

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Page 1/10

Issue date 05/29/2024

Reviewed on 05/29/2024

### \* 1 Identification

- **Product Identifier**
- **Trade Name: Formula 1 Headlight Restorer & Polish**
- **Product Number: 8 oz.:** 613913, 615874
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Headlight Restorer & Polish
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
WEST DRIVE, LLC  
1045 W. GLEN OAKS LN, SUITE 202  
MEQUON, WI 53092  
PHONE: 800-790-8216
- **Emergency telephone number:** 800-790-8216

### 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Health hazard

Aspiration Hazard 1

H304 May be fatal if swallowed and enters airways.



Acute Toxicity - Inhalation 4 H332 Harmful if inhaled.

Skin Irritation 2 H315 Causes skin irritation.

Aquatic Acute 3 H402 Harmful to aquatic life.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard statements:**  
H332 Harmful if inhaled.  
H315 Causes skin irritation.  
H304 May be fatal if swallowed and enters airways.  
H402 Harmful to aquatic life.
- **Precautionary statements:**  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves.  
P301+P310 If swallowed: Immediately call a poison center/doctor.  
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
P331 Do NOT induce vomiting.

(Contd. on page 2)

## Safety Data Sheet (SDS)

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Issue date 05/29/2024

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**Trade Name: Formula 1 Headlight Restorer & Polish**

- P302+P352 If on skin: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a poison center/doctor if you feel unwell.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values. 25.7 % of the mixture consists of component(s) of unknown toxicity.

- **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme
- **NFPA ratings (scale 0 - 4)**



- **HMIS-ratings (scale 0 - 4)**



- **Hazard(s) not otherwise classified (HNOC):** None known

### \* 3 Composition/Information on Ingredients

- **Chemical characterization: Substance**
- **Description:** Mixture of substances listed below with non-hazardous additions.

• **Components:**

CAS: 1332-58-7	Kaolin ⚠ Acute Toxicity - Inhalation 4, H332	15-35%
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Aspiration Hazard 1, H304; ⚠ Skin Irritation 2, H315; <u>Specific Target Organ Toxicity - Single Exposure 3, H336; Flammable Liquids 4, H227</u>	5-20%
CAS: 63148-62-9 RTECS: JT6485000	Polydimethylsiloxane Eye Irritation 2B, H320	2-12%
CAS: 71750-79-3	Siloxanes and Silicones, 3-((2-aminoethyl)amino)propyl Me, di-Me ⚠ Acute Toxicity - Dermal 4, H312; Skin Irritation 2, H315; Eye Irritation 2A, H319; <u>Aquatic Acute 2, H401</u>	2-12%
CAS: 56-81-5 RTECS: MA 8050000	Glycerol	≤2.5%
CAS: 8042-47-5	White mineral oil, petroleum	≤2.5%

• **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

### \* 4 First-Aid Measures

- **Description of first aid measures**
- **General information:** If symptoms persist, call a physician.

(Contd. on page 3)

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- **After inhalation:**  
If difficulty or discomfort in breathing is experienced, remove to fresh air and seek medical attention.
- **After skin contact:**  
If skin irritation occurs, consult a doctor.  
Wash with water or soap and water.
- **After eye contact:**  
If eye irritation occurs, consult a doctor.  
Rinse opened eye for several minutes under running water.  
Flush with water for 15 minutes. If irritation persists get medical attention.
- **After swallowing:**  
If swallowed and symptoms occur, consult a doctor.  
Do not induce vomiting. Contact a physician and/or local poison control center.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:**  
Kaolin: Prolonged inhalation of excessive levels of kaolin may cause a benign pneumoconiotic condition, not normally associated with a decrement in lung function. In cases of long-term exposure to extremely high levels of dust, progressive fibrosis may occur with lung function impairment.
- **Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

### 5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**  
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

### \* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**  
Wash thoroughly after handling. Keep from freezing.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of contaminated material as waste according to section 13.  
Ensure adequate ventilation.  
Dispose of the collected material according to regulations.
- **Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

• **PAC-1:**

63148-62-9	Polydimethylsiloxane	65 mg/m <sup>3</sup>
56-81-5	Glycerol	45 mg/m <sup>3</sup>
102-71-6	Triethanolamine	15 mg/m <sup>3</sup>

(Contd. on page 4)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/29/2024

Reviewed on 05/29/2024

**Trade Name: Formula 1 Headlight Restorer & Polish**

<b>· PAC-2:</b>		
63148-62-9	Polydimethylsiloxane	720 mg/m <sup>3</sup>
56-81-5	Glycerol	180 mg/m <sup>3</sup>
102-71-6	Triethanolamine	240 mg/m <sup>3</sup>
<b>· PAC-3:</b>		
63148-62-9	Polydimethylsiloxane	4,300 mg/m <sup>3</sup>
56-81-5	Glycerol	1,100 mg/m <sup>3</sup>
102-71-6	Triethanolamine	1,500 mg/m <sup>3</sup>

### 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Wash thoroughly after handling. Keep from freezing.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s):** No further relevant information available.

