



Safety Data Sheet

Date SDS Printed & Reviewed: 10/31/17
Last Formula Revision Date: 12/19/16

1. IDENTIFICATION

Product Identifier

Product Name Petra Headlight Restoration
Light Restoration and Repair Coating (1.5 oz Net Fill Wt.)

Recommended Use of the Chemical Aerosol Spray

Details of the Supplier of the Safety Data Sheet

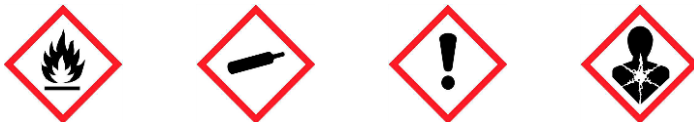
Petra Oil Company, Inc.
11085 Regency Green Dr.
Cypress, TX 77429 USA

Emergency 24-Hour Telephone Numbers

Company Number 713-856-5700
24-Hour Emergency Phone Number CHEMTREC 24 Hour 1-800-424-9300,
1-703-527-3887 (International)

2. HAZARDS IDENTIFICATION

Hazard Pictograms



GHS02 Flame, GHS04 Gas Cylinder, GHS07 Exclamation Mark, GHS08 Health Hazard

Classification of the Substance of Mixture

Flammable Aerosols	Category 1
Gasses Under Pressure	Category Compressed Liquid
Aspiration Hazard	Category 1
Skin Corrosion/Irritation	Category 2
Sensitization - Skin	Category 1, 1A, 1B
Serious Eye Damage/Eye Irritation	Category 2A
Acute Toxicity - Inhalation	Category 4
Specific Target Organ Toxicity - Single Exposure	Category 3
Reproductive Toxicity	Category 2
Specific Target Organ Toxicity - Repeated Exposure	Category 2
Percentage of the mixture consisting of ingredient(s) of unknown toxicity	14%

Signal Word

Danger

Hazard Statements

H222 Extremely flammable aerosol.

Petra Oil Company, Inc. – Petra Headlight Restoration SDS

- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements – General & Prevention

- 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/sparks/open flames/other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Pressurized container: Do not pierce or burn, even after use.
- P261 Avoid breathing vapor/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear eye protection.

Precautionary Statements – Response

- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P304+P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P331 Do NOT induce vomiting.
- P333+P313 IF skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 IF eye irritation persists: Get medical advice/attention.
- P363 Wash contaminated clothing before reuse

Precautionary Statements – Storage

- P403+P233 Store in a well-ventilated place. Keep container tightly closed when not in use.
- P410+P403 Protect from sunlight. Store in a well-ventilated place.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 degrees C/122 degrees F.

Precautionary Statements – Disposal

- P501 Dispose of contents/container in accordance with local/regional/national regulations.

Percentage of The Mixture Consisting of Ingredient(S) of Unknown Toxicity

14%

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS #	% by Wt.
Acetone	67-64-1	30-36
N-Butyl Acetate	123-86-4	15-21
Propane	74-98-6	15-21
N-Butane	106-97-8	8-10
*Toluene	108-88-3	3-5
Methyl Isobutyl Ketone	108-10-1	3-5

1,6-Hexanediol Diacrylate	13048-33-4	3-5
PM Acetate	108-65-6	1-3
Phenyl Bis (2,4,6-Trim.) – Phosphine Oxide	162881-26-7	1-3

*Toluene - Refer to Section 15

4. FIRST AID MEASURES

- Inhalation** If inhaled: Move person to fresh air and keep in comfortable position for breathing.
If breathing difficulty persists: Get medical advice/attention.
- Skin Contact** If on skin: Wash with plenty of soap and water. Remove contaminated clothing and wash before reuse.
If skin irritation persists: Get medical advice/attention.
- Eye Contact** If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion** If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting unless directed to do so by medical personnel.

Most Important Symptoms and Effects, Both Acute and Delayed

See Section 11: Toxicological Information and effects.

Indication of Any Immediate Medical Attention and Special Treatment Required

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO2 (Carbon Dioxide), dry chemical, or water fog.

Unsuitable Extinguishing Media

Water spray may be unsuitable. However, if water is used fog nozzles are preferable.
Water may be used to cool closed containers to prevent pressure build-up and explosion when exposed to extreme heat.

