

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

ManufacturerMG Chemicals
1210 Corporate Drive
Burlington, Ontario L7L 5R6
CANADAMG Chemicals (Head Office)
9347-193 Street
Surrey, British Columbia V4N 4E7
CANADA**☎** +1-800-340-0772**☎** +1-905-331-1396**FAX** +1-800-340-0773**FAX** +1-905-331-2682**E-MAIL** support@mgchemicals.com**E-MAIL** info@mgchemicals.com**WEB** www.mgchemicals.com**E-MAIL** (Competent Person): sds@mgchemicals.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 24/7CANADA: Call CANUTEC ☎: **+1-613-996-6666** or ***666** on cellular phones

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Section 2: Hazard(s) Identification

Classification of Hazardous Chemical

GHS Categories

Criteria	Category	Signal Word	Pictograms
Carcinogenicity	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
Environmental Hazard Acute Aqua. Tox.	2	—	<i>No Symbol mandated</i>

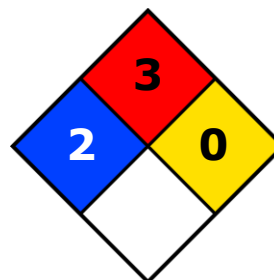
Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity). Severity categories do not allow comparisons between classes.

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)

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Label Elements

Signal Word	WARNING
Pictograms	Hazard Statements
	H373: May cause damage to inner ear through prolonged or repeated exposure by inhalation H351: Suspected of causing cancer
	H315: Cause skin irritation H335: May cause respiratory irritation H336: May cause dizziness or drowsiness
	H226: Flammable liquid and vapor
No Symbol Mandated	H401: Toxic to aquatic life
Prevention	Precautionary Statements
P201 + P202	Obtain special instructions before use. 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.
P260 + P271	Do not breathe vapors/fumes. Use only outdoors or in well-ventilated area.
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/eye protection.
P273	Avoid release to the environment.
P242 + P241 + P243	Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

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Prevention	Precautionary Statements
P240	Ground and bond container and receiving equipment.
Response	Precautionary Statements
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
P308 + P313	IF exposed or concerned: Get medical advice/attention.
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 or persists: Get medical advice/attention.
P301 + P331	IF SWALLOWED: Do NOT induce vomiting.
P314	Get medical attention if you feel unwell.
P308 + P313	If exposed or concerned: Get medical advice/attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Precautionary Statements
P403 + P235	Store in well ventilated place. Keep cool.
P405	Store locked up.
Disposal	Precautionary Statements
P501	Dispose of contents/container in accordance to local/regional/international regulations.

Other Hazards

Repeated exposure may cause skin dryness or cracking

Section 3: Hazardous Ingredients

CAS #	Chemical Name	Wt%
1330-20-7	xylene (mixture)	30-50%
100-41-4	ethylbenzene	10-13%
108-88-3	toluene	0.1-1%
98-82-8	cumene	0.1-0.2%

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Section 4: First-Aid Measures

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statement</i>
IF INHALED	P304 + P340 + P312, P314, P308 + P313
Immediate Symptoms	<i>irritation, headache, drowsiness, dizziness, cough, nausea</i>
Response	Remove person to fresh air (out of the contaminated zone) and keep comfortable for breathing. If feeling unwell: Call a POISON CENTRE/doctor If exposed or concerned: Get medical advice/attention
IF ON SKIN (or hair)	P303 + P361 + P364, P332 + P313
Immediate Symptoms	<i>irritation, dry skin, redness</i>
Response	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention
IF SWALLOWED	P301 + P330 + P331, P314, P308 + P313
Immediate Symptoms	<i>irritation, burning sensation, abdominal pain, dizziness, drowsiness, nausea</i>
Response	Do NOT induce vomiting. Rinse mouth. Get medical attention if you feel unwell. If exposed or concerned: Get medical advice/attention
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	<i>mild eye irritation, redness, pain</i>
Response	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice

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Section 5: Fire-Fighting Measures

Auto-ignition Temperature	Not available	Flash Point ^{a)}	24 °C [81 °F]	LFL [LEL] ^{b)}	1%
				UFL [UEL]	7%

In case of fire P370 + P378

Extinguishing Media Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish. Use water spray to cool containers.

Specific Hazards Vapors may accumulate in low-lying areas. Flashback along vapor trail may occur. Material may float and ignite on surface of water.

Combustion Products Produces carbon oxides (CO, CO₂), nitrogen oxides (NO_x), and formaldehyde.

