

PowerGuard Protectant – Green Certified – WoolSafe Approved

Safety Data Sheet

according to Regulation (EC) No. 453/2010

Date of issue: 10/12/2014

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : PowerGuard Protectant – Green Certified – WoolSafe Approved
Product code : C047-G

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/mixture : Polymer based carpet protector with acid dye resisters that help enhance stain and soil resistance

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

| | | |
|---|--|--|
| Harris Research, Inc. 1530 North 1000 West Logan, UT 84321 USA 1-435-755-0099 1-800-424-9300 1-703-527-3887 | Denmark, Norway, Sweden Chem-Dry Nordic Aps Munkegaardsvej 21 Kivstgaard, 3490 45-48-14-44-18 th@chemdry.dk | Chem-Dry France Parc d'activites "Le Prieure" RuePaulin Viry 37530 Poce-sur-Cisse +33 761 8906 79 a.baba@chemdry-france.fr |
| Chem-Dry of Ireland LTD Unit 30 Tolka Valley Business Park Ballyboggan Road, Glasnevin Dublin, DN011 353 1 830 3940 john@chemdry.ie | Chem-Dry Luxembourg S.A. Rue De La Continentale Zac Zaemer Bascharage, L-4917 652 26 35 00 20 info@chemdry.lu | Netherlands, Belgium, Germany Chem-Dry Netherlands BV Vijfhuizenberg 127 Roosendaal, 4708 AJ 31(0)165-570 610 info@chemdry.nl |
| Portugal/Angola Ambiclean-Limpeza De Alcatifas, LDA Rua Samaora Machel N 3-D Urbanizacoa Alto Da Eira Sta Iria Da Azoia, 2695-395 351 21 953 00 33 info@chemdryportugal.com | Switzerland/Lichtenstein Chem-Dry Switzerland Kellerhofstrasse 11 Elgg, 8353 (41)523643031 liz.prohaska@procamed.ch | UK/England/Scotland/Wales Chem-Dry® Franchising Ltd. Belprin Road Beverley, East Yorkshire HU17 0LP 44 01482 678 645 e.info@chemdry.co.uk |

1.4. Emergency telephone number

Emergency number : Chemtrec (800) 424-9300
Chemtrec (Outside USA) +1 703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

Signal word (CLP) :

Warning

Hazard statements (CLP) :

H319 - Causes serious eye irritation

Precautionary statements (CLP) :

P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective gloves, protective clothing
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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|---|---------------------------------------|-----|--|
| 2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt | (CAS No) 52500-92-2 | <50 | Xi; R36 |
| Citric acid | (CAS No) 77-92-9 (EC no) 201-069-1 | < 1 | Xi; R36 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---------------------------------------|-----|---|
| 2,5-Furandione, telomer with ethenylbenzene and (1-methylethyl)benzene, sodium salt | (CAS No) 52500-92-2 | <50 | Eye Irrit. 2, H319 |
| Citric acid | (CAS No) 77-92-9 (EC no) 201-069-1 | < 1 | Eye Irrit. 2, H319 |

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. by trained personnel. In all cases of doubt, or when symptoms persist, seek medical advice. |
| First-aid measures after skin contact | : Immediately flush the contact area with plenty of water. Remove/Take off immediately all contaminated clothing. Seek medical attention if irritation develops. |
| First-aid measures after eye contact | : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persist. |
| First-aid measures after ingestion | : Ingestion is not considered a potential route of exposure. If swallowed, rinse mouth with water (only if the person is conscious). Call a POISON CENTER or doctor/physician. Get medical advice/ attention. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|--------------------------------------|--|
| Symptoms/injuries after inhalation | : Inhalation of vapours or spray/mists. May cause irritation to the respiratory tract and to other mucous membranes. |
| Symptoms/injuries after skin contact | : Frequent or prolonged contact with skin may cause dermal irritation, redness or dry skin. Skin contact may aggravate an existing dermatitis condition. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : Ingestion: harmful. |

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Use dry chemical, foam, carbon dioxide or water fog.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. Evacuate the personnel away from the fumes.

Protective equipment for firefighters : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus.

