



PENRAY LENS PREP SOLUTION

SAFETY DATA SHEET

Section 1: Identification

Product Name: PENRAY Lens Prep
Product Code: 8405 Step 1
Product Class: Automotive Lens Headlight Lens Preparation
Manufacturer/Supplier: The Penray Companies Inc
440 Denniston Ct
Wheeling IL 60090
Telephone: (800) 373-6729
Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: October 21, 2014
Date of Review/Update: July 20, 2016

Section 2: Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification: Flammable Liquid 3, Aspiration Toxicity 1, Eye and Skin Irritant 2b,
Signal Word: Danger

GHS Hazard Statements:

H226 Flammable liquid and vapor
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H320 Causes eye irritation

GHS Precautionary Statements:

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
P331 Do NOT induce vomiting.
P370 + P378 In case of fire: See Section 5 for extinguishing media.
P501 Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national and international regulations.

Signs and Symptoms of Exposure:

Eye: Irritation including tearing or redness.
Skin: Prolonged skin contact may cause irritation including redness, irritation, itching.
Ingestion: Gastrointestinal irritation, nausea, vomiting, and diarrhea, upset stomach.
Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled..
Medical Conditions Aggravated by Exposure: None known.

HMIS Rating: Health- 1 Fire- 0 Reactivity- 0 Personal Protection- C
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS Number</u>	<u>% Range</u>	<u>OSHA PEL</u>	<u>ACGHI TLV</u>
Petroleum Distillates	64742-48-9	5-15	Not Established	Not Established
Alumina	1344-28-1	15-25	Not Established	Not Established
Petroleum Distillates	64742-47-8	5-15	Not Established	Not Established
Hydroxy-acetic Acid	79-14-1	1-5	Not Established	Not Established

Section 4: First Aid Measures

Eye Contact: Flush with large amounts of water for 15 minutes. If symptoms persist, seek medical attention.
Skin Contact: Wash affected area with water for 15 minutes. Remove contaminated clothing and laundry before reuse.
Ingestion: Never give anything by mouth to an unconscious person. If person is conscious then give several glasses of water. Do not induce vomiting. Keep warm and quiet. Seek medical attention.
Inhalation: Remove from exposure. Seek fresh air. Keep warm and quiet. If symptoms persist seek medical attention.

Section 5: Fire-Fighting Measures

Fire and Explosive Properties: Flash Point: 170°F / TCC Flammable Limits: LEL / UEL: 0.6 / 7.0
Extinguishing Media: Water fog, dry chemicals or carbon dioxide.
Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus for confined areas.
Unusual Fire and Explosion Hazards: Vapors are heavier than air. Treat as petroleum fire.

Section 6: Accidental Release Measures

Steps to be taken if Material is Spilled or Leaked: Remove all sources of ignition. Contain spill. Ventilate and remove with inert absorbent.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:

Contents may burn. Keep away from any heat or spark source. Do not smoke. Empty containers can contain explosive vapors. Never use a torch to cut or weld on or near container. Never wear oil soaked clothing. Laundry or dry-clean before wearing. Discard oil soaked shoes. Affix proper warning labels on containers in accordance with 29CFR 1010.1200.

Section 8: Exposure Controls and Personal Protection

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.
Respirator Protection: Properly fitted NIOSH/MSHA approved respirator for ingredients found in SECTION 3 if TLV is exceeded.
Skin Protection: Gloves rated for protection against ingredients in SECTION 3.
Eye Protection: Safety glasses with side shields or chemical goggles.

Section 9: Physical and Chemical Properties

Boiling Point:	212°F	Vapor Pressure (mmHg @ 68°F):	Unknown
Vapor Density:	Unknown	Solubility in Water:	Negligible
Specific Gravity:	1.01 ± 0.05	Melting Point:	Not Applicable
% Volatile:	85.0 ± 0.5	pH:	Not Applicable
Appearance/Odor:	White Creamy Liquid, Bland Odor		

Section 10: Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Various hydrocarbons of incomplete combustion.

Materials to Avoid: Strong oxidizers
Conditions to Avoid: Open flames, sources of ignition.

