



Safety Data Sheet

Optimum Power Clean

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System Date of Revision: 06/09/2023 Revision: 01

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Optimum Power Clean

1.2 Synonym: Blend

1.3 Optimum Polymer Technologies, Inc., 5768 Distribution Drive, Memphis, TN 38141, 901.363.4955, Email: info@optimumcarcare.com

1.4 Recommended Use: All-Purpose Cleaner

1.5 RESTRICTIONS on USE None

1.6 Emergency Response Number: CHEMTREC 800-424-9300 US and Canada

International Emergency Telephone Number: +1-703-527-3887

1.7 24 Hour Emergency Assistance: 1-901-292-4324

Section 2 - Hazards Identification

2.1 GHS HAZARD

Hazard Classes

Hazard Categories

Eye Damage

Category 1

Skin Corrosion

Category 1

Acute Toxicity Oral

Category 4

Skin Sensitization

Category 1

Specific Target Organs Single Exposure

Category 3

Harmful to Aquatic life long-lasting effects

Category 3

2.2 Signal Word: Danger

2.3 Pictograms:



Corrosion



Irritant



Keep away from children

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2.4 Hazard Statements

PHYSICAL HAZARDS:	None
HEALTH HAZARDS	H302: Harmful if swallowed. H314: Causes serious skin burns and eye damage. H318: Causes serious eye damage. H335: May cause respiratory irritation.
ENVIRONMENTAL HAZARDS:	H412: Harmful to Aquatic life, long-lasting effects.
PRECAUTIONARY STATEMENTS:	P102: Keep out of reach of children. P261: Avoid breathing mist. H272: Contaminated work clothing should not be allowed out of the workplace. P264: Wash hands thoroughly after handling. P270: Do not eat, drink, or smoke when using this product. P271: Use only outdoors or in a well-ventilated area. P273: Avoid release to the environment. P280: Wear protective gloves or eye protection.
RESPONSE STATEMENTS:	P301 +310+ P331: IF SWALLOWED: <u>USA</u> Immediately call the National POISON CENTER at 800-222-1222 . <u>OUTSIDE USA</u> Immediately call a poison center or doctor. DO NOT induce vomiting. P303+P353+P361: Take off immediately all contaminated clothing. Rinse skin with water. Wash with plenty of water. P304+P340: IF INHALED, remove person to fresh air and keep comfortable for breathing. P305+P351: IF IN EYES: Rinse cautiously with water for at least 15 minutes. If present, remove contact lenses if easy to do so. P310: Immediately call POISON CENTER or doctor. P313+P313: If skin irritation or rash occurs, get medical attention. P330: Rinse mouth. P362+P364: Take off contaminated clothing and wash them before reuse.
STORAGE STATEMENTS:	P403+P235: Store in a well-ventilated place. Keep cool. P405: Store locked up.

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DISPOSAL STATEMENTS:

P501: Dispose of content and container per local, regional, national, or international regulations

2.5 Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 3 - Composition / Information on Ingredients

3.1

CAS#	EC/ List #	Chemical Names	Percent	GHS Classification
68439-46-3	614-482-0	Alcohols, 9-11, ethoxylated	4-6	Acute Tox. 4 H302, Eye Dam 1 H318
6834-92-0	229-912-9	Disodium metasilicate	0.6-1.8	Skin Corr. 1B H314, STOT SE H335. 2 H315, Eye Irrit.2 H319
29911-28-2	249-951-5	1-(2-butoxy-1-methylethoxy)propan-2-ol	0.5-0.8	Not Classified
5989-27-5	227-813-5	d-Limonene Fragrance allergens	0.1-.0.3	Flam. Liq. 3 H226 Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410
1310-73-2	215-185-5	Sodium hydroxide	.05-.07	2 H315, Eye Irrit.2 H319
7732-18-5	231-791-2	Water	93.2-94.6	Not Classified

3.2 Trade Secret Provision and Chemical Concentration Disclosure: Per OSHA and GHS Regulations, we have withheld specific percentages of the chemicals in this mixture. The chemical concentrations have been disclosed as a range and apply to the hazards identified in this Safety Data Sheet.

