8361 **(AEROSOL)**

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Identifier: 8361 (Aerosol)

Other Means of Identification: Label and Adhesive Remover

Related Part # 8361-140G, 8361-140GCA

Recommended Use and Restriction on Use

Use: Label and adhesive remover

Uses Advised Against: Not applicable

Details of Manufacturer or Importer

Manufacturer

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

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

MG Chemicals (Head Office)
9347-193 Street
Surrey, British Columbia V4N 4E7
CANADA

☎ +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 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
Extremely Flammable Aerosol		1	Danger	Flame
Aspiration Hazard		1	Danger	Health
Gas Under Pressure		Liquefied gas	Warning	Gas Cylinder
Sensitization	Skin	1	Warning	Exclamation
Skin Irritation		2	Warning	Exclamation
Specific Target Organ Toxicity	Single Exposure	3	Warning	Exclamation
Hazardous to the Aquatic Environment	Chronic	2	*none*	Environment

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

Label Elements

Signal Word	**DANGER**
Pictograms	**Hazard Statements**
	H222: Extremely flammable aerosol
	H304: May be fatal if swallowed and enters airways
	H280: Contains gas under pressure; may explode if heated

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Pictograms	**Hazard Statements**
	H315: Causes skin irritation H317: May cause an allergic skin reaction H336: May cause dizziness or drowsiness
	H411: Toxic to aquatic life with long lasting effects

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.
P211	Do not spray on an open flame or other ignition source.
P251	Do not piece or burn, even after use.
P261	Avoid breathing vapors, mist, and spray.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves.
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.

Response	**Precautionary Statements**
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or a doctor.
P331	Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty water.
P333 + P313	If skin irritation or rash occurs: Get medical advice or attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CONTROL CENTER or doctor if you feel unwell.
P361	Collect spillage.

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Storage	Precautionary Statements
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F].
P403	Store in a well-ventilated place.
P405	Store locked up.
Disposal	**Precautionary Statements**
P501	Dispose of contents in accordance to local, regional, national, and international regulations.

Hazards Not Otherwise Classified

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

Section 3: Composition/Information on Ingredients

CAS #	Chemical Name	%(weight)
64742-47-8	distillates (petroleum), hydrotreated light	55%
29118-24-9	trans-1,3,3,3-tetrafluoroprop-1-ene	25%
5989-27-5	d-limonene	15%
99-85-4	p-mentha-1,4-diene	2%
127-91-3	pin-2(10)-ene	0.9%
123-35-3	myrcene	0.7%
586-62-9	p-mentha-1,4(8)-diene	0.7%
80-56-8	pin-2(3)-ene	0.7%
99-86-5	p-mentha-1,3-diene	0.3%

Section 4: First-Aid Measures

Exposure Condition	*GHS Code: Precautionary Statement*
IF SWALLOWED	P301 + P310, P331
Immediate Symptoms	*cough, nausea, sore throat, diarrhea, vomiting*
Response	Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
IF ON SKIN	P302 + P352, P333 + P313, P362 + P364
Immediate Symptoms	*redness, irritation, dry skin, allergic reaction*
Response	Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. Take off contaminated clothing and wash it before reuse.
IF INHALED	P304 + P340, P312
Immediate Symptoms	*irritation of the nose, throat, lungs, drowsiness, dizziness*
Response	Remove person to fresh air and keep comfortable for breathing. If you feel unwell: Call a POISON CENTRE or doctor.
IF IN EYES	P305 + P351 + P338
Immediate Symptoms	*mild irritation, redness*
Response	Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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	Aerosols containers may erupt with force at temperatures above 50 °C [122 °F]. Produces irritating and toxic fumes in fires or in contact with hot surfaces. 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.

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Combustion Products	Produces carbon oxides (CO, CO_2), halogenated compounds, and hydrogen fluorides.
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: Accidental Release Measures

Personal Protection	See personal protection equipment in Section 8.
Precautions for Response	Avoid breathing the mist, spray, or 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	Not applicable
Cleaning	Collect the liquid in a sealable, chemical-resistant container. Sprinkle inert absorbent compound onto spill, then sweep into the container. Use 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.
	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	Do not spray on open flame or other ignition source. Do not pierce or burn, even after use.
	Avoid breathing mist, vapors, or spray. Use only outdoors or in a well-ventilated area.
	Contaminated work clothing should not be allowed out of the workplace.
	Avoid release to the environment.
Handling	Wear protective gloves.
	Wash hands thoroughly after handling.
	Take off contaminated clothing and wash it before reuse.
	Collect spillage.

