Safety Data Sheet

Optimum Opti-Clean Concentrate

Conforms to OSHA CFR 29 1910.1200 and aligns to the United Nations Globally Harmonized System
Date of Revision: 06/09/2023 **Revision: 02**

Section 1 - Chemical Product and Company Identification

1.1 Product Name: Optimum Opti-Clean Concentrate
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: **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 Irritation	Category 2A
Skin Irritation	Category 2
Skin Sensitization	Category 1
Harmful to Aquatic Life Long-Lasting Effects	Category 3

2.2 Signal Word: Warning

2.3*Pictograms:*

Irritant

2.4 *Hazard Statements*

PHYSICAL HAZARDS:	**None**
HEALTH HAZARDS	**H315: Causes skin irritation** **H317 May cause an allergic skin reaction** **H319: Causes serious eye 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** **P280: Wear protective gloves or eye protection** **P273: Avoid release to the environment**
RESPONSE STATEMENTS:	**P302+P352: IF ON SKIN: Wash with plenty of water** **P305+P351: IF IN EYES: Rinse cautiously with water for at least 15 minutes. If present, remove contact lenses if easy to do so** **P313+P332+P337: If skin or eye irritation persists get medical attention** **P362+P364: Take off contaminated clothing and wash them before reuse**
STORAGE STATEMENTS:	**None**
DISPOSAL STATEMENTS:	**P501: Dispose of content and container following 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
N/A	N/A	Citrus Quat Fragrance allergens 5392-40-5 Citral 106-22-9 Citronellol 97-53-0 Eugenol 4602-84-0 Farnesol 106-24-1 Geraniol 5989-27-5 Limonene 78-70-6 Linalool	2-4	**Citral-** Skin Irrit 2 H315, Skin Sens 1 H317 **Citronellol,** Skin Sens 1 H317 **Eugenol-** Skin Sens 1 H317, Eye Irrit.2A H319 **Farnesol:** Skin Irrit. 2H315, Skin Sens. 1 H317 **Geraniol:** Flam Liq. 4 H227, Skin Irrit. 2 H315, Eye Dam. 1 H318, Skin Sens. 1 H317 **Limonene-** Flam. Liq. 3 H226 Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410 **Linalool:** Skin Sens. 1 H317
68604-75-1	614-644-0	Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane-quaternized	1.2-2.8	Acute Tox. 4 H302, Skin Irrit. 2 H315, Eye Dam. 1 H318, Aquatic Chronic 3 H412
63148-62-9	613-156-5	Dimethyl siloxane	0.8-4	Not classified
78330-21-9	934-084-3	Alcohols, C11-14-iso-, C13-rich, ethoxylated	0.8-4	Acute Tox. 4 H302, Eye Dam 1 H318
107-41-5	203-489-0	2-methylpentane-2,4-diol	.04-0.2	Skin Irrit. 2 H315, Eye Irrit.2 H319
34590-94-8	252-104-2	(2-methoxymethylethoxy)propanol	.04-0.12	Not Classified
6440-58-0	229-222-8	1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	0.04-0.08	Acute Tox. 4 H302
107-07-3	203-459-7	2-chloroethanol	0.02-0.2	Acute Tox,2 H300, Acute Tox.1 H310, Acute Tox. 2 H330
57-55-6	200-338-0	Propane-1,2-diol	.0004-0.012	Not Classified
7732-18-5	231-791-2	Water	86.59-93.06	Not Classified

3.3 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 as 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, nausea.

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, rather than the amount of the 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 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 vapors.

6.2 Spills: Contain and collect spillage with absorbent material such as sand, earth, vermiculite, or diatomaceous earth and place 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 container tightly closed. Store locked up in a well-ventilated place.