Fire-Fighter Wear self-contained breathing apparatus for fire fighting

a) Based Pensky-Martens closed cup

b) Calculated based on Raoult's Law and using Le Chatelier principle

LFL = Lower Flammability [or Explosion] Limit (in volume %);

UFL = Upper Flammability [or Explosion] Limit (in volume %)

Section 6: Accidental Release Measures

Personal Protection See Section 8. Avoid breathing the mist/vapors.

Containment Remove all sources of ignition.

Contain with inert absorbent (such as soil, sand, vermiculite).

Cleaning Collect liquid in a sealable, solvent-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Wipe up further residue with paper towel and place dirty towels in container. Wash spill area with soap and water to remove the last traces of residue.

RECOMMENDATION: Use a grounded stainless steel or carbon steel container.

Disposal Dispose of spill waste according to Section 13.

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

Do not breathe vapors/fumes. Use only outdoors or in a well-ventilated area.

Keep container tightly closed.

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Use only non-sparking tools. Use explosion-proof electrical/ventilating/lighting equipment. Take precautionary measures against static discharge.

Ground and bond container and receiving equipment.

Do not eat, drink, or smoke when using this product.

Handling

Wear protective gloves/eye protection.

Wash hands thoroughly after handling.

Storage

Keep container tightly closed. Store in a well-ventilated area. Keep cool.

Store locked up.

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Section 8: Exposure Controls/Personal Protection

Routes of Entry

Eyes, ingestion, inhalation, and skin

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	20 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	100 ppm	150 ppm
	Canada AB	50 ppm	Not established
	Canada BC	20 ppm	Not established
	Canada ON	50 ppm	Not established
	Canada QC	100 ppm	150
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	
	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 ACGIH¹, OSHA, and Canadian provinces exposure limits were consulted. Limits from by RTECS database² of the Canadian Centre for Occupational Health and Safety (CCOHS) a 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 exposure limits.

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SUPER CORONA DOPE**4226-LIQUID****Personal Protective Equipment****Eye protection**

Wear appropriate protective eyeglasses or chemical safety goggles.

RECOMMENDATION: Use safety glasses with lateral protection (side shields).

Skin Protection

Use of protective gloves chemically resistant gloves.

For incidental exposure, you may use nitrile gloves.

For prolonged exposure, use protective gloves in polyvinyl alcohol (PVA), viton or other chemically resistant gloves.

Respiratory Protection

If exposed to vapors above the exposure limit or mist, wear respirator such as a half-mask respirator.

RECOMMENDATION: Consult your local safety supply store to ensure your respirator has filter cartridges appropriate for the ingredients listed in section 3 of this SDS, and that the respirator is 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

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

SUPER CORONA DOPE**4226-LIQUID****Section 10: Stability and Reactivity**

Reactivity	Explosive reaction may occur with 1,3-dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydration).
Chemical Stability	Chemically stable at normal temperatures and pressures.
Possible Hazardous reactions	No hazardous polymerization
Conditions to Avoid	Ignition sources, excessive heat, and incompatible substances. Vapors may form explosive mixture with air.
Incompatibilities	Strong oxidizing agents, strong bases, strong acids
Decomposition	Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5

Section 11: Toxicological Information**Routes of Exposure**

Eyes, ingestion, inhalation, and skin

Symptoms Summary

Eyes	Causes mild eye irritation and redness.
Skin	Causes moderate skin irritation, dry skin, and redness.
Inhalation	May cause dizziness, drowsiness, headache, nausea. May cause irritation of nose and throat.
Ingestion	May cause burning sensation and abdominal pain. (See also inhalation symptoms.)
Chronic	<p>Prolonged or repeated exposure may cause skin dryness and cracking, defat skin, and local redness and discomfort.</p> <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>

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Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation	TCLo inhalation
xylene	4 350 mg/kg Rat	>1 700 mg/kg Rabbit	5 000 ppm 4 h Rat	200 ppm Human
ethylbenzene	3 500 mg/kg Rat	>5 000 mg/kg Rabbit	35 500 mg/m ³ 2h Mouse	100 ppm 8h Human

Note: Representative toxicity data from by RTECS database of the Canadian Centre for Occupational Health and Safety (CCOHS)¹ data from supplier (M)SDS were also consulted.

