

1. IDENTIFICATION

Product identifier Encap Green

Recommended use Professional carpet and upholstery care product.

Recommended restrictions For professional/industrial use only. Not for household use.

Supplier VacAway Products
1728 S. Park Ct.
Chesapeake, VA 23320

Telephone 1-800-604-7166

Emergency phone number PERS (24-Hour Emergency) (800) 633-8253

2. HAZARD(S) IDENTIFICATION

Physical hazards Not classified.

Health hazards Skin corrosion/irritation — Category 1B

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Pictogram(s)



Signal word **DANGER**

Hazard statements H314 Causes severe skin burns and eye damage.

Prevention P260 Do not breathe mist or spray.
P264 Wash hands and exposed skin thoroughly after handling.
P280 Wear protective gloves, protective clothing, eye protection and face protection.
P234 Keep only in the original container.

Response P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor.
P363 Wash contaminated clothing before reuse.

Storage Store locked up. Store in a well-ventilated place. Keep container tightly closed.

Disposal Dispose of contents/container in accordance with local, regional, national and international regulations.

Hazards not otherwise classified (HNOC) None known.

Supplemental information Percentage of the mixture consisting of ingredients of unknown acute toxicity: 19%.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS number	Purpose	Concentration
Water	7732-18-5	Diluent / carrier	50 – 70%
Acrylic copolymer dispersion	Withheld as a trade secret (29 CFR 1910.1200(i))	Polymer / encapsulant	5 – 10%
Sodium C14-16 olefin sulfonate	68439-57-6	Anionic surfactant	5 – 10%
1-Propoxy-2-propanol (propylene glycol n-propyl ether)	1569-01-3	Coupling solvent	1 – 5%
Sodium hydroxide	1310-73-2	Alkali builder	0.1 – 1%

Chemical name	CAS number	Purpose	Concentration
Fragrance (proprietary blend)	Withheld as a trade secret (29 CFR 1910.1200(i))	Fragrance	0.1 – 1%

Concentrations are stated as ranges permitted under 29 CFR 1910.1200(i) to protect trade-secret formulation detail. Specific chemical identities and exact percentages are withheld where marked. Ingredients present below the applicable cut-off value and not contributing to the classification are not listed. The full composition will be released to a treating physician or nurse in a medical emergency on request.

4. FIRST-AID MEASURES

Inhalation	Move to fresh air. If breathing is difficult, give oxygen. Immediately call a POISON CENTER/doctor. Call a physician if symptoms develop or persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with plenty of water or under a shower for at least 20 minutes. Chemical burns must be treated by a physician. Call a POISON CENTER/doctor immediately. Wash contaminated clothing before reuse. DO NOT attempt to neutralise the burn.
Eye contact	Immediately flush with plenty of water for at least 20 minutes, holding the eyelids open. Remove contact lenses if present and easy to do. Continue rinsing. Call a POISON CENTER/doctor immediately. Continue flushing during transport to hospital.
Ingestion	Rinse mouth thoroughly. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, keep the head low so stomach contents do not enter the lungs. Call a POISON CENTER/doctor immediately.
Most important symptoms and effects, acute and delayed	Burning pain and severe corrosive damage to skin and eyes. Permanent eye damage, including blindness, may result. Symptoms may be delayed.
Indication of immediate medical attention and special treatment needed	Treat symptomatically. Chemical burns: flush with water immediately and continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Show this Safety Data Sheet to the doctor in attendance.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use a solid water jet; it may scatter and spread the material.
Specific hazards arising from the chemical	This product is an aqueous solution and does not itself burn. Hazardous decomposition products may form in a fire (see Section 10).
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn.
Fire-fighting equipment/instructions	Use water spray to cool unopened containers. Move containers from the fire area if it can be done without risk.
General fire hazards	No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up (see Section 8). Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up	Stop the flow of material if this can be done without risk. Dike or absorb the spill with an inert material (sand, earth, vermiculite) and place in a suitable closed container for disposal. Small residues may be cautiously neutralised before flushing. Prevent entry into waterways, sewers, basements or confined spaces. Flush the residual area with water. Never return spilled material to the original container for re-use.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