Section 8 - Exposure Controls / Personal Protection

8.1

Chemical Names	ACGIH- TLV	OSHA - PEL
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane-quaternized	Not Established	Not Established
Dimethyl siloxane	None Shown	None Shown
Alcohols, C11-14-iso-, C13-rich, ethoxylated	None Shown	None Shown
2-methylpentane-2,4-diol	25 ppm TWA	25 PPM TWA
(2-methoxymethylethoxy)propanol	100 ppm TWA	100 ppm TWA
1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	None Shown	None Shown
2-chloroethanol	1 ppm C	1ppm C
Propane-1,2-diol	10mg/m3 TWA	10mg/m3 TWA

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, 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

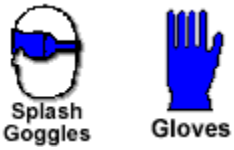
the respirator is the sole means of protection, use a full-face supplied-air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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.

8.6 Protective Clothing Pictograms



Section 9 - Physical and Chemical Properties

9.1

Physical State: Liquid
Appearance: Milky White
Odor: Mild
Vapor Pressure: Not Available
Vapor Density (Air=1): 1.02
Specific Gravity (H_2O=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: 6.5 -7.5
Grams VOC less water: 30g/l

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): >5000 mg/kg. No indication of a significant effect on humans.
ATE (Dermal): No indication of a significant effect on humans.
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 Data Base shows that no components of this product to cause Oral Toxicity.

11.11.2 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to be Inhalation Toxicity.

11.11.3 OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to Dermal Toxicity.

11.2 Route of Entry: Skin and Eye Contact

11.3 Aspiration Hazard: European Chemical Agency Data Base shows that no components of this product may be fatal if swallowed and enters 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 Data Base shows that components of this product to cause skin irritation.

11.6 Serious Eye Damage/Irritation: OECD Guideline Test results found in the European Chemical Agency Data Base shows that components of this product to cause eye irritation.

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 Tests results found in the European Chemical Agency DataBase show components of this product to cause skin sensitivity.

11.9 Respiratory Sensitization OECD Guideline Tests results found in the European Chemical Agency DataBase show no components of this product to cause respiratory sensitivity.

11.10 Specific Target Organ Toxicity (Single Exposure): Skin and Eyes.

11.11 Target Organ Toxicity (Repeated Exposure): Skin and Eyes.

11.12 Signs and Symptoms: Include discomfort or pain and redness.

11.13 Carcinogenicity: OECD Guideline Test results found in the European Chemical Agency Data Base shows that no components of this product to cause cancer.

Chemical Name	IARC	ACGIH	NTP	OSHA
Fatty acids, soya, Me esters	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Soybean oil, Me ester	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Carnauba wax	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Propan-2-ol	Not classifiable as to carcinogenicity to humans	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Dimethyl siloxane	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Oleic acid, compound with morpholine (1:1)	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Glycerol	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%
Pentyl acetate	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%	No component of this product present at levels greater than or equal to 0.1%

Section 12 - Ecological Information

12.1

Product Name	Results	Species	Exposure
Fatty acids, coco, reaction products with diethylenetriamine and soya fatty acids, ethoxylated, chloromethane-quaternized	Harmful to aquatic organisms. May cause long-term adverse effects in the environment		
Dimethyl siloxane	None Shown		
Alcohols, C11-14-iso-, C13-rich, ethoxylated	None Shown		
2-methylpentane-2,4-diol	LC50 8690 mg/l	Fish	96 hours
(2-methoxymethylethoxy)propanol	LC50 1000 mg/l	Fish	96 hours
1,3-bis(hydroxymethyl)-5,5-dimethylimidazolidine-2,4-dione	None Shown		
2-chloroethanol	LC50 84 mg/l	Fish	96 hours
Propane-1,2-diol	LC50 52930 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 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 discard. Contact a licensed contractor for detailed recommendations. Follow applicable federal, state, and local regulations.

Section 14 - Transport Information

14.1 US Transport Information
Not regulated

14.2 IMDG Transport Information
Not regulated

14.3 UN Dangerous Goods Transport Information
Not regulated

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: None

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

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 components of this product are on the Inventory or are exempt from Inventory requirements.

China Existing Chemical Inventory: All components of this product are on 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 make their determination as to 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: 04/14/2014
SDS Revision Date: 01/20/2020 Revised Sections: 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16
SDS Revision Date: 07/17/2020 Revised Section: 16

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