Safety Data Sheet

Trade name: Stera-Sheen® Grill

1 Identification of the substance/mixture and of the company/undertaking

• **1.1 Product identifier**

• **Product name:** Stera-Sheen Grill - Non-Caustic High Temp Grill Cleaner

• **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.

• **Application of the substance / the preparation** Cleaning agent

• **1.3 Details of the supplier of the Safety Data Sheet**
Purdy Products Company
1255 Karl Court
Wauconda, IL 60084
Phone: 847-526-5505/800-726-4849
FAX: 847-526-5271
Website: www.purdyproducts.com

• **1.4 Emergency telephone number:**
ChemTrec 24hr
(800) 424-9300

2 Hazards identification

• **2.1 Classification of the substance or mixture**

• **Classification according to Regulation (EC) No 1272/2008**
The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412.


GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.

- -

• **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**


Xi; Irritant
R36/38: Irritating to eyes and skin.

- -

• **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.

• **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
The classification is in accordance with the latest editions of international substances lists, and is supplemented by information from technical literature and by information provided by the company.

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• **2.2 Label elements**
• **Labeling according to Regulation (EC) No 1272/2008**
The product is classified and labeled according to the CLP regulation.
• **Hazard pictograms**

GHS07

• **Signal word** Warning
• **Hazard statements**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
• **Precautionary statements**

P280	Wear protective gloves / eye protection.
P264	Wash hands thoroughly after handling.
P305+P351+P338+ P337+P313	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 attention.
P302+P352+ P332+P313+P362	IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse.

3 Composition/information on ingredients

• **3.2 Mixtures**
• **Description:** Mixture of substances listed below with nonhazardous additions.

• **Dangerous components:**		
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	>40%
CAS: 584-08-7 EINECS: 209-529-3	potassium carbonate Xi R36 Acute Tox. 4, H302; Eye Irrit. 2A, H319; Skin Irrit. 2, H315	<3%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	Sodium Carbonate Xi R36 Eye Irrit. 2A, H319; Skin Irrit. 3, H316	<1%

• **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

• **4.1 Description of first aid measures**
• **General information:** Immediately remove any clothing soiled by the product.
• **After inhalation:**
Unlikely route of exposure.
Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:**
  Immediately rinse with water.
  If skin irritation continues, consult a doctor.
- **After eye contact:**
  Remove contact lenses if worn, if possible.
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
  Rinse out mouth and then drink plenty of water.
  Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
  Irritant to skin and mucous membranes.
  Irritant to eyes.
  Gastric or intestinal disorders.
  Cramp
  Nausea
- **Hazards**
  Danger of gastric perforation.
  Danger of severe eye injury.
- **4.3 Indication of any immediate medical attention and special treatment needed**
  If necessary oxygen respiration treatment.
  Medical supervision for at least 48 hours.

5 Fire-fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture**
  Formation of toxic gases is possible during heating or in case of fire.
  Sulphur dioxide (SO2)
  Carbon monoxide (CO)
- **5.3 Advice for firefighters**
- **Protective equipment:**
  Wear self-contained respiratory protective device.
  Wear fully protective suit.
- **Additional information** Use large quantities of foam as it is partially destroyed by the product.

6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
  Use respiratory protective device against the effects of fumes/dust/aerosol.
  Wear protective equipment. Keep unprotected persons away.
  Product forms slippery surface when combined with water.
- **6.2 Environmental precautions:**
  Do not allow to enter sewers/ surface or ground water.
  Inform respective authorities in case of seepage into water course or sewage system.

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- **6.3 Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Clean the affected area carefully; suitable cleaners are:
  Warm water
  Dispose contaminated material as waste according to item 13.
- **6.4 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

- **7.1 Precautions for safe handling**
  Avoid splashes or spray in enclosed areas.
  Prevent formation of aerosols.
  Use only in well ventilated areas.
- **Information about fire - and explosion protection:** No special measures required..
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
  Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
  Store away from foodstuffs.
  Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.
- **7.3 Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **8.1 Control parameters**

• **Ingredients with limit values that require monitoring at the workplace:**	
56-81-5 glycerol	
PEL (USA)	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.
EL (Canada)	Long-term value: 10* 3** mg/m³ *mist; **mist, resirable
EV (Canada)	Long-term value: 10 mg/m³

- **DNELs** No further relevant information available.
- **PNECs** No further relevant information available.
- **Additional information:** The lists valid during the making were used as basis

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- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
  The usual precautionary measures are to be adhered to when handling chemicals.
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.
  Avoid contact with the eyes and skin.
- **Respiratory protection:**
  Use suitable respiratory protective device when high concentrations are present.
  Not required under normal conditions of use.
  For spills, respiratory protection may be advisable.
- **Protection of hands:**


Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

- **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:**
  Contact lenses should not be worn.


