

Safety Data Sheet: Simple Green® Pro HD Heavy-Duty Cleaner

Version No. 13421-18A Issued: 12 November 2018

Supersedes: 1 March 2014

Prior version no: 13421AU-14A

Model Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals 23/12/2011

Section 1: IDENTIFICATION: PRODUCT IDENTIFIER & IDENTITY FOR THE CHEMICAL

Product identifier: Simple Green® Pro HD Heavy-Duty Cleaner

Other means of identification: Please see section 16

Recommended use of chemical: Cleaning and degreasing agent for all water safe surfaces.

Restrictions on use of chemical: Do not use on non-rinsable surfaces.

Details of manufacturer or importer:

Simple Green Australia Pty Ltd.

P.O. Box 1253 Golden Grove Village LPO

Golden Grove, SA 5125 Australia

Telephone: 1300 826 470

Fax: 1300 826 473

Website: Simplegreen.com.au

Email: info@simplegreenaustralia.com

Emergency Phone: 1300 826 470 Available Monday – Friday, 9am-5pm

13 11 26 Australia Poisons Information Centre, Available 24 hours a day, 7 days a week

Section 2: HAZARDS IDENTIFICATION

Classification of the hazardous chemical according to Model Work Health & Safety Regulations:

Eye Damage / Irritation : Category 2B

Not classified as a hazardous chemical. Hazardous chemical ...does not include a substance, mixture or article that satisfies the criteria solely for one of the following hazard classes: (e) serious eye damage/eye irritation - category 2B. See regulations for full exemption.

This is a dual use product and complies with the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) labelling requirements.

Label Elements:

Signal Word: Warning.

Pictogram: None

Hazard Statement: H320 – Causes eye irritation.

Precautionary Statement: P264 - Wash hands thoroughly after handling

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 attention.

Other hazards with do not result in classification: None known.

SUSMP Classification & Labelling:

See Section 15

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Ingredient</u> | <u>CAS Number</u> | <u>Percent Range</u> |
|------------------------------|-------------------|----------------------|
| Water | 7732-18-5 | ≥ 77%* |
| Triethanolamine | 102-71-6 | ≤ 10%* |
| Ethoxylated alcohol | 68439-46-3 | ≤ 5%* |
| Quaternary Amine mixture | Proprietary | ≤ 5%* |
| Propylene Glycol Butyl Ether | 5131-66-8 | ≤ 5%* |
| Tetrapotassium Pyrophosphate | 7320-34-5 | ≤ 1%* |
| Sodium Disilicate | 1344-09-8 | ≤ 1%* |
| Colourant | Proprietary | ≤ 1%* |

*exact percentage of ingredients are commercially confidential

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Section 4: FIRST AID MEASURES

Description of necessary first aid measures

- Inhalation:** *Immediate and delayed symptoms* - Not expected to cause respiratory irritation. If adverse effect occurs, move to fresh air.
- Skin contact:** *Immediate and delayed symptoms* - Not expected to cause skin irritation. If adverse effect occurs, rinse skin with water.
- Eye Contact:** *Immediate symptoms* – Causes eye irritation. 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 advice/attention.
- Ingestion:** *Immediate and delayed symptoms* - May cause upset stomach. Drink plenty of water to dilute. See section 11. For advice, contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor.

Section 4: FIRST AID MEASURES - continued

First Aid Facilities: Eye wash station or treatment recommended.

Symptoms caused by exposure: No expected acute, delayed or aggravated conditions or symptoms from exposure to mixture.

Medical attention and special treatment: Treat symptomatically. No testing or monitoring for delayed effect required.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing equipment: *Suitable-* Use dry chemical, CO₂, water spray or “alcohol” foam.
Unsuitable- High volume jet water.

Specific hazards arising from the chemical: *Formulation is non-flammable and will boil until evaporated.*

Special protective equipment and precautions for fire fighters: Keep containers cool with water spray. Firefighters should wear self-contained breathing apparatus and full fire-fighting turn-out gear and eye protection.

See Section 16 for NFPA information

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Eyeglasses/ goggles and gloves recommended to prevent eye contact. Ensure sufficient ventilation. Area should be roped off to prevent slips and falls.