### \* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with occupational exposure limits:**  
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.  
At this time, the other constituents have no known exposure limits.

<b>1332-58-7 Kaolin</b>	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup> *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m <sup>3</sup> *total dust **respirable fraction
TLV	Long-term value: 2* mg/m <sup>3</sup> E; respirable particulate matter, A4
<b>64742-47-8 Distillates (petroleum), hydrotreated light</b>	
OSHA PEL	Long-term value: 5 mg/m <sup>3</sup>
<b>56-81-5 Glycerol</b>	
PEL	Long-term value: 15* 5** mg/m <sup>3</sup> mist; *total dust **respirable fraction
TLV	TLV withdrawn-insufficient data human occup. exp.

(Contd. on page 5)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/29/2024

Reviewed on 05/29/2024

**Trade Name: Formula 1 Headlight Restorer & Polish**

<b>8042-47-5 White mineral oil, petroleum</b>	
ACGIH TLV	Short-term value: 10 mg/m <sup>3</sup> Long-term value: 5 mg/m <sup>3</sup>
OSHA PEL	Long-term value: 5 mg/m <sup>3</sup>

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:**



Safety glasses

· **Limitation and supervision of exposure into the environment:**

Keep away from drains, surface and ground waters.

Avoid release into the environment.

### \* 9 Physical and Chemical Properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

**Form:** Liquid

**Color:** White

· **Odor:** Mild

· **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** Not determined.

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Page 6/10

Issue date 05/29/2024

Reviewed on 05/29/2024

**Trade Name: Formula 1 Headlight Restorer & Polish**

- **Flash point:** >93 °C (>199.4 °F)
- **Flammability (solid, gaseous):** Not applicable.
- **Auto igniting:** Not applicable
- **Decomposition temperature:** Not determined.
- **Ignition temperature:** Product is not self-igniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
  - Lower:** Not determined.
  - Upper:** Not determined.
- **Vapor pressure:** Not determined.
- **Density:** Not determined.
- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.
- **Solubility in / Miscibility with:**
  - Water:** Miscible
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Other information:** No further relevant information available.

**10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Product is stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Avoid contact with materials that are strong oxidizers and/or strong acids.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

**\* 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

<b>LD/LC50 values that are relevant for classification:</b>		
<b>1332-58-7 Kaolin</b>		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rat)
Inhalative	LC50/4 h	>2 mg/l (Rat)
<b>64742-47-8 Distillates (petroleum), hydrotreated light</b>		
Oral	LD50	>5,000 mg/kg (Rat)

(Contd. on page 7)

## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/29/2024

Reviewed on 05/29/2024

**Trade Name: Formula 1 Headlight Restorer & Polish**

Dermal	LD50	>2,000 mg/kg (rabbit)
<b>71750-79-3 Siloxanes and Silicones, 3-((2-aminoethyl)amino)propyl Me, di-Me</b>		
Oral	LD50	5,000 mg/kg (Rat)
Dermal	LD50	2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	105 mg/l (Rat)
<b>56-81-5 Glycerol</b>		
Oral	LD50	12,600 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/96 hours	>50,000 mg/l (Trout)
<b>8042-47-5 White mineral oil, petroleum</b>		
Oral	LD50	>5,000 mg/kg (Rat)

• **Primary irritant effect:**

- **On the skin:** No irritating effect.
- **On the eye:** No irritating effect.

• **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Harmful

• **Carcinogenic categories:**

• **IARC (International Agency for Research on Cancer):**

- Group 1 - Carcinogenic to humans
- Group 2A - Probably carcinogenic to humans
- Group 2B - Possibly carcinogenic to humans
- Group 3 - Not classifiable as to its carcinogenicity to humans
- Group 4 - Probably not carcinogenic to humans

102-71-6	Triethanolamine	3
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• **NTP (National Toxicology Program):**

None of the ingredients are listed.