Safety Glasses

- **Body protection:** Alkaline resistant protective clothing
- **Limitation and supervision of exposure into the environment**
  No further relevant information available.
- **Risk management measures**
  See Section 7 for additional information.
  No further relevant information available.

9 Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Liquid
Color:	Dark yellow
Odor:	Odorless
Odor threshold:	Not determined.

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• pH-value at 20 °C:	10.9 ± 0.5
• Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	212 °F / 100 °C
• Flash point:	320 °F / 160 °C
• Flammability (solid, gaseous):	Not applicable.
• Ignition temperature:	752 °F / 400 °C
• Decomposition temperature:	Not determined.
• Self-igniting:	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 at 20 °C:	23 hPa
• Density at 20 °C:	1.3 g/cm^3
• Relative density	Not determined.
• Vapor density	Not determined.
• Evaporation rate	Not determined.
• Solubility in / Miscibility with water:	Not miscible or difficult to mix.
• Partition coefficient (n-octanol/water):	Not determined.
• Viscosity:	
Dynamic at 20 °C:	150 mPas
Kinematic:	Not determined.
• 9.2 Other information	No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity** Not determined.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
  No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
  Exothermic reaction with acids.
  Reacts with oxidizing agents.
  Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
- **10.4 Conditions to avoid** Keep ignition sources away - Do not smoke.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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11 Toxicological information

•**11.1 Information on toxicological effects**
• **Acute toxicity:**
• **Primary irritant effect:**
• **on the skin:** Irritant to skin and mucous membranes.
• **on the eye:** Irritating effect.
• **Sensitization:** No sensitizing effects known.
• **Subacute to chronic toxicity:** Toxic and/or corrosive effects may be delayed up to 12 hours.
• **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.
Irritant

12 Ecological information

• **12.1 Toxicity**
• **Aquatic toxicity:** No further relevant information available.
• **12.2 Persistence and degradability** No further relevant information available.
• **12.3 Bioaccumulative potential** No further relevant information available.
• **12.4 Mobility in soil** No further relevant information available.
• **Ecotoxical effects:**
• **Remark:**
After neutralization a reduction of the harming action may be recognized.
The product causes an alteration of the pH-value within the testing system. The result refers to the non-neutralized sample.
• **Additional ecological information:**
• **General notes:**
Water hazard class 1 (German Regulation) (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.
Must not reach sewage water or drainage ditch undiluted or unneutralized.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low waterdangerous.
Due to available data on eliminability/decomposition and bioaccumulation potential a prolonged damage of the environment is unlikely.
• **12.5 Results of PBT and vPvB assessment**
• **PBT:** Not applicable.
• **vPvB:** Not applicable.
• **12.6 Other adverse effects** No further relevant information available.

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13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
  Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.
  Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

• 14.1 UN-Number **• DOT, ADR, ADN, IMDG, IATA**	N/A
• 14.2 UN proper shipping name **• DOT, ADR, ADN, IMDG, IATA**	Cleaning Compounds, NOI, liquid.
• 14.3 Transport hazard class(es) **• DOT** **• Class**	N/A
• 14.4 Packing group **• DOT, ADR, IMDG, IATA**	N/A
• 14.5 Environmental hazards: **• Marine pollutant:**	No
• 14.6 Special precautions for user	Not applicable.
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• UN "Model Regulation":	Cleaning Compounds, NOI, liquid.

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

• Section 313 (Specific toxic chemical listings):
None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):
All ingredients are listed.

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• **Proposition 65 (California):**

• **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.

• **Carcinogenic Categories**

• **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

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

None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

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

None of the ingredients is listed.

• **Canada**

• **Canadian Domestic Substances List (DSL)**

Contact manufacturer for specific information.

All ingredients are listed.

• **Canadian Ingredient Disclosure list (limit 0.1%)**

None of the ingredients is listed.

• **Canadian Ingredient Disclosure list (limit 1%)**

584-08-7	potassium carbonate
497-19-8	Sodium Carbonate

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

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16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H315 Causes skin irritation.
H316 Causes mild skin irritation.
H319 Causes serious eye irritation.

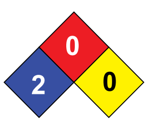
R36 Irritating to eyes.
R38 Irritating to skin.

- **Hazardous Material Information System (U.S.A.)**

Health	2
Flammability	0
Physical hazards	0

4=Very High; 3=High; 2=Moderate; 1=Slight; 0=Insignificant

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



Health = 2
Fire = 0
Reactivity = 0

MSDS File Name: STERA-SHEEN GRILL CLEANER SDS
EPA/DfE Recognized: Yes

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
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)
WHMIS: Workplace Hazardous Materials Information System (Canada)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)

- **Revision:** 06/04/2015

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