

4226

SUPER CORONA DOPE

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Identifier: 4226 Super Corona Dope**Other Means of Identification:** Not available**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
Surrey, British Columbia V4N 4E7
CANADA

☎ +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** support@mgchemicals.com**WEB** www.mgchemicals.com**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** info@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 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 serviceCANADA—Call CANUTEC collect at **+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
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

Signal Word	WARNING
Pictograms	Hazard Statements
	H351: Suspected of causing cancer H361: Suspected of damaging fertility or the unborn child H373: May cause damage to liver, kidney, and 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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Pictograms	Hazard Statements
<i>no symbol mandated</i>	H412: Harmful to aquatic life with long lasting effects
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, 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.
P233	Keep container tightly closed.
P260, P271	Do not breathe mist, spray, or vapors. Use only outdoors or in well-ventilated area.
P280	Wear protective gloves, protective clothing, and eye protection or face protection.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
Response	Precautionary Statements
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.
P314	Get medical advice or attention if you feel unwell.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or 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 or shower.
P332 + P313	If skin irritation occurs: Get medical advice or attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
Storage	Precautionary Statements
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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Disposal	Precautionary Statements
P501	Dispose of contents in accordance to local, regional, national, or international regulations.

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

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

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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 or attention
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	<i>mild eye irritation, redness, pain</i>
Response	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

Extinguishing Media	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish. Use water spray to cool containers.
Specific Hazards	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), nitrogen oxides (NO _x), and formaldehyde.
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

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SUPER CORONA DOPE**Section 6: Accidental Release Measures**

Personal Protection	See personal protection recommendations in Section 8.
Precautions for Response	Do not breathe mist, spray, or 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	Contain with inert and non-flammable absorbent (such as soil, sand, vermiculite).
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. Do not breathe mist, spray, or vapors. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Use explosion-proof equipment. Take precautionary measures against static discharge. Avoid release to the environment.
Handling	Wear protective gloves, protective clothing, and eye protection or face protection. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.

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 ACGIH¹, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from the RTECS database² 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**Personal Protective Equipment****Eye protection**

Wear appropriate protective eyeglasses or chemical safety goggles.

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

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, and 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.

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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	Relative Density @25 °C	0.93
Freezing/Melting Point	Not available	Solubility in Water	Insoluble
Initial Boiling Point ^{a)}	≥111 °C [≥231 °F]	Partition Coefficient n-octanol/water	Not available
Flash Point ^{b)}	27 °C [81 °F]	Auto-ignition Temperature	Not available
Evaporation Rate	~0.8 (ButAc = 1)	Decomposition Temperature	Not available
Flammability	Inflammable	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

Section 10: Stability and Reactivity

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

Section 11: Toxicological Information
Summary of Effects and Symptoms by Routes of Exposure

Eyes	May cause mild eye irritation, redness, or pain.
Skin	Causes skin irritation, dry skin, and redness.
Inhalation	May cause cough, dizziness, drowsiness, headache, nausea. May cause irritation of nose and throat.
Ingestion	May cause burning sensation and abdominal pain.
Chronic	<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 ³ 2 h Mouse
toluene	636 mg/kg Rat	12 124 mg/kg Rabbit	49 g/m ³ 4 h Rat
cumene	1 400 mg/kg, Rat	10 627 mg/kg Rabbit	10 g/m ³ 7 h Mouse

Note: Toxicity data from the RTECS² and ECHA databases were consulted. The data from supplier SDSs were also consulted.

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Other Toxicological Effects

Skin corrosion/irritation	Causes skin irritation based on Draize tests on animals.
Serious eye damage/irritation	Causes severe eye irritation based on Draize tests on animals.
Sensitization (allergic reactions)	Based on available data, the classification criteria are not met.
Carcinogenicity (risk of cancer)	Ethylbenzene [CAS# 100-41-4] 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 Cumene [CAS# 98-82-8] 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.
Mutagenicity (risk of heritable genetic effects)	At high doses, spermatogenesis was observed in male rat by inhalation of toluene.
Reproductive Toxicity (risk to sex functions)	Fetotoxicity is observed in animal studies for inhalation and oral exposures for toluene.
Teratogenicity (risk of fetus malformation)	Based on available data, the classification criteria are not met.
STOT-single exposure	Xylene and toluene can affect the central nervous system by inhalation causing drowsiness or dizziness.
STOT-repeated exposure	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.
Aspiration hazard	Aspiration hazard criteria are not met. The mixture has a kinematic viscosity of $>20.5 \text{ mm}^2/\text{s}$ at $40 \text{ }^\circ\text{C}$.

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 is an acute category 2 environmental toxicant with minimal LC50 96 h of 2.5 mg/L for *Oncorhynchus mykiss* (rainbow trout).

Ethylbenzene is an acute category 2 environmental toxicant with minimal LC50 96 h of 4.2 mg/L for *Oncorhynchus mykiss* (rainbow trout); EC50 48 h of 2.9 mg/L and 7 d NOEL of 0.91 mg/L *Daphnia magna* (water flea).

Toluene is an acute category 2 environmental toxicant with minimal LC50 96 h of 7.63 mg/L for *Oncorhynchus mykiss* (rainbow trout); EC50 24 h of 8.9 mg/L for *Daphnia magna* (water flea); and EC50 24 h of 10 mg/L for *Pseudokirchneriella subcapitata* (green algae).

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

Acute Ecotoxicity

See chronic ecotoxicity

Chronic Ecotoxicity

Category 3

Harmful to aquatic life with long lasting effects.

Avoid release to the environment.

Biodegradability

Not available

Bioaccumulation

Not available.

Other Effects

VOC (Actual 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 L and under
4226-55ML, 4226-1L, 4226-4L
Limited Quantity



Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Size 5 L and under
4226-55ML, 4226-1L, 4226-4L
Limited Quantity

Max Net Qty/Pkg =
10 L



FOR REFERENCE ONLY
UN number: UN1263
Shipping Name: PAINT
Class: 3
Packing Group: III
Marine Pollutant: No

Sea

Refer to IMDG Regulations.

Sizes 5 L and under
4226-55ML, 4226-1L, 4226-4L
Limited Quantity



FOR REFERENCE ONLY
UN number: UN1263
Shipping Name: PAINT
Class: 3
Packing Group: III
Marine Pollutant: No

Note: Shipper must be appropriately trained and certified 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/NDSL.

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

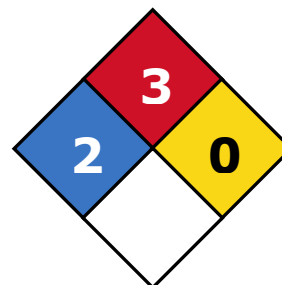
The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

USA

Other Classifications

HMIS® RATING

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)

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

All substances are TSCA listed.

California Proposition 65

(Chemicals known to cause cancer or reproductive toxicity, 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

SDS Prepared by the	Regulatory Affairs Department
Date of Revision	06 March 2020
Supersedes	31 July 2019
Reason for Changes :	Update to the emergency phone number information and general revisions.

Reference

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

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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.

Email: support@mgchemicals.com

Phone: +1-905-331-1396

Mailing Addresses *Manufacturing & Support*
1210 Corporate Drive
Burlington, Ontario, Canada
L7L 5R6

Head Office
9347-193rd Street
Surrey, British Columbia, Canada
V4N 4E7

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