Section 11: Toxicology Information

IARC, NTP, OSHA Carcinogen: None

Section 12: Ecological Information

No data

Section 13: Disposal Considerations

Waste Disposal: Waste from this product is hazardous (D001) as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Dispose of in accordance with federal, state and local regulations.
NOTE: Empty containers less than 110 gallons of D001 are not hazardous waste if as much of the product has been consumed as practical and less than 1 inch or 3% (by weight) of residue remain. (40CFR, 261.7)

Section 14: Transport Information

D.O.T. REQUIREMENTS (49CFR 172.101):
Not regulated when shipped in quantities less than 119 gallons. If shipped in quantities of more than 119 gallons, or if shipped by vessel or aircraft use the following Proper Shipping Description (49CFR 173.120):
UN1993, Flammable Liquid N.O.S., 3, PG III, (Petroleum Distillates)

Section 15: Regulatory Information

RQ (REPORTABLE QUANTITY) 49CFR 172.101: None
TSCA (Toxic Substances Control Act) Status: The intentional ingredients of this product are listed.
CERCLA RQ - 40CFR 302.4: None

SARA 302 COMPONENTS - 40CFR 355 Appendix A:
SECTION 311/312 HAZARD CLASS - 40CFR 370.2

None

Immediate (X)

Reactive ()

Delayed (X)

Sudden Release of Pressure ()

Fire (X)

SARA 313 COMPONENTS - 40CFR 372.65:

None

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

<u>Ingredient</u>	<u>Cas Number</u>	<u>Max. % By Wt.</u>	<u>LD50</u>	<u>LC50</u>
Petroleum Distillates	64742-48-9	5-15	Not Established	Not Established
Alumina	1344-28-1	15-25	Not Established	Not Established
Petroleum Distillates	64742-47-8	5-15	Not Established	Not Established
Hydroxy-acetic Acid	79-14-1	1-5	Not Established	Not Established

CALIFORNIA PROPOSITION 65: None

Section 16: Other Information

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.



PENRAY LENS COATING SOLUTION
SAFETY DATA SHEET

Section 1: Identification

Product Name: PENRAY Lens Coating
 Product Code: 8405 Step 2
 Product Class: Automotive Lens Headlight Lens Preparation
 Manufacturer/Supplier: The Penray Companies Inc
 440 Denniston Ct
 Wheeling IL 60090
 Telephone: (800) 373-6729
 Emergency Telephone: CHEMTREC 800-424-9300

Date Prepared: October 21, 2014
 Date of Review/Update: July 20, 2016

Section 2: Hazard Identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard Symbols:



GHS Classification: Flammable Liquid 3, Aspiration Toxicity 1, Eye and Skin Irritant 2b,
 Signal Word: Danger

GHS Hazard Statements:

- H226 Flammable liquid and vapor
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- H320 Causes eye irritation

GHS Precautionary Statements:

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- 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.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor
- P308 + P313 IF exposed or concerned: Get medical advice/ attention.
- P331 Do NOT induce vomiting.
- P370 + P378 In case of fire: See Section 5 for extinguishing media.
- P501 Dispose of contents/container to appropriate waste disposal facility, in accordance with local, regional, national and international regulations.

Signs and Symptoms of Exposure:

Eye: Irritation including tearing or redness.
 Skin: Prolonged skin contact may cause irritation including redness, irritation, itching.
 Ingestion: Gastrointestinal irritation, nausea, vomiting, and diarrhea, upset stomach.
 Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled..
 Medical Conditions Aggravated by Exposure: None known.
 HMIS Rating: Health- 1 Fire- 0 Reactivity- 0 Personal Protection- C
 0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Section 3: Composition/Information on Ingredients

Chemical Name	CAS Number	% Range	OSHA PEL	ACGHI TLV
Petroleum Distillates	8052-41-3	85-95	Not Established	Not Established
Hydrogenated Hydrocarbon Resin	Not Available	10-15	Not Established	Not Established

Section 4: First Aid Measures

Eye Contact: Flush with large amounts of water for 15 minutes. If symptoms persist, seek medical attention.
 Skin Contact: Wash affected area with water for 15 minutes. Remove contaminated clothing and launder before reuse.

