



Powergel™/MC Heavy-duty caustic gel cleaner

Revision: 2024-07-31

Version: 03.0

1. IDENTIFICATION

Product name:	Powergel™/MC Heavy-duty caustic gel cleaner
SDS #:	MS0800021
Recommended use:	<ul style="list-style-type: none"> • Industrial/Institutional • Alkaline gel cleaner • Professional cleaning/maintenance product for food & beverage industries • This product is intended to be diluted prior to use
Uses advised against:	Uses other than those identified are not recommended
Manufacturer, importer, supplier:	<p>Canadian Headquarters Diversey Canada, Inc. 6150 Kennedy Road Unit 3 Mississauga, Ontario L5T 2J4 Phone: 1-800-668-7171</p>
US Headquarters Diversey, Inc. 1300 Altura Rd., Suite 125 Fort Mill, SC 29708 Phone: 1-888-352-2249 SDS Internet Address: https://sds.diversey.com	
Emergency telephone number:	1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Flammable liquids, Category 4
Skin corrosion, Category 1A
Serious eye damage, Category 1
Specific target organ toxicity (single exposure), Category 3
Specific target organ toxicity (repeated exposure), Category 2
Corrosive to metals, Category 1

**Signal word:****Danger.**

Hazard Statements

COMBUSTIBLE LIQUID. CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. MAY CAUSE RESPIRATORY IRRITATION. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. MAY BE CORROSIVE TO METALS.

Precautionary Statements

Causes burns/ serious damage to mouth, throat and stomach. Keep away from flames and hot surfaces. No smoking. Keep only in original container. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. Use only in a well-ventilated area. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Immediately call a Poison Center (1-800-851-7145) or physician. Get medical attention or advice if you feel unwell. Absorb spillage to prevent material damage. Keep cool. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: DO NOT MIX WITH AMMONIA, BLEACH OR OTHER CHLORINATED COMPOUNDS. Mix only with water. Can react to release hazardous gases. May vigorously react with acids resulting in spattering and excessive heat.

Health hazards not otherwise classified (HNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

Classification for the diluted product 1:10

Skin corrosion/irritation	Category 1B
Serious eye damage/eye irritation	Category 1
Metal Corrosion:	Category 1



Signal word:

Danger.

Hazard and Precautionary Statements

CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. CAUSES SERIOUS EYE IRRITATION. MAY BE CORROSIVE TO METALS.
Causes burns/ serious damage to mouth, throat and stomach. Keep container tightly closed. Keep only in original container. Avoid contact with eyes, skin and clothing. Wash affected areas thoroughly after handling. May cause irritation to mouth, throat and stomach. Wear protective gloves, protective clothing and eye or face protection. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice or attention. Immediately call a Poison Center (1-800-851-7145) or physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. Store locked up. Store in corrosive-resistant container with a resistant inner liner. Dispose of in accordance with all federal, state and local applicable regulations. SUPPLEMENTAL INFORMATION: Mix only with water. DO NOT MIX WITH ANY OTHER PRODUCT OR CHEMICAL. Can react to release hazardous gases. May vigorously react with acids resulting in spattering and excessive heat.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Sodium hydroxide	1310-73-2	10 - 30%
2-(2-ethoxyethoxy)ethanol	111-90-0	5 - 10%
N-tallow alkyl-2'-iminobis ethanol-n-oxide	61791-46-6	1 - 5%
Sodium lauryl ether sulfate	68585-34-2	1 - 5%
Diethylene glycol	111-46-6	1 - 5%
Ethyl alcohol	64-17-5	0.5 - 1.5%

4. FIRST AID MEASURES

Undiluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes.

Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash with plenty of water for at least 15 minutes.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed Not applicable.

Diluted Product:

Eyes: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists: Get medical advice/attention

Skin: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water for at least 15 minutes. Wash contaminated clothing before reuse

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting unless directed to do so by medical personnel. Drink a cupful of milk or water.

5. FIRE-FIGHTING MEASURES

Specific methods: No special methods required
Suitable extinguishing media: Use dry chemical, CO₂, water spray or "alcohol" foam.
Specific hazards: Although this product has a flash point below 200 Deg. F, it is an aqueous solution containing an alcohol and does not sustain combustion. Corrosive material (See sections 8 and 10).

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Put on appropriate personal protective equipment (see Section 8.).
Environmental precautions and clean-up methods: Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Can react to release hazardous gases. May vigorously react with acids resulting in spattering and excessive heat. Do not mix with other products or chemicals except as directed on the label. Mix only with water. COMBUSTIBLE LIQUID. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical, ventilating or lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not taste or swallow. Product residue may remain on/in empty containers. All precautions for handling the product must be used in handling the empty container and residue. Avoid breathing vapors or mists. Use only with adequate ventilation. Remove and wash contaminated clothing and footwear before re-use. Absorb spillage to prevent material damage. Do not mix with any other product or chemical. May vigorously react with acids resulting in spattering and excessive heat. FOR COMMERCIAL AND INDUSTRIAL USE ONLY.

Storage: Store in a well-ventilated place. Keep cool. Store locked up. Store in corrosive-resistant container with a resistant inner liner.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	ACGIH	OSHA
Sodium hydroxide	2 mg/m ³ (Ceiling)	2 mg/m ³ (TWA)
Ethyl alcohol	1000 ppm (STEL)	1000 ppm (TWA) 1900 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection: Chemical-splash goggles.
Hand protection: Chemical-resistant gloves.
Skin and body protection: Protective footwear. Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Diluted Product:

Engineering measures to reduce exposure:

Good general ventilation should be sufficient to control airborne levels.

