b>	Toluene and xylenes are ototoxic chemicals according to rat studies: inhalation exposure in the presence of noise may lead to cochlear impairment.  At high levels of exposures, ethylbenzene causes damage of the liver.
<b>Aspiration hazard</b>	Aspiration hazard criteria are not met. The mixture has a kinematic viscosity of >20.5 mm <sup>2</sup> /s at 40 °C.

**SUPER CORONA DOPE****4226-LIQUID****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.

Xylene isomers mixture are expected to be acute category 2 environmental toxicant with minimal LC50 of 2.5 mg/L for fish.

Ethylbenzene is an acute category 2 environmental toxicant with minimal LC50 of 4.2 mg/L for *Oncorhynchus mykiss* (rainbow trout); 2.9 mg/L 48 h *Daphnia magna* (water flea).

Toluene is an acute category 2 environmental toxicant with minimal LC50 of 7.63 mg/L for *Oncorhynchus mykiss* (rainbow trout); 8.9 mg/L 24 h *Daphnia magna* (water flea); 10 mg/L 24 h *Pseudokirchneriella subcapitata* (green algae).

Cumene is hazardous to the aquatic environment with a chronic category 2 classification.

The material will float in water and evaporate in the atmosphere making it an unlikely to cause ground or water pollution.

**Acute Ecotoxicity**

Category 2

Toxic to aquatic life

**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**

VOC (Regulated Volatile Organic Content) = 100% [929 g/L]

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**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 DOT 49 CFR (Parts 100 to 185) Regulations.

Sizes 5 L and under

Limited Quantity



Sizes greater than 5 L

UN number: UN1263  
Shipping Name: PAINT  
Class: 3  
Packing Group: II  
Marine Pollutant: No



**Air**

Refer to ICAO-IATA Dangerous Goods Regulations.

Size 0.5 L and under

Limited Quantity  
Max Net Qty/Pkg =  
1 L



Sizes up to 60 L (passenger), 120 L (cargo)

UN number: UN1263  
Shipping Name: PAINT  
Class: 3  
Packing Group: II  
Marine Pollutant: No



**Sea**

Refer to IMDG Regulations.

Sizes 5 L and under

Limited Quantity



Sizes greater than 5 L

UN number: UN1263  
Shipping Name: PAINT  
Class: 3  
Packing Group: II  
Marine Pollutant: No



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

**SUPER CORONA DOPE**

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**Section 15: Regulatory Information**

**Canada**

**Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

All hazardous ingredients are listed on the DSL/NDSL.

**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.

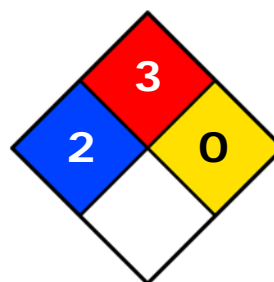
**USA**

**Other Classifications**

**HMIS® RATING**

<b>HEALTH:</b>	*	<b>2</b>
<b>FLAMMABILITY:</b>		<b>3</b>
<b>PHYSICAL HAZARD:</b>		<b>0</b>
<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, xylene, toluene, cumene that are listed as hazardous air pollutants.

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

This product contains toluene (CAS# 108-88-3; reportable quantity = 1 000 lb), cumene (CAS# 98-28-8; reportable quantity = 5 000 lb), 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.

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**SUPER CORONA DOPE****4226-LIQUID****TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

**California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity, Sept 2, 2011 revision, USA).

This product contains ethylbenzene (CAS # 100-41-4), and cumene (CAS# 98-28-8), which is listed as carcinogen in California.

This product contains toluene (CAS# 100-41-4), which is listed as reproductive toxic in California.

**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**

<b>SDS Prepared by</b>	Michel Hachey
<b>Date of Revision</b>	27 July 2017
<b>Supersedes</b>	30 July 2014
<b>Reason for Changes</b>	Change to classification and updated format to be Hazcom2012 and WHMIS 2015 compliant.

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**SUPER CORONA DOPE****4226-LIQUID****Reference**

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

**Abbreviations**

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
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).

Email: [support@mgchemicals.com](mailto:support@mgchemicals.com)

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