Environmental Precautions: Prevent runoff from entering drains, sewers, surface and ground water.

Methods and materials for containment and cleaning up: Cap or plug leaking containers. Cover all drains. Dike or soak up with inert adsorbent material. Dispose of in appropriate waste containers. See Section 13 for disposal considerations.

Section 7: HANDLING AND STORAGE

Precautions for safe handling: Before use carefully read the product label. Use of safe work practices are recommended to avoid eye contact and spills. Observe good personal hygiene, including washing hands after use and before eating. Remove contaminated clothing and protective equipment before entering eating area. Prohibit eating, drinking and smoking in contaminated area (eg. If container is damaged). Ensure adequate ventilation. Keep out of reach of children. Keep away from heat, sparks, open flame and direct sunlight. Do not pierce any part of the container.

Conditions for safe storage, including any incompatibilities: Store in cool, dry, well-ventilated area, removed from oxidizing agents, acids and foodstuffs. Ensure containers are adequately labeled and protected from physical damage when not in use. Do not store at temperatures above 109°F (42.7°C). If separation occurs, mix the product for reconstitution.

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Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Exposure standards: Triethanolamine (102-71-6) 5 mg/m³ PEL

Biological monitoring: Not provided.

Appropriate engineering controls: Use in well ventilated areas and have eyewash stations, eyewash treatments, or showers available.

Personal protective equipment (PPE)

Eye and Face Protection: Safety glasses, goggles or shields recommended.

Skin Protection: Not necessary. PVC or nitrile gloves suggested for individuals prone to dry skin.

Respiratory Protection: Not necessary.

Thermal Hazards: Not applicable.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|--|----------------------------------|--|--|
| Appearance: | Clear Purple Liquid | Partition Coefficient: n-octanol/water: | Not determined |
| Odor: | No added odour | Autoignition Temperature: | Non-flammable |
| Odor Threshold: | Not determined | Decomposition Temperature: | 42°C (109°F) |
| pH: | 10 – 11.5 | Viscosity: | Like water |
| Freezing Point: | 0°C (32°F) | Specific Gravity : | 1.01 – 1.04 |
| Boiling Point & Range: | 98°C (210°F) | VOCs: | **Water & fragrance exemption in calculation |
| Flash Point: | >100°C (212°F) | SCAQMD 304-91 / EPA 24: | Not tested |
| Evaporation Rate: | Not determined | CARB Method 310**: | 20 g/L 2.0% |
| Flammability (solid, gas): | Non-flammable | SCAQMD Method 313: | 20.4 g/L 2.04% |
| Upper/Lower Flammability or Explosive Limits: | Non-flammable | VOC Composite Partial Pressure: | 0.102207135 |
| Vapor Pressure : | 20.7 mmHg | Relative Density: | 1.008 – 1.038 kg/L |
| Vapor Density: | Not determined | Solubility: | 100% in water |
| Nutrient Content: | Nitrogen - <0.1% (0% by formula) | Phosphorous - < 0.25% (by formula) | Sulfur - <0.1% (0% by formula) |

Section 10: STABILITY AND REACTIVITY

Reactivity: Non-reactive.

Chemical stability: Stable under normal conditions 21°C (70°F) and 14.7 psig (760 mmHg).

Conditions to avoid: Excessive heat or cold.

Incompatible materials and possible hazardous reactions: None known.

Hazardous decomposition products: None known.

Section 11: TOXICOLOGICAL INFORMATION

Information on Routes of Exposure:

Inhalation - Overexposure may cause headache.

Skin Contact - Not expected to cause irritation, repeated contact may cause dry skin.

Eye Contact - Causes mild eye irritation.

Ingestion - May cause upset stomach.

Early onset symptoms related to exposure: No symptoms expected under typical use conditions.

Delayed health effects from exposure: No symptoms expected under typical use conditions. Overexposure may lead to headache and dry skin.