Section 4 - First Aid Measures

4.1 Eye: Contact with the eyes can irritate. Symptoms may include discomfort or pain and redness.

Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

4.2 Skin: Contact can cause skin irritation.

Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid immediately and wash clothing before reuse.

4.3 Ingestion: Causes headache, gastrointestinal pain, and nausea.

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Ingestion: Do NOT induce vomiting. Get medical aid immediately.

4.4 Inhalation: Can produce headaches, dizziness, nausea, and impaired vision.

Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult and **IF TRAINED**, give oxygen. Get medical aid. Do NOT use mouth-to-mouth resuscitation without protection.

4.5 After first aid, get appropriate paramedic or community medical support. The severity of outcome following exposure may be more related to the time between exposure and treatment than the amount of exposure. Therefore, there is a need for rapid treatment of any exposure.

4.6 Note to Physicians: If you determine that a medical emergency exists and the specific chemical identity is necessary for emergency or first-aid treatment, we will immediately disclose the specific chemical identity. Call CHEMTREC at 800-424-9300 or 703-527-3887. We will require a written statement of need and confidentiality agreement, per OSHA's Trade Secret Regulations, as soon as circumstances permit. In non-emergency situations, we will, upon written request, disclose a specific chemical identity.

Section 5 - Fire-Fighting Measures

5.1 General Fire Hazards: Use water to cool containers exposed to fire.

5.2 Hazardous Combustion Products: Avoid fumes of burning products.

5.3 Extinguishing Media: Carbon dioxide, dry chemical, foam.

5.4 Fire Fighting Equipment/Instructions: Firefighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Firefighters should avoid inhaling any combustion products.

Section 6 - Accidental Release Measures

6.1 Spill /Leak Procedures: Avoid breathing mist.

6.2 Spills: Contain and collect spillage with absorbent material such as sand, earth, vermiculite, or diatomaceous earth and place it in a container for disposal.

Section 7 - Handling and Storage

7.1 Handling Precautions: Wash hands and exposed skin thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid ingestion and contact with eyes, skin, or clothing. Avoid inhalation.

7.2 Storage Requirements: Keep the container tightly closed. Store locked up in a well-ventilated place.

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Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Alcohols, 9-11, ethoxylated	Not Established	Not Established
Disodium metasilicate	3mg/m3	3mg/m3
1-(2-butoxy-1-methylethoxy)propan-2-ol	None Shown	None Shown
d-Limonene Fragrance allergens	30 ppm TWA	None Shown
Sodium hydroxide	2mg/m3C	2/mg/m3C

8.2

ACGIH® = American Conference of Governmental Industrial Hygienists. TLV® = Threshold Limit Value.

OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits.

NOTE: TWA Means "TWA is the employee's average airborne exposure in any 8-hour work shift of a 40-hour workweek which shall not be exceeded.

C Means: Maximum allowable human exposure limit for an airborne or gaseous substance), which is not to be exceeded even momentarily.

8.3 Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below TLV/PELs. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

8.4 Contaminated Equipment: Separate contaminated work clothes from street clothes and launder before reuse. Remove this material from your shoes and clean personal protective equipment.

8.5 Personal protective equipment

8.5.1 Respiratory protection

Where risk assessment shows that air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

8.5.2 Hand protection

Handle with gloves. Gloves must be inspected before use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use. Select gloves tested to the **ANSI/ISEA 105-2011** or European EN374 Standard.

Full contact: Viton

Splash contact: Viton

Registered trademark of The Chemours Company FC, LLC.

