

SAFETY DATA SHEET
Ultrasonic Citrus Degreaser

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code:	SFSONI-001-BULK	
Product Name:	Ultrasonic Citrus Degreaser	
Company Name:	S&F Sonics, Inc./Omegasonics	Phone Number:
	330 E. Easy St., Suite A	+1 (805)583-0875
	Simi Valley, CA 93065	
Emergency Contact:	CHEMTREC	+1 (800)424-9300

2. HAZARDS IDENTIFICATION

Skin Corrosion/Irritation, Category 2
Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2A
Flammable Liquids, Category 4



GHS Signal Word:	Warning
GHS Hazard Phrases:	Combustible liquid. Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.
GHS Precautionary Phrases:	Keep out of reach of children. Read label before use. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/.../ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Keep cool.
GHS Response Phrases:	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with plenty of water for 15 minutes. Get immediate medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get immediate medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Get immediate medical advice/attention. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get immediate medical advice/attention.
GHS Storage and Disposal Phrases:	Store in cool/well-ventilated place. Dispose of contents/container to ...

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OSHA Regulatory Status:	This material is classified as hazardous under OSHA regulations.
Inhalation:	Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Skin Contact:	Causes skin irritation. May cause allergic skin reaction. May be harmful if absorbed through the skin.
Eye Contact:	May cause eye irritation. May cause serious eye damage.
Ingestion:	Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
138-86-3	Dipentene	<10.0 %
34398-01-1	Poly(oxy-1,2-ethanediyl),.alpha.-undecyl-.omega.-hydroxy-	< 5.0 %
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	< 5.0 %
1569-01-3	Propylene glycol n-propyl ether	< 5.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation:	Remove from exposure and move to fresh air immediately. Get medical aid immediately.
In Case of Skin Contact:	In case of contact, immediately wash skin with soap and copious amounts of water. If irritation develops, get medical aid.
In Case of Eye Contact:	In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
In Case of Ingestion:	Potential for aspiration if swallowed. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward. Get medical aid immediately.
Note to Physician:	Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

5. FIRE FIGHTING MEASURES

Flash Pt:	No data.
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	No data.
Suitable Extinguishing Media:	For large fires, use dry chemical, carbon dioxide, alcohol-resistant foam, or water spray. For small fires, use carbon dioxide, dry chemical, dry sand, or alcohol-resistant foam.
Unsuitable Extinguishing Media:	Do NOT use straight streams of water.
Fire Fighting Instructions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form explosive mixtures with air. Flammable liquid and vapor. Cool containers with flooding quantities of water until well after fire is out. Vapors are heavier than air and may travel to a source of ignition and flash back.
Flammable Properties and Hazards:	Container explosion may occur under fire conditions.
Hazardous Combustion Products:	No data available.

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6. ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures:	Use proper personal protective equipment as indicated in Section 8.
Environmental Precautions:	Do not let product enter storm drains, storm sewers, watersheds or water systems unless authorized.
Steps To Be Taken In Case Material Is Released Or Spilled:	Spills/Leaks: Provide ventilation. Remove all sources of ignition. A vapor suppressing foam may be used to reduce vapors. Use water spray to dilute spill to a non-flammable mixture. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Use a spark-proof tool.

7. HANDLING AND STORAGE

Precautions To Be Taken in Handling:	Avoid contact with eyes, skin, and clothing. Avoid breathing dust, mist, or vapor. Use only with adequate ventilation. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Take precautionary measures against static discharges. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Do not allow to evaporate to near dryness.
Precautions To Be Taken in Storing:	Store in cool/well-ventilated place. Store protected from light. Keep container closed.
Other Precautions:	Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Handle in accordance with good industrial hygiene and safety practice. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
138-86-3	Dipentene	No data.	No data.	No data.
34398-01-1	Poly(oxy-1,2-ethanediyl),.alpha.-undecyl l-.omega.-hydroxy-	No data.	No data.	No data.
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	No data.	No data.	No data.
1569-01-3	Propylene glycol n-propyl ether	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Respiratory protection is not required under normal use. Avoid breathing vapors or mists. If airborne concentrations pose a health hazard or become irritating, use a NIOSH/MSHA-approved respirator, in the positive pressure mode.
Eye Protection:	Chemical safety goggles.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Rubber or neoprene gloves.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Safety shower and eye bath. Mechanical exhaust required.
Work/Hygienic/Maintenance Practices:	Wash thoroughly after handling. Wash contaminated clothing before reuse.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Orange.
Viscous. Liquid.
Transparent.

pH: No data.

Melting Point: No data.

Boiling Point: No data.

Flash Pt: No data.

Evaporation Rate: No data.

Flammability (solid, gas): combustible materials.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): No data.

Vapor Density (vs. Air = 1): No data.

Specific Gravity (Water = 1): 0.99 - 1.02

Solubility in Water: No data.

