

8361A-P

PEN

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Identifier: 8361A-P**Other Means of Identification:** Label and Adhesive Remover Pen**Related Part #** 8361A-P

Recommended Use and Restriction on Use

Use: Adhesive and label remover**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

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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
Aspiration Hazard	1	Danger	Health
Sensitization	1	Warning	Exclamation
Skin Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity	3	Warning	Exclamation
Flammable Liquid	3	Warning	Flame
Hazardous to the Aquatic Environment	2	None	Environment


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
	H304: May be fatal if swallowed and enters airways
	H317: May cause an allergic skin reaction H315: Causes skin irritation H336: May cause dizziness or drowsiness
	H226: Flammable liquid and vapor

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Pictograms	Hazard Statements
	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.
P261	Avoid breathing vapors.
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
P370 + P378	In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.
P301 + P310, P331	IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.
P303 + P361 + P364, P352	IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water.
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 CENTRE 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, national, and international regulations.

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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)
64742-47-8	distillates (petroleum), hydrotreated light	80%
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

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statements</i>
IF ON SKIN (or hair)	P303 + P361 + P364, P352, P333 + P313
Immediate Symptoms	<i>redness, irritation, dry skin</i>
Response	Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention.
IF SWALLOWED	P301 + P310, P331
Immediate Symptoms	<i>nausea, sore throat, diarrhea, drowsiness, dizziness</i>
Response	Immediately call a POISON CENTER or doctor. Do NOT induce vomiting.

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IF INHALED	P304 + P340, P312
Immediate Symptoms	<i>drowsiness, dizziness, headaches, nausea, unconsciousness</i>
Response	Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.
IF IN EYES	P305 + P351 + P338
Immediate Symptoms	<i>redness</i>
Response	Rinse cautiously with water for several 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.
Specific Hazards	The liquid may float on water and ignite. 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).
Fire-Fighter	Wear self-contained breathing apparatus and full fire-fighting turn-out gear.

Section 6: Accidental Release Measures

Personal Protection	Use personal protection recommended in Section 8.
Precautions for Response	Avoid breathing the 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	Not applicable
Cleaning Methods	Place inert absorbent pads directly on the spill. Let absorb and wipe clean. Collect the contaminated pad in a sealable, solvent-resistant container.
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.

Avoid breathing vapors. Use only outdoors or in a well-ventilated area.

Contaminated work clothing should not be allowed out of the workplace.

Handling

Wear protective gloves.

Wash hands thoroughly after handling.

Take off immediately all contaminated clothing and wash before reuse. Wash with plenty of water.

Avoid release to the environment. Collect spillage.

Storage

Store in well-ventilated place. Keep cool. Keep cap on when not in use.

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)
distillate (petroleum) hydrotreated light (aerosol)	ACGIH	200 mg/m ³	Not established
	U.S.A. OSHA PEL	Not established	Not established
	Canada AB	200 mg/m ³	Not established
	Canada BC	200 mg/m ³	Not established
	Canada ON	200 mg/m ³	Not established
	Canada QC	Not established	Not established
d-limonene	ACGIH	Not established	Not established
	U.S.A. OSHA PEL	Not established	Not established
	U.S.A WEEL ^{a)}	30 ppm	Not established
	Canada AB	Not established	Not established
	Canada BC	Not established	Not established
	Canada ON	Not established	Not established

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Chemical Name	Country	Long Term Exposure Limits (PEL)	Short Term Exposure Limits (STEL)
turpentine and selected monoterpenes (CAS# 127-91-3 and 80-56-8)	ACGIH	20 ppm (TWA)	Not established
	U.S.A. OSHA PEL	Not established	Not established
	U.S.A. WEEL	Not established	Not established
	Canada AB	20 ppm	Not established
	Canada BC	Not established	Not established
	Canada ON	Not established	Not established
	Canada QC	Not established	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 usually for 15 min and long term permissible exposure limits (PEL) for 8 h.

a) Workplace Environmental Exposure Limit

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 incidental contacts, use nitrile, neoprene, PVC gloves, or other chemically resistant gloves.

Respiratory Protection

For over-exposures up to 10 x OEL of mist/vapors, 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.

