

Fortify LMC: Low Moisture Carpet Cleaner

SECTION I - IDENTIFICATION

PRODUCT NAME: GRAB Fortify LMC
 PRODUCT TYPE: Low Moisture Carpet Cleaner

SECTION II - COMPOSITION/INFORMATION ON COMPONENTS

COMPONENTS	CAS NUMBER	%
Water	7732-18-5	82-85
Non-hazardous ingredients	mixture	10-11
Anionic surfactants	mixture	4-5
Organic carboxylate	proprietary	1-2

SECTION III - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

EYE IRRITANT: May cause skin irritation.
 May cause irritation of nose, mouth, and throat if mists or sprays are inhaled.

IMMEDIATE HEALTH EFFECTS

EYES: Direct contact causes irritation. May become severe if not washed out.
 SKIN: Prolonged or repeated contact may cause irritation.
 INHALATION: Inhaled mists or sprays cause irritation of the nose, throat, and lung mucous membranes. Inhaling large amounts may cause severe irritation to the nose, throat, and lung mucous membranes.
 INGESTION: Swallowing large amounts of organic compounds may be harmful.
 PRIMARY ROUTES OF ENTRY: Eye or skin contact, vapor and mist inhalation, and ingestion.
 TARGET ORGAN EFFECTS: None known
 REPRODUCTIVE/DEVELOPMENTAL INFORMATION: None known
 CARCINOGENIC INFORMATION: Not known to contain listed carcinogens at >0.1%
 LONG TERM EFFECTS: None known

SECTION IV - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention.
 SKIN CONTACT: Remove contaminated clothing. Wash with warm water until removed. If irritation persists, or other symptoms develop, consult a physician.
 INHALATION: Remove to fresh air. If respiratory irritation or breathing difficulty develops, give oxygen if available, and get immediate medical assistance. If breathing stops, give artificial respiration.
 INGESTION: Do not induce vomiting. Aspiration hazard. Give 8 to 16 ounces of water or milk to dilute substance. Consult a physician or local Poison Control Center immediately. Never give anything by mouth to an unconscious person.

SECTION V - FIRE FIGHTING MEASURES

FLASHPOINT (° Fahrenheit): None (aqueous)
 FLAMMABLE LIMITS: not known
 AUTOIGNITION TEMPERATURE: Not known.
 HAZARDOUS PRODUCTS OF DECOMPOSITION: In case of fire or extreme heat, the following may be produced: oxides of carbon, sulfur and nitrogen and toxic by-products or low molecular weight compounds. Smoke, vapors, and fumes may be harmful.
 EXTINGUISHING MEDIA: Water spray, foam, dry chemical powder, or carbon dioxide.
 Avoid direct water streams that may spread spilled liquids.
 FIRE FIGHTING INSTRUCTIONS: Evacuate and keep any non-responders away. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move non-burning containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Containers may rupture in extreme heat.

NFPA RATINGS:

Health: 1, Flammability: 0, Reactivity: 0

SECTION VI - ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Eliminate any ignition sources and soak up material with an absorbent such as clay, sand, or other suitable material and dispose of properly.
 LARGE SPILL: Eliminate any ignition sources and shut off source of leak if it is safe to do so. Evacuate and keep out any personnel not wearing proper protective equipment. Prevent liquid from entering sewers or waterways. Dike and contain spilled material. Remove with explosion-proof vacuum equipment or pump to storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material.

SECTION VII - HANDLING AND STORAGE

HANDLING: Handle open containers with care and with adequate ventilation. Do not handle near an open flame, heat, sparks, or other source of ignition. Wear appropriate personal protection gear (see Section 8).
 STORAGE: Store containers closed in a cool, well ventilated place away from incompatible materials (40-85°F). Do not store near an open flame, heat, or other source of ignition. Protect material from direct sunlight.

SECTION VIII - PERSONAL PROTECTION & EXPOSURE CONTROLS

EXPOSURE GUIDELINES: None known
 EYE/FACE PROTECTION: Wear safety glasses with side shields or goggles. A splash shield is recommended when splashing is possible.
 SKIN PROTECTION: Prevent skin contact. Wear protective gloves. Wear impervious clothing and boots as necessary to protect from splashes.

SECTION VIII - CONTINUED

RESPIRATORY PROTECTION: If workplace exposure limits of product or any component are exceeded, a NIOSH/MSHA approved respirator is advised.
 ENVIRONMENTAL CONTROL: Engineering controls or administrative controls should be implemented to reduce exposure.
 ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (general and local exhaust) to maintain exposure below the level of overexposure from known, suspected or apparent adverse effects.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: hazy yellow liquid
 pH: Approximately 5
 VAPOR PRESSURE: not known
 VAPOR DENSITY: Heavier than air
 BOILING POINT: approx 212° F (100 °C)
 SOLUBILITY IN WATER: Disperses
 EVAPORATION RATE: (water = 1) approximately 1
 DENSITY: Approximately 1.03 g/ml

SECTION X - STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.
 CONDITIONS TO AVOID: Avoid contact with excessive heat or cold. (>200° F or <35° F)
 MATERIALS TO AVOID: Strongly alkaline materials, Lewis Acids, or magnesium, aluminum and their alloys.
 HAZARDOUS PRODUCTS OF DECOMPOSITION: In case of fire or extreme heat, the following may be produced: oxides of carbon, sulfur and nitrogen and toxic by-products or low molecular weight compounds. Smoke, vapors, and fumes may be harmful.
 HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EYE TOXICITY: Mixture has not been tested.
 ACUTE SKIN TOXICITY: Mixture has not been tested
 ACUTE INHALATION TOXICITY: Mixture has not been tested.
 ACUTE ORAL TOXICITY: Mixture has not been tested.
 GENETIC: This mixture has not been tested.
 SENSITIZATION: This mixture has not been tested. None of the components are known or suspected skin sensitizers.
 CARCINOGENICITY: This mixture has not been tested.
 TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS: None known

SECTION XII - ECOLOGICAL INFORMATION

This mixture has not been tested.

SECTION XIII - DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: If this product becomes a waste, it may meet one or several criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40CFR261, depending upon what it is mixed with. Dispose of in accordance with all applicable federal, state, and local regulations.

SECTION XIV - TRANSPORT INFORMATION

Not regulated in all modes

SECTION XV - REGULATORY INFORMATION

US FEDERAL REGULATIONS
 TSCA Information: All components are listed, or otherwise are in compliance with TSCA notification requirements.
 CERCLA Reportable Quantities [40CFR302]: Components with known CAS numbers listed as hazardous substances and subject to reporting: None
SARA 302/304 [40CFR355]:
 Components listed as extremely hazardous substances and known to be present at or above the minimum levels as specified in 40 CFR§355.13: None
SARA 311/312 [40 CFR370]:
 ACUTE: Yes
 CHRONIC: No
 FIRE: No
 PRESSURE: No
 REACTIVITY: No

SARA 313 [40CFR372]:

Components listed as reportable and known to be present at or above the minimum levels as specified in 40 CFR§372.38(a): None
 STATE AND LOCAL REGULATIONS
 California Proposition 65: This product may contain the following chemicals known to the State of California to cause cancer or reproductive harm: ethylene oxide

SECTION XVI - OTHER INFORMATION

This information relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

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 Outside USA and Canada: **+1 703-527-3887**
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