Safety Data Sheet

EcoMax Power Clean

Revision: 2024-04-02 **Version:** 02.0

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

1.1 Product identifier
Trade Name: EcoMax Power Clean

1.2 Recommended use and restrictions on use
See product label.
For professional use only.

1.3 Details of the supplier of the safety data sheet
Diversey Philippines Inc

Contact details
6756 Ayala Avenue
8 Floor Bankmer Building
Makati City 1226 Philippines
Tel. +63 2 8271 2400

1.4 Emergency telephone number
In case of medical emergency, please seek professional medical advice.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Eye irritation, Category 2 (H319)

2.2 Label elements

Signal word: Warning.

Hazard statements:
H319 - Causes serious eye irritation.

Precautionary statements:
P264 - Wash face, hands and any exposed skin thoroughly after handling.
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 or attention.
P501 - Dispose of unused content as chemical waste.

2.3 Other hazards
No other hazards known.

2.4 Classification diluted product:

Maximum recommended use concentration (% w/w): 0.2

Not classified as hazardous

SECTION 3: Composition/information on ingredients

3.1 Substances / Mixtures

Ingredient(s)	CAS #	Classification	Weight %
Benzenesulfonic acid, sodium salt	90194-45-9	Acute toxicity - Oral, Category 4 (H302) Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)	10-20
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	68585-34-2	Skin irritation, Category 2 (H315) Serious eye damage, Category 1 (H318) Chronic aquatic toxicity, Category 3 (H412)	3-10

[4] Polymer.
Workplace exposure limit(s), if available, are listed in subsection 8.1.
For the full text of the H and EUH phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation: Get medical attention or advice if you feel unwell.

Skin contact: Wash skin with plenty of lukewarm, gently flowing water. If skin irritation occurs: Get medical advice or attention.

Eye contact: Hold eyelids apart and flush eyes with plenty of lukewarm water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs and persists, get medical attention.

Ingestion: Rinse mouth. Immediately drink 1 glass of water. Never give anything by mouth to an unconscious person. Get medical attention or advice if you feel unwell.

Self-protection of first aider: Consider personal protective equipment as indicated in subsection 8.2.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: No known effects or symptoms in normal use.

Skin contact: No known effects or symptoms in normal use.

Eye contact: Causes severe irritation.

Ingestion: No known effects or symptoms in normal use.

4.3 Indication of immediate medical attention and notes for physician.
No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture
No special hazards known.

5.3 Advice for firefighters
As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No special measures required.

6.2 Environmental precautions
Dilute with plenty of water. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up
Dike to collect large liquid spills. Absorb with liquid-binding material (sand, diatomite, universal binders). Do not place spilled materials back into the original container. Collect in closed and suitable containers for disposal.

6.4 Reference to other sections
For personal protective equipment see subsection 8.2. For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Measures to prevent fire and explosions:
No special precautions required.

Measures required to protect the environment:
For environmental exposure controls see subsection 8.2.

Advices on general occupational hygiene:
Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products unless adviced by Diversey. Wash hands before breaks and at the end of workday. Avoid contact with eyes. Use only with adequate ventilation. See section 8.2, Exposure controls / Personal protection.

7.2 Conditions for safe storage, including any incompatibilities
Store in accordance with local and national regulations. Store in a closed container. Keep only in original container. Keep away from heat and direct sunlight.
For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3 Specific end use(s)
No specific advice for end use available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Workplace exposure limits

Air limit values, if available:

Biological limit values, if available:

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2 of the Safety Data Sheet.
If available, please refer to the product information sheet for application and handling instructions.
Normal use conditions are assumed for this section.

Recommended safety measures for handling the undiluted product:
Covering activities such as filling and transfer of product to application equipment, flasks or buckets

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: Avoid direct contact and/or splashes where possible. Train personnel.