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Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C [122 °F]. Store in a well-ventilated place.

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)
trans-1,3,3,3-tetrafluoroprop-1-ene	*MG Chemicals* [a)] ACGIH U.S.A. OSHA PEL USA AIHA WEEL Canada	800 ppm Not established Not established 800 ppm Not established	Not established Not established Not established Not established Not established
d-limonene	ACGIH U.S.A. OSHA PEL U.S.A. WEEL Canada AB Canada BC Canada ON Canada QC	Not established Not established 30 ppm Not established Not established Not established Not established	Not established Not established Not established Not established Not established Not established Not established
turpentine and selected monoterpenes *(CAS# 127-91-3 and 80-56-8)*	ACGIH U.S.A. OSHA PEL U.S.A. WEEL Canada AB Canada BC Canada ON Canada QC	20 ppm (TWA) Not established Not established 20 ppm Not established Not established Not established	Not established Not established Not established Not established Not established Not established Not established

Note: The ACGIH[1], OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from RTECS[2] database 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) Manufacture's recommended limit.

Engineering Controls

Ventilation

Keep airborne concentrations below the occupational exposure limits (OEL).

Section continued on the next page

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, fluorinated rubber, or other chemically resistant gloves. For incidental contacts, use neoprene, natural latex rubber, or other chemically resistant gloves.
Respiratory Protection	For over-exposures up to 10 x OEL of mist, vapors, or 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**	0.7%
Appearance	Colorless liquid in aerosol form	**Upper Flammability Limit**	6.1%
Odor	Citrus	**Vapor Pressure @20 °C**	2 hPa [1.5 mmHg]
Odor Threshold	Not available	**Vapor Density**	4.7 (Air=1)
pH	Not available	**Relative Density @25 °C**	0.83
Freezing/Melting Point	Not available	**Solubility in Water**	Slightly soluble
Initial Boiling Point a)	≥178 °C [≥311 °F]	**Partition Coefficient n-octanol/water** a)	4.2
Flash Point a)	48 °C [88 °F]	**Auto-ignition Temperature**	237 °C [459 °F]
Evaporation Rate	Not available	**Decomposition Temperature**	Not available
Flammability	Extremely flammable	**Viscosity @40 °C**	<20.5 mm^2/s

a) Values based on d-limonene

Section 10: Stability and Reactivity

Reactivity	d-Limonene can oxidize slowly in contact with air.
Chemical Stability	Chemically stable at normal temperatures and pressures.
Conditions to Avoid	Avoid temperatures above 50 °C [122 °F], open flames, and incompatible substances.
Incompatibilities	Oxidizing agents, strong acids, peroxides, halogens, vinyl chloride, and iodine pentafluoride
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 irritation and redness.
Skin	Causes irritation, redness and dry skin.
Inhalation	May cause irritation of the nose, throat, lungs, drowsiness, dizziness.
Ingestion	May cause cough, nausea, sore throat, diarrhea, and vomiting.
Chronic	Long term exposure may lead to allergic skin reaction in some individuals.

Acute Toxicity (Lethal Exposure Concentrations)

Chemical Name	LD50 oral	LD50 dermal	LC50 inhalation
distillates (petroleum), hydrotreated light	>8 000 mg/kg Rat	>4 000 mg/kg Rabbit	>2 500 ppm 4 h Rat
trans-1,3,3,3-tetrafluoroprop-1-ene	Not available	Not available	>207 000 ppm 4 h Rat
d-limonene	4 400 mg/kg Rat	>5 000 mg/kg Rabbit	Not available
p-mentha-1,4-diene	3 650 mg/kg Rat	Not available	Not available
pin-2(10)-ene	4 700 mg/kg Rat	>5 000 mg/kg Rabbit	20 mg/L Rat
p-mentha-1,4(8)-diene	3 740 mg/kg Rat	>4 300 mg/kg Rabbit	Not available
myrcene	>2 000 mg/kg Rat	>5 000 mg/kg Rabbit	Not available
pin-2(3)-ene	3 700 mg/kg Rat	>5 000 mg/kg Rabbit	Not available
p-mentha-1,3-diene	1 680 mg/kg Rat	Not available	Not available

Note: Toxicity data from the RTECS[2] and ECHA were consulted. The data from supplier SDSs were also consulted.

