

Naviguard Headlight Restore Kit

Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name Headlight Restore Kit

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cleaning

1.3. Details of the supplier of the safety data sheet

Newer Lights
1146 Rosewood Lane
Lancaster, TX 75146
T 214-687-2718

1.4. Emergency telephone number

No additional information available

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Repr. 1B H360
STOT RE 1 H372

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS08

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H360 - May damage fertility or the unborn child
H372 - Causes damage to organs through prolonged or repeated exposure

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P308+P313 - If exposed or concerned: Get medical advice/attention
P314 - Get medical advice/attention if you feel unwell
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Naviguard Headlight Restore kit

Safety Data Sheet

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|---|---------------------|--------------|---|
| Solvent naphtha, petroleum, medium aliphatic | (CAS No) 64742-88-7 | Trade Secret | Not classified |
| 1-Butoxy-2-propanol | (CAS No) 5131-66-8 | Trade Secret | Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |
| Naphtha, petroleum, heavy alkylate | (CAS No) 64741-65-7 | Trade Secret | Not classified |
| Ethylene glycol | (CAS No) 107-21-1 | Trade Secret | Acute Tox. 4 (Oral), H302 |
| 1-Methyl-2-pyrrolidone | (CAS No) 872-50-4 | Trade Secret | Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Repr. 1B, H360 STOT SE 3, H335 |
| 2-Propanol, 1-(2-butoxy-1-methylethoxy)- | (CAS No) 29911-28-2 | Trade Secret | Not classified |
| Dipropylene glycol monomethyl ether | (CAS No) 34590-94-8 | Trade Secret | Flam. Liq. 4, H227 |
| Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol | (CAS No) 9014-85-1 | Trade Secret | Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 |

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If affected, remove from exposure. Give artificial respiration if not breathing.
- First-aid measures after skin contact : For skin contact flush with large amounts of water. Seek medical attention.
- First-aid measures after eye contact : Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention or advice.
- First-aid measures after ingestion : Do not induce vomiting. Get medical attention immediately.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : May cause irritation of the upper respiratory system.
- Symptoms/injuries after skin contact : May cause skin irritation.
- Symptoms/injuries after eye contact : May cause eye irritation.
- Symptoms/injuries after ingestion : Not a likely route of exposure under normal product use conditions. May cause gastrointestinal irritation if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon Dioxide, Dry Chemical, or Alcohol Foam
- Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.
- Explosion hazard : Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.
- Reactivity : None.

5.3. Advice for firefighters

- Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

None.

Naviguard Headlight Restore kit

Safety Data Sheet

6.3. Methods and material for containment and cleaning up

- For containment : If possible, stop flow of product.
Methods for cleaning up : Remove all sources of ignition. Confine spill and soak up with absorbent. Place in an approved container and dispose in accordance with local, state and federal regulations.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin and eyes. Wash thoroughly after handling. Keep container closed.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep the container tightly closed and in a cool, well-ventilated place.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Ethylene glycol (107-21-1) | | |
|----------------------------|------------------------------------|--------------------------------------|
| ACGIH | ACGIH Ceiling (mg/m ³) | 100 mg/m ³ (aerosol only) |

| Dipropylene glycol monomethyl ether (34590-94-8) | | |
|--|-------------------------------------|-----------------------|
| ACGIH | ACGIH TWA (ppm) | 100 ppm |
| ACGIH | ACGIH STEL (ppm) | 150 ppm |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 600 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |

8.2. Exposure controls

- Appropriate engineering controls : Use local exhaust ventilation.
Hand protection : Use impervious gloves.
Eye protection : Wear safety glasses with side shields.
Skin and body protection : Wear suitable working clothes.
Respiratory protection : If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
Color : White to brown
Odor : Slight
Odor threshold : No data available
pH : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : No data available
Explosion limits : No data available
Explosive properties : No data available
Oxidizing properties : No data available
Vapor pressure : No data available
Relative density : No data available
Relative vapor density at 20 °C : No data available

Naviguard Headlight Restore kit

Safety Data Sheet

| | |
|---------------------------|---------------------|
| Solubility | : No data available |
| Log Pow | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

None.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

None.

