

LABEL AND ADHESIVE REMOVER PEN

8361-PEN

Safety Data Sheet

Section 1: Identification

Product Identifier and Other Means of Identification

Product Name: Label and Adhesive Remover Pen**SDS Code:** 8361-Pen**Related Part #** 8361-P

Recommended Use and Restriction on Use

Use: Adhesive and label remover**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
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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
Aspiration Hazard	1	Danger	Health
Sensitization Skin	1	Warning	Exclamation
Skin Irritation	2	Warning	Exclamation
Specific Target Organ Toxicity Single Exposure	3	Warning	Exclamation
Flammable Liquid	3	Warning	Flame
Environmental Hazard Chronic Aqua. Tox	1	Warning	Environment

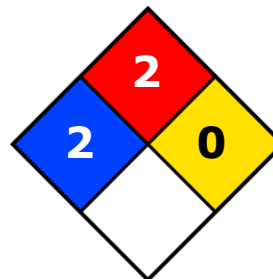
Note: The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity), which is opposite to HMIS and NFPA conventions. Severity category rankings do not allow comparisons between classes.

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)

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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
	H410: Very toxic to aquatic life with long lasting effects
Prevention	Precautionary Statements
P102 P210 P243 P261 P271 P233 P272 P280 P264 P273	Keep out of reach of children. Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking. Take action to prevent static discharges. Avoid breathing mist/vapors. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves/eye protection/face protection. Wash hands thoroughly after handling. Avoid release to the environment.

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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/doctor. Do NOT induce vomiting.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE/doctor if you feel unwell.
P391	Collect spillage.
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.

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)
64742-47-8	distillates (petroleum) hydrotreated light	73%
5989-27-5	D-limonene	27%

LABEL AND ADHESIVE REMOVER PEN**8361-PEN****Section 4: First-Aid Measures**

<i>Exposure Condition</i>	<i>GHS Code/Symptoms/Precautionary Statements</i>
IF ON SKIN	P302 + P352, P333 + P313, P362 + P364
Immediate Symptoms	<i>redness, irritation, dry skin</i>
Response	Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
IF SWALLOWED	P301 + P310, P331
Immediate Symptoms	<i>nausea, sore throat, diarrhea, drowsiness, dizziness</i>
Response	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.
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. If you feel unwell: Call a POISON CENTRE/doctor.
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.

LABEL AND ADHESIVE REMOVER PEN**8361-PEN****Section 6: Accidental Release Measures**

Personal Protection	Use personal protection recommended in Section 8.
Precautions for Response	Avoid breathing the mist/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	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. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing mist/vapors. Use only outdoors or in a well-ventilated area. Keep container tightly closed. Contaminated work clothing should not be allowed out of the workplace.
Handling	Wear protective gloves. Wash hands thoroughly after handling. Take off contaminated clothing and with it before reuse. Avoid release to the environment. Collect spillage.
Storage	Store in well-ventilated place. Keep cool. Store locked up.

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Section 8: Exposure Controls/Personal Protection

Substances with Occupational Exposure Limit Values

Chemical Name	Country/Provinces	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
D-limonene	Canada QC	Not established	Not established
	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	

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.
For likely contacts, use of protective nitrile gloves or other chemically resistant gloves.

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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 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.

General Hygiene Considerations

Wash hands thoroughly with water and soap after handling.

Section 9: Physical and Chemical Properties

Physical State	Liquid	Lower Flammability Limit ^{b)}	0.6%
Appearance	Colorless	Upper Flammability Limit ^{b)}	7.0%
Odor	Orange rind-like	Vapor Pressure @20 °C	< 4 hPa [<3 mmHg]
Odor Threshold	Not available	Vapor Density	>4.7 (Air =1)
pH	Not available	Specific Gravity @25 °C	0.82
Freezing/Melting Point	Not available	Solubility in Water	slightly soluble
Boiling Point ^{a)}	≥176 °C [≥349 °F]	Partition Coefficient	Not available
Flash Point ^{a)}	≥43 °C [≥110 °F]	Auto-ignition Temperature ^{b)}	≥216 °C [≥473 °F]
Evaporation Rate	<0.3 (ButAc =1)	Decomposition Temperature	Not available
Flammability (solid, gas)	Not applicable	Viscosity @40 °C	<20.5 mm ² /s

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

b) Values based on distillates (petroleum) hydrotreated light, which is the main component with the lowest auto-ignition.

LABEL AND ADHESIVE REMOVER PEN**8361-PEN****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**Routes of Exposure**

Ingestion, Inhalation, and Skin contact

Symptoms Summary

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, defat skin. 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

Note: Toxicity data from the RTECS² and ECHA databases were consulted. Data from supplier (M)SDS were also consulted.

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LABEL AND ADHESIVE REMOVER PEN**8361-PEN****Other Toxicological Effects**

Skin corrosion/irritation	Distillates (petroleum) hydrotreated light and D-limonene may cause skin irritation.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Sensitization (allergic reactions)	D-limonene is a skin sensitizer according to animal studies.
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.
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 is content is classified as Cat 1 aspiration hazards. It is composed of petroleum distillates and D-limonene, and the kinematic viscosity 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 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

Category 1

Very Toxic to aquatic life

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LABEL AND ADHESIVE REMOVER PEN**8361-PEN****Chronic Ecotoxicity**

Category 1

Very 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) = 100%

VOC with low vapor pressure exemption = 27% [218 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** (Canadian Transportation of Dangerous Goods regulations) and **USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Sizes 5 L and under

Limited Quantity*Section continued on the next page*

LABEL AND ADHESIVE REMOVER PEN**8361-PEN****Air****Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 30 mL and under

Excepted Quantity
Document as class **E2****UN number:** UN3295**Shipping Name:**
HYDROCARBONS, LIQUID, nos**Class:** 3**Packing Group:** III**Marine Pollutant:** YesFlash Point ≥ 43 °C [≥ 110 °F]**Sea****Refer to IMDG regulations.**

Sizes 30 mL and under

Excepted Quantity
Document as class **E2****UN number:** UN3295**Shipping Name:**
HYDROCARBONS, LIQUID, nos**Class:** 3**Packing Group:** III**Marine Pollutant:** YesFlash Point ≥ 43 °C [≥ 110 °F]

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

Section 15: Regulatory Information**Canada****WHMIS 1988 Classification**B5 - Flammable Liquid;
D2B Toxic Other (Skin irritant, Skin sensitizer)**Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

All hazardous ingredients are listed on the DSL/NDSL.

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LABEL AND ADHESIVE REMOVER PEN**8361-PEN****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**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, Sept 2, 2011 revision, USA).

This product does not contain any listed substances in California.

Europe**RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, or PBDE's, 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 Michel Hachey

Date of Creation 01 Septembre 2015

Supersedes Not applicable

Reason for Changes: New product in compliance with HCS 2012 and WHMIS 2015.

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LABEL AND ADHESIVE REMOVER PEN**8361-PEN****Reference**

- 1) 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).
- 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

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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