Skin corrosion/irritation	Causes skin irritation based on Draize tests on animals. Prolonged or repeated skin contact may cause dermatitis
Serious eye damage/irritation	Causes severe eye irritation based on Draize tests on animals.
Sensitization (allergic reactions)	No data available
Carcinogenicity (risk of cancer)	Ethylbenzene [100-414-4] 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
Mutagenicity (risk of heritable genetic effects)	No data available
Reproductive Toxicity (risk to sex functions)	No data available
Teratogenicity (risk of fetus malformation)	No data available
STOT-single exposure	Xylenes can affect the central nervous system by inhalation causing drowsiness or dizziness, and they are a respiratory system irritant.
STOT-repeated exposure	Prolonged or repeated over-exposure to p-xylene and ethylbenzene and noise can lead to hearing loss (cochlear impairment) according to rat inhalation studies. At high levels of exposures, ethylbenzene causes damage of the liver.
Aspiration hazard	Aspiration hazard criteria are not met: The mixture has a kinematic viscosity of >20.5 mm ² /s at 40 °C.

SUPER CORONA DOPE**4226-LIQUID****Section 12: Ecological Information**

The ecotoxicity of the mixture was estimated by the calculation method using the summation of classified ingredients. The IMDG Code criteria and the raw-material (M)SDS along with supporting data for the classification of registered substances from the European Chemical Agency database (<http://echa.europa.eu>) were used.

Xylene isomers are an acute category 2 environmental toxicant (with minimal LC50 of 2.5 mg/L for fish; EC50 1 mg/L 48 h Daphnia magna (water flea)).

Ethylbenzene is an acute category 2 environmental toxicant (with minimal LC50 of 4.2 mg/L for Oncorhynchus mykiss (rainbow trout); EC50 2.9 mg/L 48 h Daphnia magna (water flea)).

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

Acute Ecotoxicity

Category 3

GHS Code: Hazard Statement

H401: Toxic to aquatic life

P273: Avoid release to the environment

P391: Collect spillage

Chronic Ecotoxicity

Category 3

H412: Harmful to aquatic life with long lasting effects.

Biodegradability

Biodegrades in soil and groundwater through aerobic and anaerobic denitrification conditions.

Other Effects

VOC (Regulated Volatile Organic Content) = 65% [604 g/L]

Section 13: Disposal Information

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

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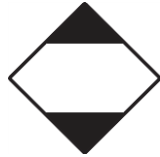
Section 14: Transport Information

Ground

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

Sizes 5 liter and under

Limited Quantity



Sizes greater than 5 liter

UN number: UN1263

Shipping Name: PAINT

Class: 3

Packing Group: III

Marine Pollutant: No

Flash Point = 24°C [81 °F]



Air

Refer to ICAO-IATA Dangerous Goods Regulations.

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

UN number: UN1263

Shipping Name: PAINT

Class: 3

Packing Group: III

Marine Pollutant: No

Flash Point = 24°C [81 °F]



Sea

Refer to IMDG Regulations.

Sizes 5 liter and under

Limited Quantity



Sizes greater than 5 liter

UN number: UN1263

Shipping Name: PAINT

Class: 3

Packing Group: III

Marine Pollutant: No

Flash Point = 24°C [81 °F]



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

Section 15: Regulatory Information**Canada****WHMIS Classification**

B2 – Flammable Liquid; D2A – Very Toxic Material (Possible carcinogen IARC: 2B);
D2B – Toxic Material (Skin/eye irritation)

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

All hazardous ingredients are listed on the DSL/NDSL.

Industry and Science Canada

MG Labels products intended for the workplace to conform to WHMIS labeling regulations. Product identification, net quantity declaration, minimum printing type size heights, and packaging of this product are in compliance.

Health Canada

Products produced by MG Chemicals intended for retail display conform to the Canadian Consumer Labeling Regulations.

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

All substances are TSCA listed.

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 cumene (CAS # 98-28-8; reportable quantity = 5000 lb) ethylbenzene (CAS # 100-41-4; reportable quantity = 1000 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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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 are listed as a carcinogen.

This product contains toluene (CAS # 100-41-4), which is listed as a reproductive toxicant.

Europe**RoHS**

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

WEEE

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 Revision	30 July 2014
Supersedes	01 July 2014
Reason for Changes	Change to shipping name in Section 14.

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)
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
LC50	Lethal Concentration 50%
LCLo	Lowest published lethal concentration
LD50	Lethal Dose 50%
PEL	Permissible Exposure Limit
STEL	Short-Term Exposure Limit
TCLo	Lowest published toxic concentration
TWA	Time Weighted Average
VOC	Volatile Organic Content

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Quality System Certified to ISO 9001:2008

SAI Global File #004008
Burlington, Ontario, Canada

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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.

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