



SAFETY DATA SHEET: DE-1000

Section 1: IDENTIFICATION

Product Name: DE-1000

Common Names or Synonyms: None known.

Recommended Use: Cleaner and Degreaser Concentrate

Restrictions on Use: None.

Company: **ChemFast, LLC**
11 Jenna Drive Unit #1
Gorham, ME 04038
800-287-2225
info@chemfast.com

Emergency Phone: 1-800-424-9300
CHEMTREC 24-Hour Emergency Service

Section 2: HAZARD(S) IDENTIFICATION

Physical Hazards: Not classified.

Health Hazards:

Severe eye damage/irritation	Category 1
Skin corrosion/irritation	Category 2
Skin Sensitization	Category 1

Environmental Hazards:

Acute Aquatic Toxicity	Category 3
Chronic Aquatic Toxicity	Category 3

OSHA Defined Hazards: Not classified.

Signal Word: Warning

Hazard Statement(s):

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H402 - Harmful to aquatic life
- H412 - Harmful to aquatic life with long lasting effects

Pictograms:



Precautionary Statement(s):

P234 - Keep only in original container.
P261 - Avoid breathing mist, spray, vapors.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a poison center or doctor.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P390 - Absorb spillage to prevent material-damage.
P406 - Store in corrosive resistant container with a resistant inner liner.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations..

Hazards Not Otherwise Classified (HNOC):

None known.

Other Information:

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. This material or its emissions may defat skin, cause contact dermatitis, or aggravate existing skin disease.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Common name/synonyms	CAS number	% Range
Proprietary Ingredient 1		(CAS-No.) Proprietary	< 11%
Proprietary Ingredient 2		(CAS-No.) Proprietary	< 2%
Proprietary Ingredient 3		(CAS-No.) Proprietary	< 2%
Proprietary Ingredient 4		(CAS-No.) Proprietary	< 2%

**Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.
The identity of individual components of this product is proprietary information and regarded as a trade secret.
There are no known hazardous substances per sara title III or TSCA EPA inventory list.*

Section 4: FIRST-AID MEASURES**Inhalation:**

When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

Skin Contact:

Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

Eye Contact:

Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.

Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.
Most Important Symptoms or Effects, Acute and Delayed:	Causes skin irritation. Causes serious eye damage. Skin sensitization. Prolonged exposure may cause irritation. May cause an allergic reaction in sensitive individuals. Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction. Causes permanent damage to the cornea, iris, or conjunctiva. Ingestion may cause adverse effects.
Indication of Immediate Medical Attention and Special Treatment, if Necessary:	If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.
General information:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Section 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Water spray, dry chemical, foam, carbon dioxide.
Unsuitable Extinguishing Media:	Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Specific Hazards Arising from the Chemical:	No data available.
Special Protective Equipment and Precautions for Firefighters:	No data available.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment:	Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing. Use appropriate personal protective equipment (PPE).
Emergency Procedures:	Evacuate unnecessary personnel. Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.
Environmental Precautions:	Prevent entry to sewers and public waters. Avoid release to the environment.
Clean Up Procedures:	For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb spillage to prevent material damage. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapors, mist, spray. Do not get in eyes, on skin, or on clothing. Use appropriate personal protective equipment (PPE).
Handle in accordance with good industrial hygiene and safety procedures. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Conditions for Safe Storage, Including Any Incompatibilities: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container. Store locked up/in a secure area.
Incompatible Materials: Strong acids, strong bases, strong oxidizers. Nitrates.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Material	Type	Value
Proprietary Ingredient 4 (Proprietary)	PEL	2 mg/m ³

US. ACGIH Threshold Limit Values

Material	Type	Value
Proprietary Ingredient 4 (Proprietary)	PEL	2 mg/m ³

US. NIOSH: Pocket Guide to Chemical Hazards

Material	Type	Value
Proprietary Ingredient 4 (Proprietary)	REL	2 mg/m ³

US AIHA: WEEL® Values (2011)

Material	Type	Value
Proprietary Ingredient 3 (Proprietary)	TWA	30 ppm

US IDLH: Table of IDLH Values

Material	Type	Value
Proprietary Ingredient 4 (Proprietary)	TWA	10 mg/m ³

Exposure Limit Values:

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Individual Protection Measures, such as Personal Protective Equipment:

The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine

the appropriate PPE for use while performing any task involving potential exposure to this product.
Gloves. Protective clothing. Protective goggles.