7. HANDLING AND STORAGE

Precautions for safe handling	Do not get in eyes, on skin or on clothing. Avoid breathing mist or spray. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Wash thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Store locked up. Store in the original tightly closed container in a cool, dry, well-ventilated area. Protect from freezing. Store away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Regulation	Type	Value
Sodium hydroxide (1310-73-2)	US OSHA Table Z-1	PEL	2 mg/m3
Sodium hydroxide (1310-73-2)	US ACGIH TLV	Ceiling	2 mg/m3
1-Propoxy-2-propanol (1569-01-3)	Manufacturer recommendation	TWA	No OEL established

Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Eyewash facilities and an emergency safety shower must be available where this product is handled. Ventilation rates should be matched to conditions.
Eyeface protection	Chemical splash goggles and a face shield.
Hand protection	Chemical-resistant gloves (nitrile or neoprene). Inspect before each use.
Other skin protection	Chemical-resistant apron or suit and boots.
Respiratory protection	Not normally required with adequate ventilation. If mists are generated or ventilation is insufficient, wear a NIOSH-approved respirator.
General hygiene	Wash thoroughly after handling and before eating, drinking or smoking. Routinely launder work clothing and clean protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / physical state	Liquid.
Colour	Not determined — confirm against production standard.
Odour	Fragranced.
Odour threshold	Not available.
pH	12.5 (as supplied)
Melting point / freezing point	Approximately 0 °C (32 °F) — aqueous.
Initial boiling point and boiling range	Approximately 100 °C (212 °F) — aqueous.
Flash point	None to boiling point (aqueous solution).
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable — liquid.
Upper/lower flammability or explosive limits	Not available.
Vapour pressure	Approximately that of water (17.5 mm Hg at 20 °C).
Vapour density	Not available.
Relative density / specific gravity	Not determined — confirm against production standard.
Solubility in water	Miscible / soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	Not determined.

10. STABILITY AND REACTIVITY

Reactivity	Alkaline. Reacts exothermically with acids. Reacts with aluminium, zinc and tin to liberate flammable hydrogen gas.
Chemical stability	Stable under normal conditions of storage and use.
Possibility of hazardous reactions	Hazardous polymerisation does not occur.
Conditions to avoid	Excessive heat, freezing, and direct sunlight. Do not mix with other chemicals.
Incompatible materials	Acids. Aluminium, zinc, tin and their alloys. Ammonium salts.
Hazardous decomposition products	Carbon monoxide, carbon dioxide and other toxic vapours may form on thermal decomposition.

11. TOXICOLOGICAL INFORMATION

Ingestion	May cause burns to the mouth, throat and digestive tract.
Inhalation	Mists may cause irritation of the respiratory tract.
Skin contact	Causes severe skin burns.
Eye contact	Causes serious eye damage.
Symptoms	Stinging, tearing, redness, swelling and blurred vision. Burning pain and corrosive tissue damage.