Specific Hazards Arising from the Chemical

Closed containers exposed to heat from fire may build pressure and explode. Products of combustion may include but are not limited to: oxides of carbon.

Special Protective Equipment and Precautions for Fire-Fighters

Full protective equipment including self-contained breathing apparatus should be used.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** Use personal protection recommended in Section 8.
- Environmental Precautions** Prevent contamination of soil/ground, waterways, drains, and sewers.
- Methods of Containment** Absorb spilled liquid in suitable material.
- Methods for Clean-Up** Use spark-proof tools to sweep or scrape up, containerize, and dispose of properly.
- Other Information** Ensure adequate ventilation. See Section 13 for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advise on Safe Handling

Vapors may ignite explosively. Prevent buildup of vapors. Keep from sparks, heat, flame or other heat sources. Do not smoke. Turn off pilot lights, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Do not puncture or incinerate/burn container. Keep container tightly closed while not in use.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions

Store in dry, well-ventilated area and in accordance with federal, state, and local regulations. Do not expose to heat or store at temperatures above 50 degrees C / 122 degrees F. If storing in cold temperatures, allow product to warm to room temperature before use. Keep container tightly closed and away from heat and sunlight when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Component	ACGIH TLV-STEL	ACGIH TLV-TWA	OSHA PEL-TWA
Acetone	750 ppm	500 ppm	1000 ppm
N-Butyl Acetate	200 ppm	150 ppm	150 ppm
Propane	1800 ppm	2500 ppm	1000 ppm
N-Butane	N/E	800 ppm	800 ppm
*Toluene	N/E	50.0 ppm	200.0 ppm
Methyl Isobutyl Ketone	N/E	100 ppm	410 mg/m ³
1,6-Hexanediol Diacrylate	N/E	N/E	N/E
PM Acetate	N/E	N/E	N/E
Phenyl Bis (2,4,6-Trim.) – Phosphine Oxide	N/E	N/E	N/E

*Toluene - Refer to Section 15

Appropriate Engineering Controls

Engineering Controls Provide adequate ventilation to keep air contamination below OSHA permissible exposure limits and ACGIH TLV exposure levels.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Wear safety glasses with side shields. Have eye wash facilities immediately available.

Skin Protection Wear chemical resistant gloves (neoprene or butyl rubber) if contact is likely.

Respiratory Protection Use NIOSH-approved air-purifying respirator with organic cartridge or canister if exposure cannot be controlled within applicable limits with ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Aerosol - Pressurized Liquid	Odor	Solvent Odor
Color	See product identification	Odor Threshold	No data available

<u>Property</u>	<u>Value</u>
pH	No data available
Freezing Point	Not Established (mixture)
Boiling Point	Not Applicable (pressurized mixture)
Flash Point	Less than -18 degrees C (less than -0.4 degrees F), c.c.
Evaporation Rate	Faster than ether
Flammability (solid, gas)	Not Applicable
Upper Flammability Limit	Not Established (mixture)
Lower Flammability Limit	Not Established (mixture)
Vapor Pressure	Not Established (pressurized mixture)
Vapor Density	Not Applicable
Specific Gravity	0.764
Solubility (Water)	Negligible
Partition Coefficient	Not Applicable
Auto-Ignition Temperature	Not Applicable
Decomposition Temperature	Not Applicable
Viscosity	Not Applicable
VOC Percent by Weight	53.45
HAPs Percent by Weight	7.22
MIR EPA Number	0.813
MIR Ca Number	0.741

10. STABILITY AND REACTIVITY

Chemical Stability

Stable under normal conditions.

Possibility of Hazardous Reactions

Will not occur.