8.5.3 Eye protection

Safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

8.5.4 Skin and body protection

Impervious protective clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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8.6 Protective Clothing Pictograms



Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid

Appearance: Clear Orange

Odor: Mild

Vapor Pressure: Not Available

Vapor Density (Air=1): 1.03

Specific Gravity (H₂O=1): 1.00

Relative Density: Not Available

Odor Threshold: Not Available

Flammability (solid, gas): Not Applicable

Evaporation rate: Not Available

Partition coefficient octanol/water: Not Available

Water Solubility: 100%

Flash Point: Not Available

Boiling Point: 212°F (100 °C)

Freezing/Melting Point: 32°F, 0 °C

LEL: Not Available

UEL: Not Available

Viscosity: 10cps

Autoignition Temperature: Not Available

Decomposition temperature: Not Available

pH: 11.5

Grams VOC less water: 6g

Section 10 - Stability and Reactivity

10.1 Stability: Stable under ordinary conditions of use and storage.

10.2 Polymerization: Hazardous polymerization has not been reported.

10.3 Chemical Incompatibilities: Strong oxidizing agents.

10.4 Hazardous Decomposition Products: Carbon monoxide.

10.5 Conditions to Avoid: Avoid freezing.

Section 11- Toxicological Information

11.1

Acute Toxicity Estimate for this blend (ATE)

ATE (Oral): 1280 mg/kg.

ATE (Dermal): 2000mg/kg.

ATE (Inhalation vapor/mist): No indication of a significant effect on humans.

11.1.1 OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause Oral Toxicity.

11.1.2 OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product are Inhalation Toxicity.

11.1.3 OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to Dermal Toxicity.

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11.2 Route of Entry: Inhalation, Ingestion. Skin and Eye Contact

11.3 Aspiration Hazard: European Chemical Agency Database shows that no components of this product may be fatal if swallowed and enters the airways.

11.4 Mutagenicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause genetic defects.

11.5 Skin Corrosion/Irritation: OECD Guideline Test results found in the European Chemical Agency Databased show that components of this product cause skin burns.

11.6 Serious Eye Damage/Irritation: OECD Guideline Test results found in the European Chemical Agency Database show that this product's components cause eye damage.

11.7 Reproductive toxicity: OECD Guideline Test results found in the European Chemical Agency Database show no components of this product to cause damage to fertility or the unborn child.

11.8 Skin Sensitization OECD Guideline Test results found in the European Chemical Agency Database show components of this product cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Tests results found in the European Chemical Agency Database show components of this product cause respiratory sensitivity.

11.10 Specific Target Organ Toxicity (Single Exposure): Skin, eyes, and respiratory tract.

11.11 Target Organ Toxicity (Repeated Exposure): Skin, eyes, and respiratory tract.

11.12 Signs and Symptoms: Include discomfort or pain, redness, and respiratory irritation.

11.13 Carcinogenicity: The OECD Guideline Test results found in the European Chemical Agency Database show that no components of this product cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Alcohols, 9-11, ethoxylated	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%
Disodium metasilicate	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%
1-(2-butoxy-1-methylethoxy)propan-2-ol	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%
d-Limonene Fragrance allergens	Not classifiable as to carcinogenicity to humans	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%
Sodium hydroxide	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%	No component of this product is present at levels greater than or equal to 0.1%

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Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Alcohols, 9-11, ethoxylated	EC50 100 mg/l	Algae	72 hours
Disodium metasilicate	LC50 210 mg/l	Fish	96 hours
1-(2-butoxy-1-methylethoxy)propan-2-ol	LC50 841 mg/l	Fish	96 hours
d-Limonene Fragrance allergens	Harmful to aquatic organisms. May cause long-term adverse effects on the environment		
Sodium hydroxide	LC50 125 mg/l	Fish	96 hours

Toxicity: OECD Guideline Test results found in the European Chemical Agency DataBase show components of this product to cause long-term harmful toxicity to aquatic life.