Personal protective equipment
Eye / face protection: Safety glasses are not normally required. However, their use is recommended in those cases where splashes may occur when handling the product (EN 16321 / EN 166).
Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Body protection: No special requirements under normal use conditions.
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

Recommended safety measures for handling the diluted product:

Maximum recommended use concentration (% w/w): 0.2

Appropriate engineering controls: No special requirements under normal use conditions.
Appropriate organisational controls: No special requirements under normal use conditions.

Personal protective equipment
Eye / face protection: No special requirements under normal use conditions.
Hand protection: Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Body protection: No special requirements under normal use conditions
Respiratory protection: No special requirements under normal use conditions.

Environmental exposure controls: No special requirements under normal use conditions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

	Method / remark
Physical State: Liquid	
Color: Clear , Green	
Odor: Product specific	
Odor threshold: Not applicable	
pH: ≈ 6 (neat)	ISO 4316
Dilution pH: ≈ 7 (0.2 %)	ISO 4316
Melting point/freezing point (°C): Not determined	Not relevant to classification of this product
Initial boiling point and boiling range (°C): Not determined	

Flammability (liquid): Not flammable.
Flash point (°C): Not determined
Sustained combustion: Not applicable
(UN Manual of Tests and Criteria, section 32, L.2)

Evaporation Rate: Not determined — Not relevant to classification of this product
Flammability (solid, gas): Not applicable to liquids
Lower and upper explosion limit/flammability limit (%): Not determined
Vapor pressure: Not determined
Relative density: ≈ 1.03 (20 °C) — OECD 109 (EU A.3)
Relative vapor density: No data available. — Not relevant to classification of this product
Particle characteristics: No data available. — Not applicable to liquids.
Solubility in / Miscibility with water: Fully miscible
Partition coefficient: n-octanol/water No information available.

Substance data, partition coefficient n-octanol/water (log Kow): see subsection 12.3

Autoignition temperature: Not determined
Decomposition temperature: Not applicable
Kinematic viscosity: Not determined — DM-006 Viscosity - Standard
Explosive properties: Not explosive.
Oxidising properties: Not oxidising.

9.2 Other information
Surface tension (N/m): Not determined
Corrosion to metals: Not corrosive to metals

SECTION 10: Stability and reactivity

10.1 Reactivity
No reactivity hazards known under normal storage and use conditions.

10.2 Chemical stability
Stable under normal storage and use conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions known under normal storage and use conditions.

10.4 Conditions to avoid
None known under normal storage and use conditions.

10.5 Incompatible materials
None known under normal use conditions.

10.6 Hazardous decomposition products
None known under normal storage and use conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Mixture data: .

Relevant calculated ATE(s):
ATE - Oral (mg/kg): >2000

Skin irritation and corrosivity
Result: Not corrosive or irritant **Species:** Not applicable **Method:** Weight of Evidence
Eye irritation and corrosivity
Result: Eye irritant 2 **Method:** Weight of Evidence

Substance data, where relevant and available, are listed below:.

Acute toxicity
Acute oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)

Benzenesulfonic acid, sodium salt	LD_{50}	> 1470	Rat	OECD 401 (EU B.1)	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	LD_{50}	> 2000	Rat	OECD 401 (EU B.1)	

Acute dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg)	Species	Method	Exposure time (h)
Benzenesulfonic acid, sodium salt		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	LD_{50}	> 2000	Rat	OECD 402 (EU B.3)	

Acute inhalative toxicity

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Benzenesulfonic acid, sodium salt		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available			

Irritation and corrosivity

Skin irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Benzenesulfonic acid, sodium salt	Irritant	Rabbit	OECD 404 (EU B.4)	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Irritant	Rabbit	OECD 404 (EU B.4)	

Eye irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Benzenesulfonic acid, sodium salt	Severe damage	Rabbit	OECD 405 (EU B.5)	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Severe damage	Rabbit	OECD 405 (EU B.5)	

Respiratory tract irritation and corrosivity

Ingredient(s)	Result	Species	Method	Exposure time
Benzenesulfonic acid, sodium salt	No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available			