Personal Protective Equipment

Eye protection: Chemical-splash goggles.
Hand protection: Chemical-resistant gloves.
Skin and body protection: Protective footwear. Wear suitable protective clothing.
Respiratory protection: No personal protective equipment required under normal use conditions.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES**Physical State** Liquid**Evaporation Rate:** No information available**Odor threshold:** No information available.**Melting point/freezing point (°C):** Not determined**Autoignition temperature:** No information available**Solubility in other solvents:** No information available**Density:** 1.23 Kg/L**Bulk density:** No information available**Flash point (°F):** 168°F > 76 °C**Kinematic viscosity** No information available**VOC:** 1.1 % ***Flammability (Solid or Gas):** Not applicable**Sustained combustion:** The product does not sustain combustion Not applicable**Explosion limits:** - upper: Not determined - lower: Not determined**Color:** Clear , Amber**Odor:** No Odor/Odorless**Boiling point/range:** Not determined**Decomposition temperature:** Not determined**Solubility:** Completely Soluble**Relative Density (relative to water):** 1.23**Vapor density:** No information available**Vapor pressure:** No information available.**Partition coefficient (n-octanol/water):** No information available**Elemental Phosphorus:** 0.00 % by wt.**pH:** >= 11.5**Corrosion to metals:** Metal corrosive**Dilution pH:** > 11**Dilution Flash Point (°F):** > 201 °F > 94 °C**VOC % by wt. at use dilution:** 0.1 %

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY**Reactivity:**

Not Applicable

Stability:

The product is stable

Possibility of hazardous reactions:

May vigorously react with acids resulting in spattering and excessive heat.

Hazardous decomposition products:

None reasonably foreseeable.

Materials to avoid:

Acids. Strong acids. Do not mix with any other product or chemical unless specified in the use directions.

Conditions to avoid:

None known.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure:**

Skin contact, Inhalation, Ingestion, Eye contact

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure**Skin contact:** Corrosive. Causes severe burns. Symptoms may include burns, blisters, redness and pain (which may be delayed).**Eye contact:** Corrosive. Causes serious eye damage. Symptoms may include pain, burning sensation, redness, watering, blurred vision or loss of vision.**Ingestion:** Causes burns/ serious damage to mouth, throat and stomach. Symptoms may include stomach pain and nausea.**Inhalation:** May cause irritation and corrosive effects to nose, throat and respiratory tract. Symptoms may include coughing and difficulty breathing.**Sensitization:** No known effects.**Target Organs (SE):** No information available**Target Organs (RE):** kidneys**Carcinogen Listings:** Ethyl alcohol is only classified as an IARC 1 carcinogen and California Prop 65 chemical when it is meant for ingestion in alcoholic beverages. We do not produce alcoholic beverages; therefore it is not considered a carcinogen in our products.**Numerical measures of toxicity****ATE - Oral (mg/kg):** >2000**ATE - Dermal (mg/kg):** >2000**ATE - Inhalatory, gases (mg/l):** >20000

ATE - Inhalatory, mists (mg/l): >5
ATE - Inhalatory, vapors (mg/l): >20

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

Waste from residues / unused products (diluted product): This product, when diluted as stated on this SDS, is a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): D002 Corrosive Waste

RCRA Hazard Class (diluted product): D002 Corrosive Waste

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: The information provided below is the full transportation classification for this product. This description does not account for the package size(s) of this product, that may fall under a quantity exception, according to the applicable transportation regulations. When shipping dangerous goods, please consult with your internal, certified hazardous materials specialist to determine if any exceptions can be applied to your shipment.

DOT (Ground) Bill of Lading Description: UN1824, SODIUM HYDROXIDE SOLUTION, 8, II

IMDG (Ocean) Bill of Lading Description: UN1824, SODIUM HYDROXIDE SOLUTION, 8, II

15. REGULATORY INFORMATION

International Inventories at CAS# Level

TSCA All components are listed or otherwise exempt
DSL All components are listed or otherwise exempt

US RIGHT TO KNOW (RTK)

Ingredient(s)	CAS #	MARTK:	NJRTK:	PARTK:	RIRTK:
Water	7732-18-5	-	-	-	-
Sodium hydroxide	1310-73-2	X	X	X	X
2-(2-ethoxyethoxy)ethanol	111-90-0	-	X	-	-
N-tallow alkyl-2`-iminobis ethanol-n-oxide	61791-46-6	-	-	-	-
Sodium lauryl ether sulfate	68585-34-2	-	-	-	-
Diethylene glycol	111-46-6	-	-	X	-
Ethyl alcohol	64-17-5	X	X	X	-

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Sodium hydroxide	1310-73-2	10 - 30%	1000		
2-(2-ethoxyethoxy)ethanol	111-90-0	5 - 10%			X

Clean Air Act/Clean Water Act

Ingredient(s)	CAA HAP	CAA ODS	CWA Priority Pollutants
2-(2-ethoxyethoxy)ethanol	X		

Canadian Regulations

Ingredient(s)	CAS #	NPRI
Ethyl alcohol	64-17-5	X

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 3

Flammability 2

Instability 0

Special Hazards -

Diluted Product:

Health 3

Flammability 0

Instability 0

Special Hazards -

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Version: 03.0

Reason for revision: Not applicable

Prepared by: North American Regulatory Affairs

Additional advice: • Does not contain an added fragrance

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