408C

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Identifier: 408C

Other Means of Identification: Rubber Renue™

Related Part # 408C-125ML, 408C-225ML, 408C-225MLCA, 408C-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

☎ +1-905-331-1396
+1-800-340-0772

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 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

Section 2: Hazard(s) Identification

Classification of Hazardous Chemical

GHS Categories

Criteria		Category	Signal Word	Pictograms
Flammable Liquid		2	Danger	Flame
Eye Damage		1	Danger	Corrosive
Reproductive Toxicity		2	Warning	Health
Skin Sensitizer		1	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

Signal Word	DANGER
Pictograms	**Hazard Statements**
	H225: Highly flammable liquid and vapor
	H318: Causes serious eye damage
	H361d: Suspected of damaging the unborn child

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Pictograms	Hazard Statements
	H317: May cause an allergic skin reaction H336: May cause drowsiness or dizziness
No symbol	H412: Harmful to aquatic life with long lasting effects

Prevention	Precautionary Statements
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.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P261	Avoid breathing mist, vapors, and spray.
P280	Wear protective gloves and eye protection.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.

Response	Precautionary Statements
P310	Immediately call a POISON CENTRE or doctor.
P308+ P313	IF exposed or concerned: Get medical advice.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
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.

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Response	Precautionary Statements
P333 + P313	If skin irritation or rash occurs: Get medical advice or attention.
P304 + P340, P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.

Storage	Precautionary Statements
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

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

Other Hazards

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)
67-63-0	isopropyl alcohol	73%
119-36-8	methyl salicylate	27%

Section 4: First-Aid Measures

Exposure Condition	*GHS Code/Symptoms/Precautionary Statements*
IF IN EYES	P305 + P351 + P338, P337 + P313
Immediate Symptoms	*redness, pain, irritation, eye damage*
Response	Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

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IF ON SKIN (or hair)	P303 + P361 + P364, P352, P332 + P313, P308 + P313
Immediate Symptoms	*redness, dry skin, allergic contact dermatitis*
Response	Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF exposed or concerned: Get medical advice.
IF INHALED	P304 + P340, P312, P308 + P313
Immediate Symptoms	*cough, dizziness, drowsiness, headache, sore throat, respiratory irritation*
Response	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.
IF SWALLOWED	P301 + P330, P331, P310, P308 + P313
Immediate Symptoms	*abdominal pain, laboured breathing, nausea, unconsciousness, vomiting, diarrhoea, hyperventilation, ringing in the ears, convulsions*
Response	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. IF exposed or concerned: Get medical advice.

Section 5: Fire-Fighting Measures

Extinguishing Media	In case of fire: Use dry chemical, carbon dioxide, alcohol-resistant 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. Prevent fire-fighting wash from entering waterway or sewer system.
Combustion Products	Produces carbon oxides (CO, CO_2).
Fire-Fighter	Wear self-contained breathing apparatus and full fire fighting turn-out gear.

Section 6: Accidental Release Measures

Personal Protection	See personal protection recommendations in Section 8.
Precautions for Response	Avoid breathing the mist, spray, and vapors. Remove or keep away all sources of ignition or extreme heat.
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. **RECOMMENDATION:** Use a grounded stainless steel or carbon steel container.
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. Keep container tightly closed. Take action to prevent static discharges. Avoid breathing mist, vapors, and spray. Use only outdoors or in a well-ventilated area.
Handling	Wear protective gloves and eye protection. Wash hands thoroughly after handling. Take off immediately all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.
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/Province	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
isopropyl alcohol	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

Note: Ingredients are listed in descending weight contribution order (from greatest to least). The ACGIH[1], OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from the from suppliers' SDSs 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).

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.

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

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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.

Section 9: Physical and Chemical Properties

Physical State	Liquid	**Lower Flammability Limit**	2 %
Appearance	Clear	**Upper Flammability Limit**	12%
Odor	Wintergreen	**Vapor Pressure @20 °C**	38 hPa
Odor Threshold	Not available	**Vapor Density**	>2 (Air =1)
pH	Not available	**Relative Density @25 °C**	0.86
Freezing/Melting Point	Not available	**Solubility in Water**	Partly soluble
Initial Boiling Point a)	83 °C [181 °F]	**Partition Coefficient n-octanol/water**	Not available
Flash Point a)	11.7 °C [53 °F]	**Auto-ignition Temperature** b)	450 °C [842 °F]
Evaporation Rate	Not available	**Decomposition Temperature**	Not available
Flammability	Highly Flammable	**Viscosity @25 °C**	<20.5 mm^2/s

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Chemically stable at normal temperatures and pressures.
Conditions to Avoid	Avoid flames, sparks, other ignition sources and incompatible substances.
Incompatibilities	Strong oxidizing agents, reducing agents, strong acids, strong bases, alkali
Polymerization	Will not occur
Decomposition	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 redness, pain, and eye damage.
Skin	May cause redness, dry skin and allergic contact dermatitis.
Inhalation	May cause cough, dizziness, drowsiness, headache, sore throat, and respiratory irritation.
Ingestion	May cause abdominal pain, laboured breathing, nausea, unconsciousness, vomiting, diarrhoea, hyperventilation, ringing in the ears, and convulsions.
Chronic	Prolonged or repeated exposure may cause skin dryness or cracking.