Sensitisation

Sensitisation by skin contact

Ingredient(s)	Result	Species	Method	Exposure time (h)
Benzenesulfonic acid, sodium salt	Not sensitising	Guinea pig	OECD 406 (EU B.6) / GPMT	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	Not sensitising	Guinea pig	OECD 406 (EU B.6)	

Sensitisation by inhalation

Ingredient(s)	Result	Species	Method	Exposure time
Benzenesulfonic acid, sodium salt	No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available			

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

Ingredient(s)	Result (in-vitro)	Method (in-vitro)	Result (in-vivo)	Method (in-vivo)
Benzenesulfonic acid, sodium salt	No data available		No data available	
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available		No data available	

Carcinogenicity

Ingredient(s)	Effect
Benzenesulfonic acid, sodium salt	No data available
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available

Toxicity for reproduction

Ingredient(s)	Endpoint	Specific effect	Value (mg/kg bw/d)	Species	Method	Exposure time	Remarks and other effects reported
Benzenesulfonic acid, sodium salt			No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)			No data available				

Repeated dose toxicity

Sub-acute or sub-chronic oral toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Benzenesulfonic acid, sodium salt		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	NOAEL	No data available	Rat	OECD 408 (EU B.26)	90	

Sub-chronic dermal toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Benzenesulfonic acid, sodium salt		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				

Sub-chronic inhalation toxicity

Ingredient(s)	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time (days)	Specific effects and organs affected
Benzenesulfonic acid, sodium salt		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				

Chronic toxicity

Ingredient(s)	Exposure route	Endpoint	Value (mg/kg bw/d)	Species	Method	Exposure time	Specific effects and organs affected	Remark
Benzenesulfonic acid, sodium salt			No data available					
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)			No data available					

STOT-single exposure

Ingredient(s)	Affected organ(s)
Benzenesulfonic acid, sodium salt	No data available
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available

STOT-repeated exposure

Ingredient(s)	Affected organ(s)
Benzenesulfonic acid, sodium salt	No data available
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available

Aspiration hazard

Substances with an aspiration hazard (H304), if any, are listed in section 3.

Potential adverse health effects and symptoms

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

SECTION 12: Ecological information

12.1 Toxicity

No data is available on the mixture .

Substance data, where relevant and available, are listed below:

Aquatic short-term toxicity

Aquatic short-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Benzenesulfonic acid, sodium salt	LC_{50}	1.67	*Lepomis macrochirus*	EPA-OPPTS 850.1075	96
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	LC_{50}	> 1 - 10	*Brachydanio rerio*	OECD 203, flow-through	96

Aquatic short-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Benzenesulfonic acid, sodium salt	EC_{50}	1.62	*Daphnia*		48

			magna Straus		
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	EC_{50}	> 1 - 10	*Daphnia magna Straus*	OECD 202, static	48

Aquatic short-term toxicity - algae

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (h)
Benzenesulfonic acid, sodium salt	EC_{50}	29	*Selenastrum capricornutum*		96
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	EC_{50}	> 1 - 10		OECD 201, static	72

Aquatic short-term toxicity - marine species

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time (days)
Benzenesulfonic acid, sodium salt		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available			

Impact on sewage plants - toxicity to bacteria

Ingredient(s)	Endpoint	Value (mg/l)	Inoculum	Method	Exposure time
Benzenesulfonic acid, sodium salt		No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	EC_{10}	> 10000	*Pseudomonas*		

Aquatic long-term toxicity

Aquatic long-term toxicity - fish

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Benzenesulfonic acid, sodium salt		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				

Aquatic long-term toxicity - crustacea

Ingredient(s)	Endpoint	Value (mg/l)	Species	Method	Exposure time	Effects observed
Benzenesulfonic acid, sodium salt		No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)		No data available				

Aquatic toxicity to other aquatic benthic organisms, including sediment-dwelling organisms, if available:

Terrestrial toxicity

Terrestrial toxicity - earthworms, if available:

Terrestrial toxicity - plants, if available:

Terrestrial toxicity - birds, if available:

Terrestrial toxicity - beneficial insects, if available:

Terrestrial toxicity - soil bacteria, if available:

12.2 Persistence and degradability

Abiotic degradation

Abiotic degradation - photodegradation in air, if available:

Abiotic degradation - hydrolysis, if available:

Abiotic degradation - other processes, if available:

Biodegradation

Ready biodegradability - aerobic conditions

Ingredient(s)	Inoculum	Analytical method	DT_{50}	Method	Evaluation
Benzenesulfonic acid, sodium salt	Activated sludge, aerobe	CO_2 production	85% in 29 day(s)	OECD 301B	Readily biodegradable
Alcohols, C10-16, ethoxylated, sulfated, sodium salts	Activated sludge,	CO_2 production	> 60 % in 28	OECD 301B	Readily biodegradable

(3 EO)	aerobe		day(s)		

Ready biodegradability - anaerobic and marine conditions, if available:

Degradation in relevant environmental compartments, if available:

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

Ingredient(s)	Value	Method	Evaluation	Remark
Benzenesulfonic acid, sodium salt	No data available			
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available			

Bioconcentration factor (BCF)

Ingredient(s)	Value	Species	Method	Evaluation	Remark
Benzenesulfonic acid, sodium salt	No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available				

12.4 Mobility in soil

Adsorption/Desorption to soil or sediment

Ingredient(s)	Adsorption coefficient Log Koc	Desorption coefficient Log Koc(des)	Method	Soil/sediment type	Evaluation
Benzenesulfonic acid, sodium salt	No data available				
Alcohols, C10-16, ethoxylated, sulfated, sodium salts (3 EO)	No data available				

12.5 Other adverse effects

No other adverse effects known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste from residues / unused products (undiluted product): The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

Empty packaging
Recommendation: Dispose of observing national or local regulations.
Suitable cleaning agents: Water, if necessary with cleaning agent.

SECTION 14: Transport information

Land transport, Sea transport (IMDG), Air transport (ICAO-TI / IATA-DGR)
14.1 UN number: Non-dangerous goods
14.2 UN proper shipping name: Non-dangerous goods
14.3 Transport hazard class(es): Non-dangerous goods
14.4 Packing group: Non-dangerous goods
14.5 Environmental hazards: Non-dangerous goods
14.6 Special precautions for user: Non-dangerous goods
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Non-dangerous goods

SECTION 15: Regulatory information

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

National regulations
• DOLE Department Order No. 136-14 Guidelines for the Implementation of Globally Harmonized System (GHS) in Chemical Safety Program in the Workplace
• JOINT DTI-DENR-DA-DOF-DOH-DILG-DOLE-DOTC ADMINISTRATIVE ORDER NO. 01 Series of 2009. The Adoption and Implementation of the Globally Harmonized System of Classification and Labeling of Chemicals (GHS)

SECTION 16: Other information

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract

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Reason for revision:
This data sheet contains changes from the previous version in section(s):, 2, 7, 8, 9, 15

Classification procedure
The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

Abbreviations and acronyms:
- AISE - The international Association for Soaps, Detergents and Maintenance Products
- ATE - Acute Toxicity Estimate
- DNEL - Derived No Effect Level
- EC50 - effective concentration, 50%
- ERC - Environmental release categories
- EUH - CLP Specific hazard statement
- LC50 - Lethal Concentration, 50% / Median Lethal Concentration
- LCS - Life cycle stage
- LD50 - Lethal Dose, 50% / Median Lethal dose
- NOAEL - No observed adverse effect level
- NOEL - No observed effect level
- OECD - Organization for Economic Cooperation and Development
- PBT - Persistent, Bioaccumulative and Toxic
- PNEC - Predicted No Effect Concentration
- PROC - Process categories
- REACH number - REACH registration number, without supplier specific part
- vPvB - very Persistent and very Bioaccumulative
- H302 - Harmful if swallowed.
- H315 - Causes skin irritation.
- H318 - Causes serious eye damage.
- H412 - Harmful to aquatic life with long lasting effects.

End of Safety Data Sheet