Conditions to Avoid

Keep away from heat, sparks, and flames.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

By fire - Carbon Dioxide and Carbon Monoxide

11. TOXICOLOGICAL INFORMATION

Information on Likely Route of Exposure

Likely Routes of Entry

Skin contact, Inhalation, Eye contact, Ingestion

Signs and Symptoms of Exposure

Skin Contact	Signs/symptoms may include localized redness, itching, drying and cracking of skin.
Inhalation	Intentional concentration and inhalation may be harmful or fatal.
Eye Contact	Signs/symptoms may include significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.
Ingestion	Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

Target Organs Potentially Affected by Exposure

Central nervous system, kidneys, lungs, liver, eyes, skin, brain, respiratory tract, urinary tract, reproductive system, cardiovascular system

Toxicological Data

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Acetone	5800 mg/kg (rat)	20000 mg/kg (rabbit)	76 mg/L (rat) 4 h
N-Butyl Acetate	>10,760 mg/kg (rat)	>14,112 mg/kg (rabbit)	>21 mg/L (rat) 4 h
Propane	N/E	N/E	658 mg/L (rat) 4 h
N-Butane	N/E	N/E	30957 mg/m3 (rat) 4 h
*Toluene	5580 mg/kg (rat)	12267 mg/kg (rabbit)	>20 mg/L (rat) 4 h
Methyl Isobutyl Ketone	N/E	N/E	N/E
1,6-Hexanediol Diacrylate	N/E	N/E	N/E
PM Acetate	>5000 mg/kg (rat)	>5000 mg/kg (rabbit)	>10.8 mg/L (rat) 6 h
Phenyl Bis (2,4,6-Trim.) – Phosphine Oxide	N/E	N/E	N/E

*Toluene - Refer to Section 15

12. ECOLOGICAL INFORMATION

No Data Available.

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes

Dispose of container and its contents in accordance with federal, state, and local regulations. Do not puncture, incinerate, or place container in trash compactor.

14. TRANSPORT INFORMATION

Ground (D.O.T./49 CFR)

UN I.D. Number **UN1950** Transport Hazard Class: 2.1 Packing Group: - (not applicable)
Proper Shipping Name AEROSOLS (“, FLAMMABLE” is optional to add after AEROSOLS)
Hazard Label Limited Quantity (LTD QTY) label -- see 49 CFR 172.315
Shipping Papers Format UN1950, AEROSOLS, 2.1, LTD QTY (can add “, FLAMMABLE” after AEROSOLS)

Air (IATA)

UN I.D. Number **UN1950** Transport Hazard Class: 2.1 Packing Group: - (not applicable)
Proper Shipping Name AEROSOLS, FLAMMABLE Packing Instruction: Y203
Hazard Labels LTD QTY label with "Y" in it, and Flammable Gas label
Shipping Papers Format UN1950, AEROSOLS, FLAMMABLE, 2.1 (Note LTD QTY not needed on papers)

Water (IMDG)

UN I.D. Number **UN1950** Transport Hazard Class: 2.1 Packing Group: - (not applicable)
Proper Shipping Name AEROSOLS Hazard label: LTD QTY label (see IMDG 3.4.5.1)
Packing Instruction P003, LP02 EmS: F-D,S-U Stowage and Segregation: Category A
Shipping Papers Format UN1950, AEROSOLS, 2.1, (-18 C c.c.), LTD QTY

No component of this product is a listed Marine Pollutant (49 CFR 172,101,Appendix B).

15. REGULATORY INFORMATION

International Chemical Inventory

All components of this product are listed on or exempt from the following inventories:
TSCA (United States), CEPA/DSL (Canada), AICS (Australia), IECSC (China)

SARA Section 313 Toxic Chemicals

*TOLUENE 108-88-3, METHYL ISOBUTYL KETONE 108-10-1
Chemicals listed above are subject to the SARA reporting requirements under 40 CFR 372.45(c)(5).

California Prop65 Chemicals

*TOLUENE 108-88-3, METHYL ISOBUTYL KETONE 108-10-1
*California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

16. OTHER INFORMATION

Revision Date 12/19/16

HMIS & NFPA Hazard Scale

0=minimal, 1=slight, 2=moderate, 3=serious, 4=severe

HMIS (American Coatings Association's Hazardous Material Identification System)

Health = 2 Flammability = 4 Physical Hazard = 1

NFPA 704(National Fire Protection Association's Hazard Identification Ratings System)

Health = 2 Flammability = 4 Instability = 1

Disclaimer

This SDS is based on information believed to be reliable and accurate. Because of changing reporting requirements and other variables, it is impossible to guarantee with complete accuracy all the information contained in this document. It is the responsibility of the user to determine proper personal protection based on actual condition of use and to comply with all federal, state, and local laws and regulations.

End of Safety Data Sheet