Section continued on the next page

Other Toxicological Effects

Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Sensitization (allergic reactions)	In its pure form, d-Limonene is not a sensitizer, but its oxidized form is a known skin sensitizer. People already sensitized to turpentine or terpenes may also be allergic to d-limonene.
Carcinogenicity (risk of cancer)	**Myrcene [CAS# 123-35-3]** IARC Group 2B: Not listed ACGIH A3: Not listed CA Prop 65: Listed as a carcinogen NTP: clear evidence of carcinogenic activity
Mutagenicity (risk of heritable genetic effects)	Based on available data, the classification criteria are not met.
Reproductive Toxicity (risk to sex functions)	Based on available data, the classification criteria are not met.
Teratogenicity (risk of fetus malformation)	Based on available data, the classification criteria are not met.
STOT-single exposure	The hydrocarbon hydrotreated light is known to have narcotic effects by inhalation.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	The liquid content is classified as Cat 1 aspiration hazards. There are >10% category 1 components and the kinematic viscosity of the mixture is <20.5 mm^2/s at 40 °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.

The distillates (petroleum), hydrotreated light is a substance that is toxic to the aquatic life of category 2.

The d-limonene component is an acute category 1 environmental toxicant with minimal LC50 of 0.702 mg/L 96 h for Pimephales promelas (fathead minnow); EC50 69.6 mg/L 48 h Daphnia pulex (water flea).

Acute Ecotoxicity

See chronic ecotoxicity

Chronic Ecotoxicity

Category 2

Toxic to aquatic life with long lasting effects

Avoid release to the environment. Collect spillage.

Biodegradability

Expected to be inherently biodegradable. The volatile constituents will oxidize rapidly in air by photochemical reaction.

Other Effects

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

VOC (EPA, CEPA) = 75% [621 g/L]

VOC with low vapor pressure exemption = 20% [166 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 DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Limited Quantity 	**UN number**: UN1950 **Shipping Name:** AEROSOLS, flammable **Class:** 2.1 **Packing Group**: Not applicable Marine Pollutant: Yes

Air

Refer to ICAO-IATA Dangerous Goods Regulations.

Limited Quantity 	**UN number**: UN1950 **Shipping Name:** AEROSOLS, flammable **Class:** 2.1 **Packing Group**: Not applicable Marine Pollutant: Yes

Sea

Refer to IMDG regulations.

Limited Quantity 	**UN number**: UN1950 **Shipping Name:** AEROSOLS, flammable **Class:** 2.1 **Packing Group**: Not applicable Marine Pollutant: Yes

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.

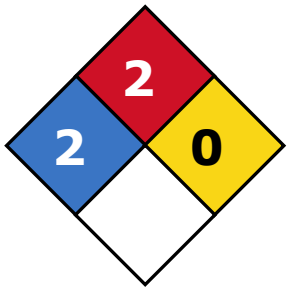
USA

Other Classifications

HMIS® RATING

HEALTH:	* **2**
FLAMMABILITY:	**2**
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 does not contain substances that are subject to the reporting requirements of section 313 Title III of the SARA of 1986 and 40 CFR part 372.

TSCA (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

Section continued on the next page

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

This product contains myrcene, which is listed as a carcinogen in California. However, it is a naturally occurring botanical constituent (chemical in food) that is exempted from warning for consumer products in accordance to 27 CCR §25501(b).

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	Regulatory Affairs
Date of Revision	05 March 2020
Supersedes	19 September 2018
Reason for Changes:	Change to emergency phone numbers.

Reference

1) 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).

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

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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

1210 Corporate Drive
Burlington, Ontario, Canada
L7L 5R6

Head Office

9347–193rd Street
Surrey, British Columbia, Canada
V4N 4E7

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