

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Page 1/11

Date of issue: 10/08/2024

Revised on 10/08/2024

1 Identification

- **Product Identifier**
- **Trade Name: Formula 1 Ceramic Liquid Wax**
- **Other means of identification**
- **Product Number:** 16 – oz: 617029
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** No further relevant information available.
- **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 - oral 4 H302 Harmful if swallowed.

Flammable liquids 4 H227 Combustible liquid.

Eye irritation 2B H320 Causes eye irritation.

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



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Naphtha (petroleum), heavy alkylate
Kaolin
Distillates (petroleum), hydrotreated light
- **Hazard statements:**
H227 Combustible liquid.
H302 Harmful if swallowed.
H320 Causes eye irritation.
H304 May be fatal if swallowed and enters airways.
- **Precautionary statements:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P264 Wash thoroughly after handling.

(Contd. on page 2)

Safety Data Sheet

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.
- P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403 Store in a well-ventilated place.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Unknown acute toxicity:**

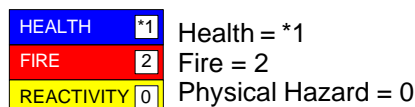
This value refers to knowledge of known, established toxicological or ecotoxicological values. 11 % of the mixture consists of component(s) of unknown toxicity.

• **Information pertaining to particular dangers for man and environment:**

- **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

• **Classification according to (d)(1)(ii) of § 1910.12000**

The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.

• **Hazards not otherwise classified**

There are no adverse physical or health effects known that are not covered by the hazard classes of the Hazard Communications Standard.




3 Composition/Information on Ingredients

• **Chemical characterization: Substance**

• **Description:**

Mixture of substances listed with non-hazardous additions and/or components that are less than listing threshold. All non-hazardous, components listed under threshold, and listed component total 100%.

• **Dangerous Components:**

CAS: 64741-65-7	Naphtha (petroleum), heavy alkylate  Flammable liquids 3, H226;  Acute toxicity - inhalation 3, H331;  Germ cell mutagenicity 1B, H340; Carcinogenicity 1B, H350; Aspiration hazard 1, H304	2-12% *
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(Contd. on page 3)

Safety Data Sheet

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

CAS: 1332-58-7	Kaolin ⚠ Acute toxicity - inhalation 4, H332	2-12% *
CAS: 64742-47-8	Distillates (petroleum), hydrotreated light ⚠ Aspiration hazard 1, H304; ⚠ Skin irritation 2, H315; Specific target organ toxicity (single exposure) 3, H336; Flammable liquids 4, H227	2-12% *
CAS: 63148-62-9 RTECS: JT6485000	Polydimethylsiloxane Eye irritation 2B, H320	≤2.5%
CAS: 67923-07-3	Aminoethylaminopropylmethoxysiloxane-Dimethylsiloxane Copolymers ⚠ Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	≤2.5%
CAS: 68155-20-4	N,N-Bis(2-hydroxyethyl)all oil acid amide ⚠ Eye irritation 2A, H319	≤2.5%

* Actual concentration ranges are withheld as a trade secret.

• **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.

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Wash with water and soap and rinse thoroughly.

If skin irritation occurs, consult a doctor.

• **After eye contact:**

Rinse opened eye for several minutes under running water.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

• **After swallowing:**

Contact a physician or Poison Control Center immediately.

Never give anything by mouth to an unconscious person.

If swallowed and symptoms occur, consult a 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:**

CO₂, 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:**

Combustible liquid. Vapors can travel to a source of ignition and flash back.

Explosive mixtures may occur at temperatures at or above flashpoint.

(Contd. on page 4)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Page 4/11

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

- **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:**
Provide adequate ventilation. Wear suitable protective clothing, gloves, and eye/face protection. Evacuate personnel to safe areas. Do not touch or walk through spilled material.
- **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.

• PAC-1:		
63148-62-9	Polydimethylsiloxane	65 mg/m ³
7440-21-3	Silicon	45 mg/m ³
• PAC-2:		
63148-62-9	Polydimethylsiloxane	720 mg/m ³
7440-21-3	Silicon	100 mg/m ³
• PAC-3:		
63148-62-9	Polydimethylsiloxane	4,300 mg/m ³
7440-21-3	Silicon	630 mg/m ³

- **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.

* **7 Handling and Storage**

- **Precautions for safe handling:**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eyewear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Handle in a well-ventilated work area.
- **Information about protection against explosions and fires:** Keep protective respiratory device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in original container. Keep container closed. Store in a cool, dry, well ventilated area. Avoid freezing or extended storage in high temperatures and away from incompatible materials.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

(Contd. on page 5)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Page 5/11

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **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.