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Section 11: TOXICOLOGICAL INFORMATION - continued

Numerical Measures of Toxicity

Acute Toxicity: Oral LD₅₀ (rat) > 5 g/kg body weight
Dermal LD₅₀ (rabbit) > 5 g/kg body weight

Calculated via OSHA HCS 2012 / Globally Harmonized System of Classification and Labelling of Chemicals

Skin Corrosion/Irritation: Non-irritant per Dermal Irritation® assay modeling. No animal testing performed.
Eye Damage/Irritation: Minimal irritant per Ocular Irritation® assay modeling. No animal testing performed. GHS category 2B not recognized as hazardous by Safe Work Australia
Respiratory or skin sensitization: No ingredients trigger or classify under this category.
Germ Cell Mutagenicity: No ingredients trigger or classify under this category.
Carcinogenicity: Volume of ingredients does not trigger or classify under this category. This product contains trace amounts of Diethanolamine (<0.01%, IARC 2B and ACGIH A3)
Reproductive Toxicity: No ingredients trigger or classify under this category.
STOT-Single Exposure: No ingredients trigger or classify under this category.
STOT-Repeated Exposure: No ingredients trigger or classify under this category.
Aspiration Hazard: No ingredients trigger or classify under this category.

Exposure levels: No ingredients have recognized exposure levels

Interactive effects: Not known.

Data limitations: There are no data limitations when assessing this mixture.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Volume of ingredients used does not trigger toxicity classifications under the Globally Harmonized System of Classification and Labelling of Chemicals.

Aquatic: Not tested on finished formulation.

Terrestrial: Not tested on finished formulation.

Persistence and Degradability: Readily Biodegradable per OCED 301D, Closed Bottle Test

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

Section 13: DISPOSAL CONSIDERATIONS

Safe handling and disposal methods

Unused or used liquid: may be considered hazardous in your area depending on usage and tonnage of disposal – check with local council and/or state environmental authority for advice on disposal of chemicals.

Disposal of packaging

Contaminated packaging: may be considered hazardous in your area depending on usage and tonnage of disposal – check with local council and/or state environmental authority for advice on disposal of chemicals.

Empty non-contaminated packaging: may be offered for recycling.

Environmental regulations

Never dispose of used degreasing rinsates into lakes, streams, and open bodies of water or storm drains.

Section 14: TRANSPORT INFORMATION

U.N. Proper Shipping Name: Cleaning Compound, Liquid NOI

U.N. Number: Not applicable

Transport Hazard Class(es): Not applicable

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Section 14: TRANSPORT INFORMATION - continued

Packing Group: Not applicable
Environmental Hazards: Marine Pollutant - NO
Transport in Bulk (according to Annex II of MARPOL 73/78 and IBC Code): Unknown.
Special precautions which user needs to be aware of/comply with, in connection with transport or conveyance either within or outside their premises: None known.
Additional information: Unknown.
Hazchem or Emergency Action Code: No Hazchem or action code applies to this mixture.

| | | | |
|--------------------|----------------------------------|--------------------|-----------------------------|
| AU ADG: | Not classified as Dangerous Good | ICAO/ IATA: | Not classified as Hazardous |
| IMO / IDMG: | Not classified as Hazardous | ADR/RID: | Not classified as Hazardous |

Section 15: REGULATORY INFORMATION

Is the hazardous chemical subject to

| | |
|---|----|
| Montreal Protocol (Ozone depleting substances): | No |
| The Stockholm Convention (Persistent Organic Pollutants): | No |
| The Rotterdam Convention (Prior Informed Consent): | No |
| Basel Convention (Hazardous Waste): | No |
| International Convention for the Prevention of Pollution from Ships (MARPOL): | No |

AICS: All chemicals listed on the Australian Inventory of Chemical Substances (AICS)
Poison Schedule: A poison schedule number has not been allocated to this product using the criteria in the standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

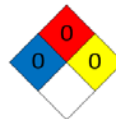
Section 16: OTHER INFORMATION

Manufacturer's Part Numbers

SG13421 - 3.78 Litre

NFPA:

| | |
|------------------------------|--------------------|
| Health – none | Stability – Stable |
| Flammability – Non-flammable | Special - None |



Prepared / Revised By: Simple Green Australia
This SDS has been revised in the following sections: Change of Company Contact Information

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