10.6. Hazardous decomposition products

Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Solvent naphtha, petroleum, medium aliphatic (64742-88-7) | |
|--|----------------------------|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | 3000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.28 mg/l/4h |
| ATE US (dermal) | 3000.000 mg/kg |
| 1-Butoxy-2-propanol (5131-66-8) | |
| LD50 oral rat | 1900 mg/kg |
| ATE US (oral) | 1900.000 mg/kg body weight |
| Naphtha, petroleum, heavy alkylate (64741-65-7) | |
| LD50 oral rat | > 7000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 inhalation rat (mg/l) | > 5.04 mg/l/4h |
| 1-Methyl-2-pyrrolidone (872-50-4) | |
| LD50 oral rat | 3914 mg/kg |
| LD50 dermal rabbit | 8 g/kg |
| LC50 inhalation rat (mg/l) | 3.1 mg/l/4h |
| ATE US (oral) | 3914.000 mg/kg body weight |
| ATE US (dermal) | 8000.000 mg/kg body weight |
| ATE US (vapors) | 3.100 mg/l/4h |
| ATE US (dust, mist) | 3.100 mg/l/4h |
| Ethylene glycol (107-21-1) | |
| LD50 oral rat | 4700 mg/kg |
| LD50 dermal rat | 10600 mg/kg |
| ATE US (oral) | 500.000 mg/kg body weight |

Naviguard Headlight Restore kit

Safety Data Sheet

| 2-Propanol, 1-(2-butoxy-1-methylethoxy)-(29911-28-2) | |
|---|----------------|
| LD50 oral rat | 1620 µl/kg |
| LC50 inhalation rat (ppm) | 42.1 ppm/4h |
| ATE US (gases) | 42.100 ppmV/4h |

| Dipropylene glycol monomethyl ether (34590-94-8) | |
|---|----------------------------|
| LD50 oral rat | 5400 µl/kg |
| LD50 dermal rabbit | 9500 mg/kg |
| ATE US (oral) | 5230.000 mg/kg body weight |
| ATE US (dermal) | 9500.000 mg/kg body weight |

| | |
|-----------------------------------|------------------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Not classified |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : May cause genetic defects. |
| Carcinogenicity | : Not classified |

| Solvent naphtha, petroleum, medium aliphatic (64742-88-7) | |
|--|---------------------------------|
| National Toxicology Program (NTP) Status | 1 - Evidence of Carcinogenicity |

| | |
|--|---|
| Reproductive toxicity | : May damage fertility or the unborn child. |
| Specific target organ toxicity (single exposure) | : Not classified |

| | |
|--|---|
| Specific target organ toxicity (repeated exposure) | : Causes damage to organs through prolonged or repeated exposure. |
|--|---|

| | |
|-------------------|------------------|
| Aspiration hazard | : Not classified |
|-------------------|------------------|

SECTION 12: Ecological information

12.1. Toxicity

| Solvent naphtha, petroleum, medium aliphatic (64742-88-7) | |
|--|--|
| LC50 fish 1 | 800 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 1 | > 100 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

| Naphtha, petroleum, heavy alkylate (64741-65-7) | |
|--|--|
| EC50 Daphnia 1 | 2 mg/l (Exposure time: 48 h - Species: Mysidopsis bahia) |

| 1-Methyl-2-pyrrolidone (872-50-4) | |
|--|---|
| LC50 fish 1 | 832 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 1 | 4897 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | 1072 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |

| Ethylene glycol (107-21-1) | |
|-----------------------------------|--|
| LC50 fish 1 | 41000 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 46300 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | 14 - 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |

| 2-Propanol, 1-(2-butoxy-1-methylethoxy)-(29911-28-2) | |
|---|--|
| LC50 fish 1 | 841 mg/l (Exposure time: 96 h - Species: Poecilia reticulata [static]) |

| Dipropylene glycol monomethyl ether (34590-94-8) | |
|---|--|
| LC50 fish 1 | > 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static]) |
| EC50 Daphnia 1 | 1919 mg/l (Exposure time: 48 h - Species: Daphnia magna) |