• **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**\*12 Ecological Information**

• **Toxicity:**

• **Aquatic toxicity:**

Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

<b>64742-47-8 Distillates (petroleum), hydrotreated light</b>		
EC50	25 mg/l (Trout) (OECD Test Guideline 203, 96 hour, Static Test)	

• **Persistence and degradability:** No further relevant information available.

• **Behavior in environmental systems:**

• **Bioaccumulative potential:** No further relevant information available.

• **Mobility in soil:** No further relevant information available.

• **Ecotoxicological effects:**

• **Remark:** Harmful to fish

• **Additional ecological information:**

• **General notes:** Harmful to aquatic organisms

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Issue date 05/29/2024

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- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

### \* 13 Disposal Considerations

- **Waste treatment methods**
- **Recommendation:**  
Must not be disposed of together with household waste. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport Information

- **UN-Number:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **UN proper shipping name:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Transport hazard class(es):**
- **DOT, ADR/ADN, ADN, IMDG, IATA**
- **Class:** Non-Regulated Material
- **Packing group:**
- **DOT, ADR/ADN, IMDG, IATA** Non-Regulated Material
- **Environmental hazards:** Not applicable.
- **Special precautions for user:** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- **UN "Model Regulation":** Non-Regulated Material

### \* 15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
No further relevant information available.
- **SARA (Superfund Amendments and Reauthorization):**

• **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

• **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

• **Hazardous Air Pollutants**

None of the ingredients are listed.

• **California Proposition 65:**

• **Chemicals known to cause cancer:**

None of the ingredients are listed.

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Issue date 05/29/2024

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<b>• Chemicals known to cause reproductive toxicity for females:</b>		
None of the ingredients are listed.		
<b>• Chemicals known to cause reproductive toxicity for males:</b>		
None of the ingredients are listed.		
<b>• Chemicals known to cause developmental toxicity:</b>		
None of the ingredients are listed.		
<b>• New Jersey Right-to-Know List:</b>		
1332-58-7	Kaolin	
56-81-5	Glycerol	
102-71-6	Triethanolamine	
<b>• New Jersey Special Hazardous Substance List:</b>		
None of the ingredients are listed.		
<b>• Pennsylvania Right-to-Know List:</b>		
1332-58-7	Kaolin	
56-81-5	Glycerol	
102-71-6	Triethanolamine	
<b>• Pennsylvania Special Hazardous Substance List:</b>		
None of the ingredients are listed.		
<b>• Carcinogenic categories:</b>		
<b>• EPA (Environmental Protection Agency):</b>		
None of the ingredients are listed.		
<b>• TLV (Threshold Limit Value established by ACGIH):</b>		
1332-58-7	Kaolin	2 mg/m <sup>3</sup>
<b>• NIOSH-Ca (National Institute for Occupational Safety and Health):</b>		
None of the ingredients are listed.		

**• GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

**• Hazard pictograms:**



**• Signal word:** Danger

**• Hazard statements:**

- H332 Harmful if inhaled.
- H315 Causes skin irritation.
- H304 May be fatal if swallowed and enters airways.
- H402 Harmful to aquatic life.

**• Precautionary statements:**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves.

## Safety Data Sheet (SDS)

Page 10/10

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2012 and GHS Rev 03.

Issue date 05/29/2024

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### Trade Name: Formula 1 Headlight Restorer & Polish

- P301+P310 If swallowed: Immediately call a poison center/doctor.  
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).  
P331 Do NOT induce vomiting.  
P302+P352 If on skin: Wash with plenty of water.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a poison center/doctor if you feel unwell.  
P362+P364 Take off contaminated clothing and wash it before reuse.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### • **National regulations:**

The product is not subject to be labelled according with the prevailing version of the regulations on hazardous substances.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

#### • **Contact:**

#### • **Abbreviations and acronyms:**

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
NIOSH: National Institute for Occupational Safety and Health  
OSHA: Occupational Safety & Health Administration  
TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Flammable Liquids 4: Flammable liquids – Category 4  
Acute Toxicity - Inhalation 4: Acute toxicity – Category 4  
Skin Irritation 2: Skin corrosion/irritation – Category 2  
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A  
Eye Irritation 2B: Serious eye damage/eye irritation – Category 2B  
Specific Target Organ Toxicity - Single Exposure 3: Specific target organ toxicity (single exposure) – Category 3  
Aspiration Hazard 1: Aspiration hazard – Category 1  
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2  
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

#### • **\* Data compared to the previous version altered.**

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