Eye/face Protection:	Chemical safety goggles.
Skin Protection:	Wear suitable protective clothing.
Respiratory Protection:	If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.
Thermal Hazards:	No data available.
General Hygiene Considerations:	Avoid release to the environment. When using, do not eat, drink or smoke.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Fluorescent Yellow Liquid
Odor:	Mild Citrus
Odor Threshold:	No Data Available
pH:	12.5 (All Concentrations)
Melting Point/Freezing Point:	No Data Available
Boiling Point and Range:	100°C (212°F)
Flash Point:	No Data Available
Evaporation Rate:	No Data Available
Flammability (solid, gas):	Not Applicable
Upper/Lower Flammability or Explosive Limits:	
Flammability Limit - Lower (%):	No Data Available
Flammability Limit - Upper (%):	No Data Available
Explosive Limit - Lower (%):	No Data Available
Explosive Limit - Upper (%):	No Data Available
Vapor Pressure:	No Data Available

Vapor Density:	No Data Available
Relative Density:	No Data Available
Solubility(ies):	No Data Available
Partition Coefficient (n-octanol/water):	No Data Available
Autoignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Viscosity:	No Data Available

Section 10: STABILITY AND REACTIVITY

Reactivity:	Reacts exothermically with acids. Hazardous reactions may occur on contact with certain chemicals. Refer to incompatible materials.
Chemical Stability:	Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Direct sunlight, extremely high or low temperatures, and incompatible materials.
Incompatible Materials:	Strong acids, strong bases, strong oxidizers. Nitrates.
Hazardous Decomposition Products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:

Inhalation:	Prolonged exposure may cause irritation. May cause an allergic reaction in sensitive individuals.
Skin Contact:	Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic skin reaction.
Eye Contact:	Causes permanent damage to the cornea, iris, or conjunctiva.
Ingestion:	Ingestion may cause adverse effects.

Numerical Measures of Toxicity

Acute Toxicity:

Proprietary Ingredient 2 (Proprietary)	Oral LD ₅₀ (rat)	1153 mg/kg
Proprietary Ingredient 1 (Proprietary)	Oral LD ₅₀ (rat)	1310 mg/kg

Proprietary Ingredient 3 (Proprietary)	Oral LD ₅₀ (rat) Dermal LD ₅₀ (rabbit)	4400 mg/kg >5 g/kg
Skin Corrosion/Irritation:	Causes skin irritation.	
Eye Damage/Irritation:	Causes serious eye damage.	
Germ Cell Mutagenicity:	No data available.	
Carcinogenicity:	Not classified.	
	Proprietary Ingredient 3 (Proprietary)	
	IARC group	3
	National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
Reproductive Toxicity:	No data available.	
STOT-Single Exposure:	None	
STOT-Repeated Exposure:	None	
Aspiration Hazard:	No data available.	

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Proprietary Ingredient 2 (Proprietary)

LC50 Fish 1	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
LC50 Fish 2	210 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)

Proprietary Ingredient 1 (Proprietary)

LC50 Fish 1	11.6 mg/l
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Proprietary Ingredient 3 (Proprietary)

LC50 Fish 1	0.619 (0.619 - 0.796) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	0.421 mg/l
LC50 Fish 2	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)

Proprietary Ingredient 4 (Proprietary)

LC50 Fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	40 mg/l

Persistence and Degradability:	May cause long-term adverse effects in the environment.
Bioaccumulative Potential:	Not established.
Mobility in Soil:	No additional information available

Other Adverse Effects: Avoid release to the environment.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of contents/container in accordance with local, regional, national, and international regulations. Container may remain hazardous when empty. Continue to observe all precautions. Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Section 14: TRANSPORT INFORMATION

UN Number: None

UN Proper Shipping Name: Cleaning Compound – Non-Regulated Material

Transport Hazard Class(es): None

Packing Group: None

Guidance on Transport in Bulk: None known

Special Precautions for User: Read safety instructions, SDS and emergency procedures before handling.

Section 15: REGULATORY INFORMATION

Federal and State Regulations:

SARA 313 toxic chemical notification and release reporting:

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

California Prop 65: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

Section 16: OTHER INFORMATION

HMIS® ratings

Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: B

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Revision Information:

This document has undergone significant changes and should be reviewed in its entirety.

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].