Safety Data Sheet

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

Date of issue: 07/02/2026 *Reviewed on 07/02/2026*

1 Identification

· ***Product identifier***

· ***Product name:*** **Brilliance**
· ***Other means of identification***

· ***Product number:*** 1250
· ***Relevant identified uses of the substance or mixture and uses advised against***
· ***Product Description:*** Stainless Steel Cleaner/Polish

· ***Details of the supplier of the safety data sheet***
· ***Manufacturer/Supplier:***
Perform Mfg
1624 S. 45th St.
Kansas City, KS 66106
Customer Service: 913-722-1557
E-Mail: sales@performmfg.com
· ***Emergency telephone number:*** Infotrac: US & Canada: 1-800-535-5053 | International 1-352-323-3500

2 Hazard(s) identification

· ***Classification of the substance or mixture***



GHS07

Sensitization - skin 1 H317 May cause an allergic skin reaction.

· ***Label elements***
· ***GHS label elements*** The product is classified and labeled according to the Globally Harmonized System (GHS).
· ***Hazard pictograms***



GHS07

· ***Signal word*** Warning

· ***Hazard-determining components of labeling:***
D-Limonene
· ***Hazard statements***
May cause an allergic skin reaction.
· ***Precautionary statements***
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
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.
0 % 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

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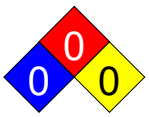
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· ***NFPA ratings (scale 0 - 4)***



Health = 0
Fire = 0
Reactivity = 0

· ***HMIS-ratings (scale 0 - 4)***



Health = 0
Fire = 0
Reactivity = 0

· ***Other hazards***
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable
· ***vPvB:*** Not applicable
· ***Classification according to (d)(1)(ii) of § 1910.1200***
The SDS issuer does not object to the classifications provided by importers or manufacturers of precursor products.
· ***Hazards not otherwise classified (HNOC)***
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: Mixtures***
· ***Description:*** Mixture of the substances listed below with nonhazardous additions.

· ***Dangerous components:***		
CAS: 5989-27-5 RTECS: GW 6360000	D-Limonene Flammable liquids 3, H226; Aspiration hazard 1, H304; Skin irritation 2, H315; Sensitization - skin 1B, H317	1–5%
CAS: 112-80-1 RTECS: RG 2275000	oleic acid, pure Skin irritation 2, H315; Eye irritation 2A, H319; Specific target organ toxicity (single exposure) 3, H335	1–5%
CAS: 8042-47-5	White mineral oil, petroleum Aspiration hazard 1, H304	1–5%

· ***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.
· ***After inhalation:***
Supply fresh air; consult doctor in case of complaints.
In case of unconsciousness place patient stably in side position for transportation.
· ***After skin contact:***
Wash with soap and water.
If skin irritation occurs, consult a doctor.
· ***After eye contact:***
Rinse opened eye under running water.
If eye irritation occurs, consult a doctor.
· ***After swallowing:*** If swallowed and symptoms occur, consult a doctor.
· ***Most important symptoms and effects, both acute and delayed*** No further relevant information available.

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· ***Indication of any immediate medical attention and special treatment needed*** Treat symptomatically.

5 Fire-fighting measures

· ***Extinguishing media***
· ***Suitable extinguishing agents:***
Use fire fighting measures that suit the environment.
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*** No further relevant information available.
· ***Advice for firefighters***
· ***Protective equipment:***
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***
Handle in accordance with good industrial hygiene and safety practice.
· ***For non-emergency personnel*** Use appropriate personal protection equipment (PPE).
· ***For emergency responders***
Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).
· ***Environmental precautions:***
Dilute with plenty of water.
Do not allow to enter sewers / surface or ground water.
· ***Methods and material for containment and cleaning up:***
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
· ***Protective Action Criteria for Chemicals***
Protective Action Criteria (PACs) are essential components for planning and response to uncontrolled releases of hazardous chemicals.
· ***PAC-1:***
PAC 1: Mild, transient health effects.

5989-27-5	D-Limonene	112 mg/m3
112-80-1	oleic acid, pure	75 mg/m3
63148-62-9	Polydimethylsiloxanes (PDMS)	80 mg/m3
1336-21-6	Ammonium Hydroxide	30 ppm
110-82-7	Cyclohexane	800 ppm

· ***PAC-2:***
PAC 2: Irreversible or other serious health effects that could impair the ability to take protective action.

5989-27-5	D-Limonene	150 mg/m3
112-80-1	oleic acid, pure	830 mg/m3
63148-62-9	Polydimethylsiloxanes (PDMS)	730 mg/m3
1336-21-6	Ammonium Hydroxide	160 ppm
110-82-7	Cyclohexane	1700 ppm

· ***PAC-3:***
PAC 3: Life-threatening health effects.