Other information : Thermal decomposition generates : carbon oxides (CO and CO₂).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid breathing mist or vapor . Stop leak if safe to do so. Special danger of slipping by leaking/spilling product.

6.1.1. For non-emergency personnel

Protective equipment : Refer to section 8. Avoid contact with the skin and the eyes.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Contain and/or absorb spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Store away from other materials. Consult the appropriate authorities about waste disposal. Dispose of waste according to applicable legislation. Avoid contact with eyes, skin and clothing.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Use only with adequate ventilation. Keep away from heat and direct sunlight. Avoid breathing dust, mist or spray. Avoid contact with eyes, skin, and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : A washing facility/water for eye and skin cleaning purposes should be present. Provide local exhaust to maintain dust levels below exposure limits.

Storage conditions : Keep locked up and out of reach of children. Keep only in the original container in a cool well ventilated place. Store in dry protected location to prevent any moisture contact. Avoid Freezing. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep out of direct sunlight.

Incompatible materials : Keep away from strong acids, strong bases and oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation to minimize exposure to dust.

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Personal protective equipment

: Avoid all unnecessary exposure. The following pictograms represent the minimum requirements for personal protective equipment. Personal protective equipment should be selected based upon the conditions under which this product is handled or used. Protective goggles. Protective clothing. Gloves.



Hand protection

: Wear protective gloves. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Eye protection

: Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear suitable protective clothing. Wear protective shoes.

Respiratory protection

: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information

: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|-----------------------------|
| Physical state | : Liquid |
| Colour | : Amber. |
| Odour | : Characteristic. |
| Odour threshold | : No data available |
| pH | : 8.5 - 9.5 |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : 100 °C (212 °F) |
| Flash point | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1.07 Specific Gravity |
| Solubility | : Water: completely soluble |
| Log Pow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|-------------|---------------------------|
| VOC content | : 65% (Percent Volatiles) |
|-------------|---------------------------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

keep away from incompatible materials. Avoid Freezing. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

10.5. Incompatible materials

Strong acids, bases. Oxidizing agent.

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10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| Citric acid (77-92-9) | |
|-----------------------|--------------|
| LD50 oral rat | 3000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

| | |
|--|---|
| Skin corrosion/irritation | : Not classified pH: 8.5 - 9.5 |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 8.5 - 9.5 |
| Respiratory or skin sensitisation | : Not classified Based on available data, the classification criteria are not met. |
| Germ cell mutagenicity | : Not classified Based on available data, the classification criteria are not met. |
| Carcinogenicity | : Not classified Based on available data, the classification criteria are not met. |
| Reproductive toxicity | : Not classified Based on available data, the classification criteria are not met. |
| Specific target organ toxicity (single exposure) | : Not classified Based on available data, the classification criteria are not met. |
| Specific target organ toxicity (repeated exposure) | : Not classified Based on available data, the classification criteria are not met. |
| Aspiration hazard | : Not classified Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

| Citric acid (77-92-9) | |
|-----------------------|---|
| LC50 fishes 1 | 1516 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

| PowerGuard Protectant – Green Certified – WoolSafe Approved | |
|---|------------------|
| Bioaccumulative potential | Not established. |

| Citric acid (77-92-9) | |
|-----------------------|------------------|
| Log Pow | -1.72 (at 20 °C) |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

: Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--------------------------------|--|
| Waste disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. Dispose of waste in accordance with local regulations. Consult the appropriate local waste disposal expert about waste disposal. |
| Additional information | : Empty container retains product residue. |
| Ecology - waste materials | : Avoid release to the environment. Prevent contamination of soil, drains and surface waters. |

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SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not regulated for transport

14.2. UN proper shipping name

No additional information available

14.3. Transport hazard class(es)

No additional information available

14.4. Packing group

No additional information available

14.5. Environmental hazards

Other information : No supplementary information available

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10

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Contains no substance on the REACH candidate list

VOC content : 65 Percent Volatiles

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Sources of Key data : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Full text of R-, H- and EUH-phrases:

| | |
|--------------|---|
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H319 | Causes serious eye irritation |
| R36 | Irritating to eyes |
| Xi | Irritant |

SDS EU (REACH Annex II)

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