12.2 Mobility: Inconclusive technical data.

12.3 Persistence/degradability: Inconclusive technical data.

12.4 Bioaccumulation: Inconclusive technical data.

12.5 Other adverse effects: Inconclusive technical data.

Section 13 - Disposal Considerations

13.1 Disposal: DO NOT REUSE EMPTY CONTAINER! The container should be emptied before being discarded. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 - Transport Information

14.1 US Transport Information



ID No.: UN 3266

Shipping Name: Corrosive liquid, basic, inorganic, n.o.s.(Disodium metasilicate, Sodium Hydroxide)

Hazard Class: 8

Packing Group: III

Label: Corrosive

Placard: Corrosive

Marking: MARINE POLLUTANT None

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14.2 IMDG Transport Information



ID No.: UN 3266

Shipping Name: Corrosive liquid, basic, inorganic, n.o.s(Disodium metasilicate, sodium hydroxide)

Hazard Class: 8

Packing Group: III

Label: Corrosive

Placard: Corrosive

Flash Point: None

EmS Number: F-A, S-B

Marking: Marine Pollutant None

14.3 UN Dangerous Goods Transport Information



ID No.: UN 3266

Shipping Name: Corrosive liquid, basic, inorganic, n.o.s(Disodium metasilicate, Sodium Hydroxide)

Hazard Class: 8

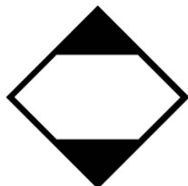
Packing Group: III

Label: Corrosive

Placard: Corrosive

Marking: MARINE POLLUTANT None

14.4



Use marking when shipping as a limited quantity ground in the US

DOT Transport Limited Quantity/Consumer Commodity

Inner packaging not over

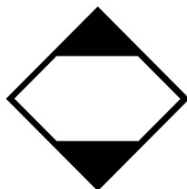
5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

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14.5



Use marking when shipping as a limited quantity by vessel

IMDG Transport Limited Quantity

Inner packaging not over

5.0L (1.3 gallons) net capacity each.

Outer Package not over 30kg (66lbs) each

I ID No.: UN 3266

Shipping Name: Corrosive liquid, basic, inorganic, n.o.s(Disodium metasilicate, sodium hydroxide) LTD. Qty.

Hazard Class: 8

Packing Group: III

Label: Corrosive

Placard: Corrosive

Flash Point: None

EmS Number: F-A, S-B

Marking: Marine Pollutant None

Section 15 - Regulatory Information

15.1 US Regulations

US. Toxic Substances Control Act: All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

Toxic Release Inventory (TRI): This product doesn't contain chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know- Act of 1986 (40 CFR 372).

CERCLA Hazardous Substances and corresponding RQs: Sodium Hydroxide 1000 lbs.

SARA Community Right-to-Know Program: All components in this blend.

Clean Water Act: None

Clean Air Act: None

OSHA: All ingredients are regulated by 29 CFR 1910.1200.

State Regulations

California prop. 65: None

Chemicals on the following State Right to Know Lists:

Massachusetts: All components of this product are on the Massachusetts Inventory or are exempt from Inventory requirements

New Jersey: All components of this product are on the New Jersey inventory or are exempt from Inventory requirements

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Pennsylvania: All components of this product) are on the Pennsylvania Inventory or are exempt from Inventory requirements.

15.4 International Regulations:

Australian Inventory of Chemical Substances: All components of this product are on the Inventory or are exempt from Inventory requirements.

National Existing Chemical Inventory in Taiwan: All components of this product are on the Inventory or are exempt from Inventory requirements.

Philippine Inventory of Chemicals and Chemical Substances All product components are on the Inventory or exempt from Inventory requirements.

China Existing Chemical Inventory: All components of this product are in the Inventory or are exempt from Inventory requirements.

Section 16 - Other Information

16.1 Disclaimer: The information presented in this Safety Data Sheet is based on data believed to be accurate as of the date this Safety Data Sheet was prepared. HOWEVER, NO responsibility is assumed for any damage or injury resulting from abnormal use or from any failure to adhere to recommended practices. The information provided above is furnished on the condition that the person receiving them shall determine the suitability of the product for their particular purpose and on the condition that they assume the risk of their use.

16.2 References: CHEMpendium database of the Canadian Centre for Occupational Health and Safety (CCOHS), JJ Keller online, European Chemical Agency Data Base, and MSDS and SDS of chemicals in this mixture.

16.4 SDS Preparation Date 06/09/2023

SDS Previous Issue Date: 07/17/2020

SDS Revision Date: 06/06/2022 **Revised sections:** 2,6,11,14,15,16

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END OF SAFETY SHEET