Ingestion: Never give anything by mouth to an unconscious person. If person is conscious then give several glasses of water. Do not induce vomiting. Keep warm and quiet. Seek medical attention.
Inhalation: Remove from exposure. Seek fresh air. Keep warm and quiet. If symptoms persist seek medical attention.

Section 5: Fire-Fighting Measures

Fire and Explosive Properties: Flash Point: 125°F / TCC Flammable Limits: LEL / UEL: Not Available
Extinguishing Media: Water fog, dry chemicals or carbon dioxide.
Protective Equipment: Full protective equipment including self-contained breathing apparatus for confined areas.
Unusual Fire and Explosion Hazards: Vapors are heavier than air. Treat as petroleum fire.

Section 6: Accidental Release Measures

Steps to be taken if Material is Spilled or Leaked: Remove all sources of ignition. Contain spill. Ventilate and remove with inert absorbent.

Section 7: Handling and Storage

Precautions to be taken in Handling and Storage:

Contents may burn. Keep away from any heat or spark source. Do not smoke. Empty containers can contain explosive vapors. Never use a torch to cut or weld on or near container. Never wear oil soaked clothing. Launder or dry-clean before wearing. Discard oil soaked shoes. Affix proper warning labels on containers in accordance with 29CFR1010.1200.

Section 8: Exposure Controls and Personal Protection

Ventilation: Use only with adequate ventilation. Avoid breathing vapor or mist. Local exhaust preferred.
Respirator Protection: Properly fitted NIOSH/MSHA approved respirator for ingredients found in Section 3 if TLV is exceeded.
Skin Protection: Gloves rated for protection against ingredients in Section 3.
Eye Protection: Safety glasses with side shields or chemical goggles.

Section 9: Physical and Chemical Properties

Boiling Point:	355°F	Vapor Pressure (mmHg @ 68°F):	0.1
Vapor Density:	.69	Solubility in Water:	None
Specific Gravity:	0.65 ± 0.05	Melting Point:	Not Applicable
% Volatile:	85.0 ± 1.0	pH:	Not Applicable
Appearance/Odor:	Water Clear, Thin Liquid, Solvent Odor.		

Section 10: Stability and Reactivity

Stability: Stable
Materials to Avoid: Strong oxidizers
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Combustible. Keep away from heat, sparks, and flames.
Hazardous Decomposition Products: Various hydrocarbons of incomplete combustion.

Section 11: Toxicology Information

IARC, NTP, OSHA Carcinogen: None

Section 12: Ecological Information

Not Available

Section 13: Disposal Considerations

Waste Disposal: Waste from this product is hazardous (D001) as defined by the Resource Conservation and Recovery Act (RCRA) 40CFR 261. Dispose of in accordance with federal, state and local regulations.

Section 14: Transport Information

D.O.T. REQUIREMENTS (49CFR 172.101):

The following is not required by D.O.T. when shipped in containers less than 119 gallons, except when shipped by vessel or aircraft. A flammable classification is required when shipped by vessel or aircraft. (See CFR29 173.150)

UN1993, Flammable Liquid N.O.S., 3, PG III, (Petroleum Distillates)

Section 15: Regulatory Information

RQ (REPORTABLE QUANTITY) 49CFR 172.101: None
TSCA (Toxic Substances Control Act) Status: The intentional ingredients of this product are listed.
CERCLA RQ - 40CFR 302.4: None
SARA 302 COMPONENTS - 40CFR 355 Appendix A: None
SECTION 311/312 HAZARD CLASS - 40CFR 370.2

Immediate	(X)	Reactive	()
Delayed	(X)	Sudden Release of Pressure	()
Fire	(X)		

SARA 313 COMPONENTS - 40CFR 372.65:

WORKPLACE HAZARDOUS INFORMATION SYSTEM (WHMIS)

<u>Ingredient</u>	<u>Max. % By Wt.</u>	<u>LD50</u>	<u>LC50</u>
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Petroleum Distillates	64742-47-8	85-95	Not Established	Not Established
Hydrogenated Hydrocarbon Resin		10-15	Not Established	Not Established

CALIFORNIA PROPOSITION 65: None

Section 16: Other Information

Although the information contained herein is believed to be reliable, it is furnished without warranty of any kind. This information is not intended to be all-inclusive as to the manner and conditions of use, handling, and storage.