Octanol/Water Partition Coefficient: No data.

Autoignition Pt: No data.

Decomposition Temperature: No data.

Viscosity: No data.

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Ignition sources, Excess heat, flames and sparks.

Incompatibility - Materials To Avoid: Strong acids, Strong bases, Strong oxidizing agents.

Hazardous Decomposition or Byproducts: High temperatures and fires may produce toxic:carbon and nitrogen oxides Carbon monoxide, Carbon dioxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: No data available.

11. TOXICOLOGICAL INFORMATION

Toxicological Information: Mutagenicity: No data available.
 Neurotoxicity: No data available.
 Reproductive Effects: No data available.
 Teratogenicity: No data available.
 Epidemiology: No data available.
 CAS# 138-86-3: Dipentene: Acute toxicity, LD50, Oral, Rat, 5300. MG/KG. Result: Behavioral: Somnolence (general depressed activity). Vascular: BP lowering not characterized in autonomic section. Skin and Appendages: Skin: After topical exposure: Corrosive.
 CAS# 34398-01-1: Poly(oxy-1,2-ethanediyl),.alpha.-undecyl-.omega.-hydroxy-: Acute toxicity, LD50, Oral, Rat, 1000. - 2000. MG/KG. Result: Kidney, Ureter, Bladder: Changes in liver weight. Blood:Other hemolysis with or without anemia. Blood:Changes in spleen.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
138-86-3	Dipentene	n.a.	n.a.	n.a.	n.a.
34398-01-1	Poly(oxy-1,2-ethanediyl),.alpha.-undecyl-.omega.-hydroxy-	n.a.	n.a.	n.a.	n.a.
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	n.a.	n.a.	n.a.	n.a.
1569-01-3	Propylene glycol n-propyl ether	n.a.	n.a.	n.a.	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: Environmental: No information available.
 Physical: No information available.
 CAS# 138-86-3: Dipentene: LC50, Southern House Mosquito (Culex quinquefasciatus), larva(e), 6600. UG/L, 72 H, Mortality, Water temperature: 23.00 C C. Result: assessment factor.
 CAS# 34398-01-1: Poly(oxy-1,2-ethanediyl),.alpha.-undecyl-.omega.-hydroxy-: LC50, Fathead Minnow (Pimephales promelas), 7100. UG/L, 96 H, Mortality, Water temperature: 22.00 C C. Result: Affected fish lost equilibrium prior to death.
 Effective concentration to 50% of test organisms., Water Flea (Daphnia magna), 6700. UG/L, 48 H, Intoxication,, Water temperature: 20.00 C C. Result: Loss of equilibrium.

Results of PBT and vPvB assessment: No data available.

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method: US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
138-86-3	Dipentene	No	No	No
34398-01-1	Poly(oxy-1,2-ethanediyl),.alpha.-undecyl-.omega.-hydroxy-	No	No	No
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	No	No	No
1569-01-3	Propylene glycol n-propyl ether	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Explosive	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Acute toxicity (any route of exposure)
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Flammable (gases, aerosols, liquid, or solid)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Skin Corrosion or Irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Oxidizer (liquid, solid or gas)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Serious eye damage or eye irritation
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-reactive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Respiratory or Skin Sensitization
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric (liquid or solid)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Germ cell mutagenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Pyrophoric gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Carcinogenicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Self-heating	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Reproductive toxicity
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Organic peroxide	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Specific target organ toxicity (single or repeated exposure)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrosive to metal	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Aspiration Hazard
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Gas under pressure (compressed gas)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Simple Asphyxiant
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	In contact with water emits flammable gas	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Health) Hazard Not Otherwise Classified (HNOC)
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Combustible Dust		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Physical) Hazard Not Otherwise Classified (HNOC)		

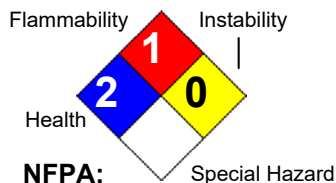
CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
138-86-3	Dipentene	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
34398-01-1	Poly(oxy-1,2-ethanediyl),.alpha.-undecyl-.omega.-hydroxy-	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
68584-22-5	Benzenesulfonic acid, C10-16-alkyl derivs.	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No
1569-01-3	Propylene glycol n-propyl ether	CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NJ EHS: No; NY Part 597: No; PA HSL: No

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16. OTHER INFORMATION

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Hazard Rating System:



Additional Information About No data available.

This Product:

Company Policy or

Disclaimer:

While S&F Sonics, Inc./Omegasonics believes the statements set forth herein are accurate as of the date hereof, S&F Sonics, Inc./Omegasonics makes no warranty with respect thereto and expressly disclaims all liability for reliance thereon. Such data is offered solely for your consideration, investigation, and verification.