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General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

Section 9: Physical and Chemical Properties

Physical State	Liquid	Lower Flammability Limit ^{a)}	0.7%
Appearance	Colorless	Upper Flammability Limit ^{a)}	6.1%
Odor	Citrus	Vapor Pressure @20 °C	<4 hPa [<3 mmHg]
Odor Threshold	Not available	Vapor Density	>4.7 (Air =1)
pH	Not available	Relative Density @25 °C	0.82
Freezing/Melting Point	Not available	Solubility in Water	Slightly miscible
Initial Boiling Point ^{a)}	≥178 °C [≥352 °F]	Partition Coefficient n-octanol/water	Not available
Flash Point ^{a)}	48 °C [118 °F]	Auto-ignition Temperature ^{a)}	≥237 °C [≥459 °F]
Evaporation Rate	<0.3 (ButAc =1)	Decomposition Temperature	Not available
Flammability	Flammable	Viscosity @40 °C	<20.5 mm ² /s

a) Closed cup flash point for d-limonene, which is the lowest liquid phase value

Section 10: Stability and Reactivity

Reactivity	Not available
Chemical Stability	Chemically stable at normal temperatures and pressures
Conditions to Avoid	Avoid open flames, ignition sources, excessive heat, and incompatible substances.
Incompatibilities	Oxidizing agents, 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 redness.
Skin	May causes skin redness, irritation, and dry skin.
Inhalation	May cause drowsiness, dizziness, cough, headaches, nausea (in extreme doses: unconsciousness).
Ingestion	May cause nausea, sore throat, and diarrhea (see inhalation symptoms).
Chronic	Prolonged or repeated exposure may cause skin dryness and cracking. 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
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

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

Other Toxicological Effects

Skin corrosion/irritation	Distillates (petroleum) hydrotreated light and d-limonene cause skin irritation.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.

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8361A-P**PEN****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 hazard. It is composed of petroleum distillates and d-limonene, and the kinematic viscosity is <20.5 mm²/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 distillate (petroleum) hydrotreated light has a chronic aqueous toxicity of category 2.

The d-limonene component has a chronic aqueous toxicity of category 1 biodegradable, 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

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Date: 20 October 2021 / Ver. 1.05

8361A-P**PEN****Chronic Ecotoxicity**

Category 2

Toxic to aquatic life with long lasting effects

Avoid release of the environment. Collect spillage.

Biodegradability

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

Other Effects

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

VOC (EPA, CEPA) = 20% [164 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 CFR 49 Regulations (Parts 100 to 185).

Sizes 30 mL and under

Excepted QuantityCode **E1**Max net/outer pkg =
1 L*Section continued on the next page*

8361A-P**PEN****Air****Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 30 mL and under

Excepted Quantity

Code E1

On air waybill, write:
"Dangerous Goods in
Excepted Quantities".Max net/outer pkg =
1 L**FOR REFERENCE ONLY****UN number:** UN3295**Shipping Name:** HYDROCARBONS, LIQUID,
N.O.S. (distillates (petroleum), hydrotreated light)**Class:** 3**Packing Group:** III**Marine Pollutant:** Yes**Sea****Refer to IMDG regulations.**

Sizes 30 mL and under

Excepted Quantity

Code E1

In transport document,
write:
"Dangerous Goods in
Excepted Quantities".Max net/outer pkg =
1 L**FOR REFERENCE ONLY****UN number:** UN3295**Shipping Name:** HYDROCARBONS, LIQUID,
N.O.S. (distillates (petroleum), hydrotreated light)**Class:** 3**Packing Group:** III**Marine Pollutant:** Yes

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.

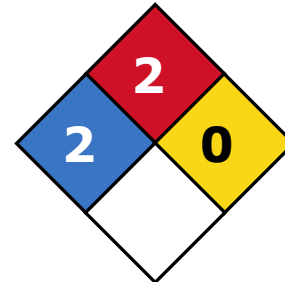
Hazardous Products Act (R.S.C., 1985, c. H-3)

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

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8361A-P**PEN****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 ingredients that have a reporting quantity requirements in 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.

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

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 Department
Date of Creation	10 October 2021
Supersedes	05 March 2020
Reason for Changes:	Minor changes.

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®), MDL Information Systems, Inc.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists (USA)
EC50	Half maximal effective concentration
EL50	Half maximal effective loading
GHS	Globally Harmonized System of Classification of Labeling of Chemicals
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
NOELR	No observable effect loading ratio
NTP	National Toxicology Program
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit
TWA	Time Weighted Average
VOC	Volatile Organic Content

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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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