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
isopropyl alcohol	5 000 mg/kg Rat	12 800 mg/kg Rabbit	24.6 mg/L 4 h Rat
methyl salicylate	887 mg/kg Rabbit	>5 000 mg/kg Rat [b)]	Not available

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

Other Toxicological Effects

Skin Corrosion/Irritation	Based on available data, the classification criteria are not met.
Serious Eye Damage/Irritation	Methyl salicylate causes eye damage.
Sensitization (allergic reactions)	Based on available data, the classification criteria are not met.
Carcinogenicity (risk of cancer)	None of the ingredients are classified or listed as a carcinogen by IARC, ACGIH, CA Prop 65, or NTP.
Mutagenicity (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.

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Reproductive Toxicity (risk to sex functions)	Methyl salicylate is suspected of causing damage to the unborn child.
Teratogenicity (risk of fetus malformation)	Based on available data, the classification criteria are not met.
STOT-Single Exposure	Isopropyl alcohol can affect the central nervous system by inhalation causing drowsiness or dizziness.
STOT-Repeated Exposure	Based on available data, the classification criteria are not met.
Aspiration Hazard	Based on available data, the classification criteria are not met. There are no cat 1 substances.

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.

Based on available data isopropyl alcohol is classified as an aquatic environmental toxicant according to GHS criteria.

Methyl salicylate is hazardous to the aquatic environment with a chronic category 3 classification.

Acute Ecotoxicity

Available toxicity data does not meet classification thresholds.

Chronic Ecotoxicity

Harmful to aquatic life with long lasting effects

Avoid release to the environment.

Biodegradability

The constituents are volatile and easily biodegradable.

Other Effects

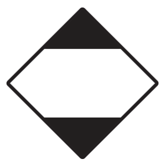
Actual Volatile Organic Compound (VOC) content = 100% [864 g/L]

Section 13: Disposal Information

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

Section 14: Transport Information

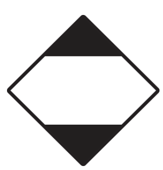
Ground

Refer to TDG regulations (Canadian Transportation of Dangerous Goods regulations); **USA DOT 49 CFR** (Parts 100 to 185) **Regulations**.	
Sizes 1 L and under *408C-125ML, 408C-225ML, 408C-225MLCA, 408C-1L* **Limited Quantity** 	

Air

Refer to ICAO-IATA Dangerous Goods Regulations.	
Sizes 1 L and under *408C-125ML, 408C-225ML, 408C-225MLCA, 408C-1L* **Limited Quantity** 	Sizes greater than 1 L *FOR REFERENCE ONLY* **UN number:** UN1993 **Shipping Name:** FLAMMABLE LIQUID, N.O.S (isopropyl alcohol) **Class:** 3 **Packing Group:** II **Marine Pollutant:** No

Sea

Refer to ICAO-IATA Dangerous Goods Regulations.	
Sizes 1 L and under *408C-125ML, 408C-225ML, 408C-225MLCA, 408C-1L* **Limited Quantity** 	Sizes greater than 1 L *FOR REFERENCE ONLY* **UN number**: UN1993 **Shipping Name:** FLAMMABLE LIQUID, N.O.S (isopropyl alcohol) **Class:** 3 **Packing Group**: II **Marine Pollutant:** No

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 2023.

USA

OSHA Hazard Communication Standard (29 CFR Part 1900)

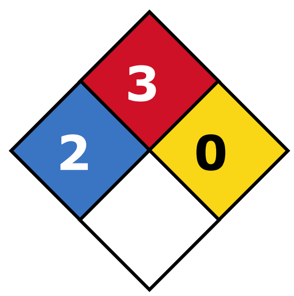
The safety data sheet and label comply with HCS 2024.

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

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

This product contains 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.

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TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

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

This product does not contain any substances on the California Proposition 65 list.

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	MG Chemical's Regulatory Department
Date of Creation	07 November 2024
Supersedes	01 September 2021

Reason for Changes: Update to classification based on new evidence.

Reference

1) ACGIH *2023 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 (2023).

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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
Wt	Weight

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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