1332-58-7 Kaolin

PEL	Long-term value: 15* 5** mg/m ³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV	Long-term value: 2* mg/m ³ E; respirable particulate matter, A4

64742-47-8 Distillates (petroleum), hydrotreated light

OSHA PEL	Long-term value: 5 mg/m ³
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- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Appropriate engineering controls** No further data; see section 7.
- **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.
Immediately remove all soiled and contaminated clothing and wash before reuse.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

- **Material of gloves:** Not applicable.
- **Penetration time of glove material:** Not applicable.
- **Eye protection:**



Tightly sealed goggles

- **Limitation and supervision of exposure into the environment:** None

* 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Physical state** Liquid
- **Color:** Opaque

(Contd. on page 6)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Page 6/11

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

· Odor:	Solvent
· Odor threshold:	Not determined.
· Melting point/Melting range:	Not determined.
· Boiling point/Boiling range:	Not determined.
· Flammability:	Not applicable.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	66.6 °C (151.9 °F)
· Auto igniting:	≥210 °C (≥410 °F)
· Decomposition temperature:	Not determined.
· pH-value:	Not determined.
· Viscosity:	
· Kinematic:	Not determined.
· Dynamic:	Not determined.
· Solubility in / Miscibility with:	
· Water:	Incsoluble
· Partition coefficient (n-octanol/water):	Not determined.
· Vapor pressure @ 20 °C (68 °F):	>.50 mmHg
· Vapor pressure:	
· Density @ 20 °C (68 °F):	0.97 g/cm ³ (8.0947 lbs/gal)
· Relative density:	0.978
· Vapor density:	Not determined.
· Particle characteristics	Not applicable.
· Other information:	
· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	8.0 %
· VOC content:	8.00 %
· Solids content:	19.2 %
· Change in condition	
· Evaporation rate:	Not determined.

*** 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:** No further relevant information available.
- **Incompatible materials:** Strong oxidizing materials
- **Hazardous decomposition products:**
Thermal decomposition products include carbon dioxide and Carbon Monoxide

(Contd. on page 7)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Page 7/11

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

11 Toxicological Information

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

· **LD/LC50 values that are relevant for classification:**

64741-65-7 Naphtha (petroleum), heavy alkylate

Oral	LD50	>6,000 mg/kg (Rat)
Dermal	LD50	>3,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>7.8 mg/l (Rat)

1332-58-7 Kaolin

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rat)
Inhalative	LC50/4 h	>2 mg/l (Rat)

64742-47-8 Distillates (petroleum), hydrotreated light

Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Carcinogenic
The product can cause inheritable damage.
- **Interactive effects** No interactive effects between components are known.
- **Carcinogenic categories:**

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

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

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

None of the ingredients are listed.

· **Alternative sources for toxicological information**

No non-standard sources for toxicological information where used.

12 Ecological Information

· **Toxicity:**

· **Aquatic toxicity:**

64742-47-8 Distillates (petroleum), hydrotreated light

EC50	25 mg/l (Trout)	(OECD Test Guideline 203, 96 hour, Static Test)
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- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.

(Contd. on page 8)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 10/08/2024

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Trade Name: Formula 1 Ceramic Liquid Wax

• **California Proposition 65:**

• Chemicals known to cause cancer:		
None of the ingredients are listed.		
• Chemicals known to cause reproductive toxicity for females:		
None of the ingredients are listed.		
• Chemicals known to cause reproductive toxicity for males:		
None of the ingredients are listed.		
• Chemicals known to cause developmental toxicity:		
None of the ingredients are listed.		
• New Jersey Right-to-Know List:		
1332-58-7	Kaolin	
7440-21-3	Silicon	
• New Jersey Special Hazardous Substance List:		
7440-21-3	Silicon	F3
• Pennsylvania Right-to-Know List:		
1332-58-7	Kaolin	
7440-21-3	Silicon	
• Pennsylvania Special Hazardous Substance List:		
None of the ingredients are listed.		

• **Carcinogenic categories:**

• EPA (Environmental Protection Agency):		
None of the ingredients are listed.		
• TLV (Threshold Limit Value established by ACGIH):		
1332-58-7	Kaolin	2 mg/m ³
• NIOSH-Ca (National Institute for Occupational Safety and Health):		
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-determining components of labeling:**

Naphtha (petroleum), heavy alkylate
Kaolin
Distillates (petroleum), hydrotreated light

• **Hazard statements:**

H227 Combustible liquid.
H302 Harmful if swallowed.
H320 Causes eye irritation.
H304 May be fatal if swallowed and enters airways.

Safety Data Sheet

Page 10/11

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

Precautionary statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- 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/hearing protection.
- P301+P310 If swallowed: Immediately call a poison center/doctor.
- P330 Rinse mouth.
- P331 Do NOT induce vomiting.
- P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use CO₂, powder or water spray to extinguish.
- P403 Store in a well-ventilated place.
- 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.

- Date of previous version** 10/08/2024
- Version number of previous version:** 2
- Date of preparation** 10/08/2024

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)
VOC: Volatile Organic Compounds (USA, EU)
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 3: Flammable liquids – Category 3
Flammable liquids 4: Flammable liquids – Category 4

(Contd. on page 11)

Safety Data Sheet

OSHA HazCom Standard 29 CFR 1910.1200(g) revised in 2024 and GHS Rev 07

Page 11/11

Date of issue: 10/08/2024

Revised on 10/08/2024

Trade Name: Formula 1 Ceramic Liquid Wax

Acute toxicity - inhalation 3: Acute toxicity – Category 3

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

Germ cell mutagenicity 1B: Germ cell mutagenicity – Category 1B

Carcinogenicity 1B: Carcinogenicity – Category 1B

Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3

Aspiration hazard 1: Aspiration hazard – Category 1

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

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