

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
 Trade name : Repel Protectant Concentrate – Woolsafe approved
 Product code : C051-G, CS

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 : Water based fluorochemical carpet protector with acid dye resisters that provide soil and stain 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 Vijffhuizenberg 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 Urbanizacao 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 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]**

Not classified

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

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

No labelling applicable

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according to Regulation (EC) No. 453/2010

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH annex II

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 breathing is difficult, give oxygen. If not breathing, give artificial respiration, by trained personnel. Seek medical attention immediately.
First-aid measures after skin contact	: Rinse and then wash skin thoroughly with water and soap. Remove/Take off immediately all contaminated clothing. If skin feels slippery, product may still be present. Continue washing until slick feeling is gone. 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. Do not induce vomiting. If the person is fully conscious, make him/her drink water. Never give an unconscious person anything to drink. Get medical advice/ attention.

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

Symptoms/injuries after inhalation	: Inhalation of mist or aerosol may cause irritation to nose and throat . In case of repeated or prolonged exposure : Inhalation of vapor or mist can produce coughing, dyspnea (breathing difficulty), chest pain, and pulmonary edema (water on the lungs). Lungs irritation.
Symptoms/injuries after skin contact	: May cause skin irritation. Prolonged and repeated contact may cause dermatitis. Skin rash/inflammation.
Symptoms/injuries after eye contact	: In fine dispersion/spraying/misting: This product can cause transient mild eye irritation with short-term contact with liquid sprays or mists. symptoms may include stinging, tearing, redness, swelling and blurred vision.
Symptoms/injuries after ingestion	: may be harmful if swallowed.

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

Note to Physician: Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly. Administer 5 mL/kg, or 350 mL for an average adult.

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.
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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 CO ₂). Hydrogen fluoride. Toxic gases and fumes may be released in a fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin, eyes and clothes. Avoid breathing mist or vapor . Stop leak if safe to do so. Spills of this product present a serious slipping hazard.
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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.

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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. Ensure all national/local regulations are observed. Consult the appropriate authorities about waste disposal. Dilute residue with water. 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. Work in a well-ventilated area. 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 exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended 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.
- Incompatible materials : Acids. Base. 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 exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Do not aerosolize.
- 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 : In case of insufficient ventilation, wear suitable respiratory equipment. Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.
- Other information : Do not eat, drink or smoke during use.

No AEL has been established for this product. Other products with fluorinated material components have an AEL of 0.1 mg/m³ to 1 mg/m³ (8 hour TWA) for respirable size aerosol particles. Air monitoring studies conducted at customer sites indicates that the use of low pressure (less than 60 psi) airless type, garden type, or deck specific hand pump sprayer with spray tip orifice minimum of 0.031 inches in diameter does not produce respirable size aerosol particle concentrations near the AEL.

Handle in accordance with good industrial hygiene and safety procedures.

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according to Regulation (EC) No. 453/2010

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear.
Colour	: Light amber.
Odour	: Faint odor.
Odour threshold	: No data available
pH	: 2 - 3
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	: 1.02 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

No additional information available

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

Acids. Bases. Oxidizing agents.

10.6. Hazardous decomposition products

Avoid temperature above 200 °C. Thermal combustion may release carbon monoxide and dioxide. Toxic fumes. hydrogen fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified Based on available data, the classification criteria are not met.
Skin corrosion/irritation	: Not classified Based on available data, the classification criteria are not met. pH: 2 - 3
Serious eye damage/irritation	: Not classified Based on available data, the classification criteria are not met. pH: 2 - 3

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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

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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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. Do not burn.

Additional information : Empty container retains product residue.

Ecology - waste materials : Avoid release to the environment. Prevent contamination of soil, drains and surface waters.

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

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

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

Indication of changes:

Classification.

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.

SDS EU (REACH Annex II)

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