5989-27-5	D-Limonene	870 mg/m3
112-80-1	oleic acid, pure	5000 mg/m3

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63148-62-9	Polydimethylsiloxanes (PDMS)	4400 mg/m3
1336-21-6	Ammonium Hydroxide	1100 ppm
110-82-7	Cyclohexane	10000 ppm

· ***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.
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:***
Keep container closed when not in use.
Keep in properly labelled containers.
Store in a cool, dry place.
No special requirements.
· ***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

· ***Control parameters***
· ***Components with limit values that require monitoring at the workplace:***
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

5989-27-5 D-Limonene	
TLV	Long-term value: 3 ppm DSEN
TWA	Short-term value: 10 mg/m³
8042-47-5 White mineral oil, petroleum	
TWA	Short-term value: 5 mg/m³ Long-term value: 10 mg/m³

· ***Regulatory information*** TLV: Guide to Occupational Exposure Values (TLV)
· ***Additional information:*** The lists that were valid during the creation of this SDS were used as basis.

· ***Exposure controls***
Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Where acceptable concentrations cannot be maintained by general mechanical ventilation, local exhaust ventilation is recommended.
· ***Appropriate engineering controls*** No further data; see section 7.
· ***Personal protective equipment:***
· ***General protective and hygienic measures:***
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.

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· ***Breathing equipment:***
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· ***Protection of hands:***



Protective gloves

· ***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 can not 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 found out by the manufacturer of the protective gloves and has to be observed.
· ***Eye protection:***



Goggles recommended during refilling.

· ***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 White
· ***Odor:***	Characteristic
· ***Odor threshold:***	Not determined
· ***Melting point/Melting range:***	Undetermined
· ***Boiling point/Boiling range:***	100 °C (212 °F)
· ***Flammability:***	Not applicable
· ***Explosion limits:***	
· ***Lower:***	Not determined
· ***Upper:***	Not determined
· ***Flash point:***	Not applicable
· ***Decomposition temperature:***	Not determined
· ***pH-value at 20 °C (68 °F):***	5.5–8.5
· ***Viscosity:***	
· ***Kinematic:***	Not determined
· ***Dynamic:***	Not determined
· ***Solubility in / Miscibility with***	
· ***Water:***	Fully miscible.
· ***Partition coefficient (n-octanol/water):***	Not determined
· ***Vapor pressure at 20 °C (68 °F):***	23 hPa (17.3 mm Hg)
· ***Density at 20 °C (68 °F):***	0.98754–0.98779 g/cm³ (8.24102–8.24311 lbs/gal)
· ***Relative density***	Not determined
· ***Bulk density:***	984 kg/m³
· ***Vapor density***	Not determined
· ***Particle characteristics***	Not applicable

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· ***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:*** 3.2 %
· ***VOC content:*** 3.18 %
31.4 g/l / 0.26 lb/gal
· ***Change in condition***
· ***Oxidizing properties*** None
· ***Evaporation rate*** Not determined

10 Stability and reactivity

· ***Reactivity***
The product is stable under normal conditions.
No further relevant information available.
· ***Chemical stability*** 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 acids
Strong oxidizing agents.
· ***Hazardous decomposition products:*** Oxides of carbon (COx)

11 Toxicological information

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

· ***LD/LC50 values that are relevant for classification:***		
5989-27-5 D-Limonene		
Oral	LD50	4,400 mg/kg (Rat)
112-80-1 oleic acid, pure		
Oral	LD50	74,000 mg/kg (Rat)
8042-47-5 White mineral oil, petroleum		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rabbit)

· ***Primary irritant effect:***
· ***on the skin:*** No irritant effect.
· ***on the eye:*** No irritating effect.
· ***Sensitization:*** Sensitization possible through skin contact.
· ***Additional toxicological information:***
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
· ***Interactive effects*** No interactive effects between components are known.

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· ***Carcinogenic categories***

· ***IARC (International Agency for Research on Cancer)***		
5989-27-5	D-Limonene	3

· ***NTP (National Toxicology Program)***
None of the ingredients is listed.

· ***OSHA-Ca (Occupational Safety & Health Administration)***
None of the ingredients is listed.

· ***Alternative sources for toxicological information*** No non-standard sources for toxicological information were used.