Endpoint	Result
Acute toxicity — oral	Not classified. Calculated mixture ATE exceeds 2,000 mg/kg.
Acute toxicity — dermal	Not classified.
Acute toxicity — inhalation	Not classified. No data on the mixture as supplied.
Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory sensitisation	Not classified. No data available on the mixture.
Skin sensitisation	Not classified. Sensitising components are present below the applicable cut-off value.
Germ cell mutagenicity	No data available to indicate that the product, or any component present at greater than 0.1%, is mutagenic or genotoxic.
Carcinogenicity	Not classified as a carcinogen by IARC, ACGIH, NTP or OSHA.
OSHA specifically regulated substances (29 CFR 1910.1001–1050)	Not listed.
Reproductive toxicity	Not classified.
STOT — single exposure	Not classified.
STOT — repeated exposure	Not classified.
Aspiration hazard	Not classified — aqueous product.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The product is not classified as environmentally hazardous. This does not exclude the possibility that large or frequent spills can have a harmful effect.
Persistence and degradability	No data available on the degradability of this product as supplied. The surfactant(s) in this product comply with the biodegradability criteria of Regulation (EC) 648/2004.
Bioaccumulative potential	Bioaccumulative potential is low.
Mobility in soil	The components are water soluble and are expected to show moderate to high mobility in saturated and semi-saturated soils.
Other adverse effects	None known.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Collect and reclaim, or dispose of in sealed containers at a licensed waste disposal site. Dispose of contents and container in accordance with local, regional, national and international regulations.
Hazardous waste code	Likely RCRA D002 (corrosivity) if the pH of the waste is 12.5 or above, or 2.0 or below. MEASURE the pH of the actual waste stream before assigning a code. Assign the final code in discussion between the user, the producer and the waste disposal company.
Contaminated packaging	Empty containers may retain product residue. Follow label warnings even after the container is emptied. Triple-rinse before recycling or disposal.

14. TRANSPORT INFORMATION

USDOT	Not regulated as dangerous goods.
Limited quantity (ground)	Not applicable. No LIMITED QUANTITY marking required.
IATA / IMDG	Not regulated as dangerous goods. No IMO Dangerous Goods Declaration is required for carriage by sea.
Basis of this determination	Determined by VacAway Products as not regulated for transport, consistent with the classification applied to this product line prior to this revision. NOTE: this product IS classified as skin corrosive for workplace hazard communication under 29 CFR 1910.1200 (Section 2). GHS skin corrosion and DOT Class 8 are separate determinations made under different criteria, and a product may carry a corrosion pictogram on the container while remaining unregulated for transport. If skin-corrosion or metal-corrosion test data is later obtained under 49 CFR 173.137, this section must be reassessed.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

US federal regulations	This product is a 'hazardous chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
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TSCA inventory	All components are listed on, or exempt from, the US EPA TSCA Inventory.
Listed components	Sodium hydroxide (1310-73-2) — CERCLA Hazardous Substance List (40 CFR 302.4); MA, NJ, PA and RI Right-to-Know lists.
SARA 311/312 hazard categories	Immediate (acute) health hazard — Yes Delayed (chronic) health hazard — No Fire hazard — No Sudden release of pressure — No Reactivity hazard — No
California Proposition 65	This product is not known to contain any chemical currently listed as a carcinogen or reproductive toxin under California Proposition 65 at a level that would require a warning.
State cleaning-product disclosure	California Cleaning Product Right to Know Act (SB 258) and New York Household Cleansing Product Disclosure: trade-secret claims do NOT apply to ingredients on the designated lists. Verify the current designated lists before publishing your ingredient disclosure page.

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date	08/30/2026
Revision information	Full re-issue. Classification rebuilt from current supplier safety data sheets using GHS mixture calculation rules. Supersedes all prior versions.
Prepared to	OSHA Hazard Communication Standard 29 CFR 1910.1200 (HazCom 2024), aligned to GHS Rev. 7.
Basis of classification	ESCALATED ON pH: measured pH 12.5 is at or above 11.5, which is grounds for Skin Corr 1 even though the NaOH concentration (0.66%) alone would give only Skin Irrit 2. PROVISIONAL - an alkali reserve titration could bring this back down to Skin Irrit 2; CMIT/MIT from AOS 40% = 0.000265% (SCL 0.0015%) Skin and eye classification is derived from ingredient concentration limits. Where the pH of the product as supplied has not been measured, that calculation has NOT been checked against pH and alkali reserve, and the classification may be more severe than the finished product warrants.
Disclaimer	The information in this Safety Data Sheet is believed to be correct as of the date issued and is offered as guidance for safe handling, use, processing, storage, transport and disposal. It is not a warranty or a quality specification. The information relates only to the specific material designated and may not be valid for that material used in combination with any other material or in any process.