12.2. Persistence and degradability

No additional information available

Naviguard Headlight Restore kit

Safety Data Sheet

12.3. Bioaccumulative potential

| | |
|--|----------------------------|
| Solvent naphtha, petroleum, medium aliphatic (64742-88-7) | |
| BCF fish 1 | (bioaccumulation expected) |
| 1-Methyl-2-pyrrolidone (872-50-4) | |
| Log Pow | -0.46 (at 25 °C) |
| Ethylene glycol (107-21-1) | |
| Log Pow | -1.93 |
| Dipropylene glycol monomethyl ether (34590-94-8) | |
| Log Pow | -0.064 (at 20 °C) |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

| | |
|------------------------------|--|
| Effect on ozone layer | : No additional information available |
| Effect on the global warming | : No known ecological damage caused by this product. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--------------------------------|---|
| Waste disposal recommendations | : Dispose of contents/container in accordance with local/regional/national/international regulations. |
|--------------------------------|---|

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

| | |
|--|--|
| Solvent naphtha, petroleum, medium aliphatic (64742-88-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 1-Butoxy-2-propanol (5131-66-8) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Naphtha, petroleum, heavy alkylate (64741-65-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 1-Methyl-2-pyrrolidone (872-50-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| EPA TSCA Regulatory Flag | T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA. |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Ethylene glycol (107-21-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313 | |
| EPA TSCA Regulatory Flag | Y2 - Y2 - indicates an exempt polymer that is a polyester and is made only from reactants included in a specified list of low concern reactants that comprises one of the eligibility criteria for the exemption rule. |
| SARA Section 313 - Emission Reporting | 1.0 % |
| 2-Propanol, 1-(2-butoxy-1-methylethoxy)- (29911-28-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Polyoxyethylene 2,4,7,9-tetramethyl-5-decyne-4,7-diol (9014-85-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |

Naviguard Headlight Restore kit

Safety Data Sheet

Dipropylene glycol monomethyl ether (34590-94-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

15.2. US State regulations

1-Methyl-2-pyrrolidone (872-50-4)

| | | | | |
|---|---|---|---|----------------------------------|
| U.S. - California - Proposition 65 - Carcinogens List | U.S. - California - Proposition 65 - Developmental Toxicity | U.S. - California - Proposition 65 - Reproductive Toxicity - Female | U.S. - California - Proposition 65 - Reproductive Toxicity - Male | No significant risk level (NSRL) |
| No | Yes | No | No | |

Solvent naphtha, petroleum, medium aliphatic (64742-88-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

1-Methyl-2-pyrrolidone (872-50-4)

U.S. - Massachusetts - Right To Know List
 U.S. - Minnesota - Hazardous Substance List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

Ethylene glycol (107-21-1)

U.S. - Massachusetts - Right To Know List
 U.S. - Minnesota - Hazardous Substance List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

Dipropylene glycol monomethyl ether (34590-94-8)

U.S. - Massachusetts - Right To Know List
 U.S. - Minnesota - Hazardous Substance List
 U.S. - New Jersey - Right to Know Hazardous Substance List
 U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

| | |
|-------------------------------------|--|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 4 | Flammable liquids Category 4 |
| Muta. 1B | Germ cell mutagenicity Category 1B |
| Repr. 1B | Reproductive toxicity Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT RE 1 | Specific target organ toxicity (repeated exposure) Category 1 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H340 | May cause genetic defects |
| H360 | May damage fertility or the unborn child |
| H372 | Causes damage to organs through prolonged or repeated exposure |

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product