12 Ecological information

· ***Toxicity***

· ***Aquatic toxicity:***	
5989-27-5 D-Limonene	
EC50	0.36 mg/kg (daphnia)

· ***Persistence and degradability*** No further relevant information available.
· ***Bioaccumulative potential*** No further relevant information available.
· ***Mobility in soil*** No further relevant information available.
· ***Results of PBT and vPvB assessment***
· ***PBT:*** Not applicable
· ***vPvB:*** Not applicable
· ***Other adverse effects***
· ***Additional ecological information:***
· ***General notes:***
Water hazard class 1 (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

· ***Waste treatment methods***
· ***Recommendation:***
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.
· ***Waste disposal key:*** The U.S. EPA has not published waste disposal numbers for this product's components.

· ***Uncleaned packagings:***
· ***Recommendation:*** Disposal must be made according to official regulations.
· ***Recommended cleansing agent:*** Water, if necessary with cleansing agents.

14 Transport information

· ***UN-Number***
· ***DOT, IMDG, IATA*** Non-Regulated Material
· ***UN proper shipping name***
· ***DOT, IMDG, IATA*** Non-Regulated Material
· ***Transport hazard class(es)***

· ***DOT, ADN, IMDG, IATA***
· ***Class*** Non-Regulated Material
· ***Packing group***
· ***DOT, IMDG, IATA*** Non-Regulated Material
· ***Environmental hazards:*** Not applicable

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· ***Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code*** Not applicable
· ***Special precautions for user*** Not applicable
· ***UN "Model Regulation":*** Non-Regulated Material

15 Regulatory information

· ***Safety, health and environmental regulations/legislation specific for the substance or mixture***
· ***Sara***

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

None of the ingredients is listed.

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

1336-21-6	Ammonium Hydroxide
110-82-7	Cyclohexane

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

7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
5989-27-5	D-Limonene	ACTIVE
112-80-1	oleic acid, pure	ACTIVE
8042-47-5	White mineral oil, petroleum	ACTIVE
63148-62-9	Polydimethylsiloxanes (PDMS)	ACTIVE
1336-21-6	Ammonium Hydroxide	ACTIVE
110-82-7	Cyclohexane	ACTIVE

· ***Hazardous Air Pollutants***

None of the ingredients is listed.

· ***Proposition 65***

· ***Chemicals known to cause cancer:***

None of the ingredients is listed.

· ***Chemicals known to cause reproductive toxicity for females:***

None of the ingredients is listed.

· ***Chemicals known to cause reproductive toxicity for males:***

None of the ingredients is listed.

· ***Chemicals known to cause developmental toxicity:***

None of the ingredients is listed.

· ***New Jersey Right-to-Know List:***

1336-21-6	Ammonium Hydroxide
110-82-7	Cyclohexane

· ***New Jersey Special Hazardous Substance List:***

1336-21-6	Ammonium Hydroxide	CO
110-82-7	Cyclohexane	F3

· ***Pennsylvania Right-to-Know List:***

112-80-1	oleic acid, pure
1336-21-6	Ammonium Hydroxide
110-82-7	Cyclohexane

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· ***Pennsylvania Special Hazardous Substance List:***		
1336-21-6	Ammonium Hydroxide	E
110-82-7	Cyclohexane	E

· ***EPA (Environmental Protection Agency)***		
110-82-7	Cyclohexane	I

· ***TLV (Threshold Limit Value)***
None of the ingredients is listed.

· ***NIOSH-Ca (National Institute for Occupational Safety and Health)***
None of the ingredients is listed.

· ***PFAS***
None of the ingredients is listed.

· ***Per- and polyfluoroalkyl substances (PFAS)***
None of the ingredients is listed.

· ***GHS label elements*** The product is classified and labeled according to the Globally Harmonized System (GHS).
· ***Hazard pictograms***



GHS07

· ***Signal word*** Warning

· ***Hazard-determining components of labeling:***
D-Limonene
· ***Hazard statements***
May cause an allergic skin reaction.
· ***Precautionary statements***
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
If on skin: Wash with plenty of water.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
Dispose of contents/container in accordance with local/regional/national/international regulations.
· ***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.

· ***SDS created by:*** Access GHS, LLC - 888-363-4870 - Team@access-ghs-sds.com
· ***Date of previous version*** 07/14/2023
· ***Version number of previous version:*** 2
· ***Date of preparation*** 07/02/2026
· ***Abbreviations and acronyms:***
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association

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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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Flammable liquids 3: Flammable liquids – Category 3
Skin irritation 2: Skin corrosion/irritation – Category 2
Eye irritation 2A: Serious eye damage/eye irritation – Category 2A
Sensitization - skin 1: Skin sensitisation – Category 1
Sensitization - skin 1B: Skin sensitisation – Category 1B
Specific target organ toxicity (single exposure) 3: Specific target organ toxicity (single exposure) – Category 3
Aspiration hazard 1: Aspiration hazard – Category 1