

MSDS Document

Product DeFlea Concentrate

1. Chemical Product and Company Identification

Trade Name of this Product DeFlea Concentrate

Synonyms: 11010, 11015

MSDS ID NC-MS014

Manufacturer

Natural Chemistry, Inc.
40 Richards Ave.
Norwalk, CT 06854

Contact Name

Tom Berry

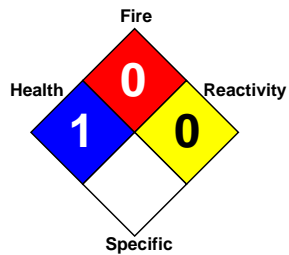
Phone Number

(800) 753-1233

Emergency Phone

CHEMTREC (800) 424-9300

Revision Date 11/9/2005



Health:	1
Fire:	0
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Diocetyl sulfosuccinate, sodium salt	577-11-7	8.4 %	Not available	Not available	Not available
Undecylenic acid	112-38-9	2.0 %	Not available	Not available	Not available
Water	7732-18-5	89.5 %	0		
Inert Ingredients	None	<0.1 %	Not Established	Not Established	

3. Hazard Identification

EMERGENCY OVERVIEW

Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

POTENTIAL HEALTH EFFECTS:

Eye Contact:

Causes irritation

Skin Contact:

Causes severe skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. Substance is rapidly absorbed through the skin. May be harmful if absorbed through the skin.

Ingestion:

May cause irritation of the digestive tract. May be harmful if swallowed.

Inhalation:

May cause respiratory tract irritation. May be harmful if inhaled.

Chronic:

Not available.

4. First Aid Information

SKIN CONTACT:

Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists. Wash clothing before re-use.

EYE CONTACT:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

INGESTION:

Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a Physician.

5. Fire Fighting Measures

Flash Point	Not applicable
FP Method	Not available

GENERAL INFORMATION:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH-approved (or equivalent), and full protective gear.

Extinguishing Media:

Use water spray, carbon dioxide or dry chemical.

Fire Fighting Instructions:

Fire fighters and others who may be exposed to products of combustion should wear full fire

fighting turn out gear and self-contained breathing apparatus (pressure-demand NIOSH-approved or equivalent). Fire fighting equipment should be decontaminated after use.

Fire and Explosion Hazards:

When burned, the following hazardous products of combustion can occur: carbon monoxide, carbon dioxide.

6. Accidental Release Measures

Personal Precautions:

Refer to Section 8 (Exposure Controls and Personal Protection) for appropriate personal protective equipment.

Methods for Cleaning Up:

Product may cause a slip hazard. Spilled material should be absorbed onto an inert material and scooped up. Flush spill area thoroughly with water and scrub to remove residue. If slipperiness remains apply more dry-sweeping compound.

Keep out of water supplies, storm drains and sewers.

7. Handling and Storage

STORAGE AND HANDLING:

Keep in a tightly closed container. Store in a cool, dry, well ventilated area. Store away from incompatible materials. Protect from physical damage.

HANDLING:

Avoid contact especially when skin is cut or abraded. Wash thoroughly after handling. Use only with adequate ventilation. Avoid inhalation. Avoid contact with eyes, skin or clothing.

8. Exposure Controls and Personal Protection

Engineering Controls

Use with adequate ventilation. Viscous liquid is an unlikely source of airborne contamination.

EYE PROTECTION:

Wear appropriate protective glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

SKIN PROTECTION:

If skin contact is likely, wear rubber gloves and protective clothing. Wash thoroughly after handling.

CLOTHING:

Wear appropriate clothing. Contaminated clothing should be removed and laundered before reuse.

9. Physical and Chemical Properties

Physical State

Emulsion

Specific Gravity	1.008
Density lbs/Gal.	8.4
Color/Appearance	pale mint green, opaque, viscous liquid
Odor	Mild organic
pH	7.5
Boiling/Cond. Point	Not available
Melting/Freezing Point	Not available
Solubility	Dispersible
Evaporation Rate	<1 Butyl Acetate = 1
VOC %	Not available
Percent Volatile	Not available
Molecular Formula	Mixture
Viscosity	Unknown
Vapor Density	Not available
Vapor Pressure	<760 mm

Physical and chemical properties listed above are general and approximate and are not intended as product specifications.

10. Stability and Reactivity

STABILITY:

Stable at normal temperatures and pressure.

MATERIALS TO AVOID:

Avoid contact with oxidizing agents, reducing agents, strong acids and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, sulfur oxides and sodium oxide.

POLYMERIZATION:

Hazardous polymerization will not occur.

11. Toxicological Information

ORAL:

Mild irritant, rabbits, Tox Category IV, core: cited

INHALATION:

LC50 Rats > 3.2 mg/L, Tox Category IV, core: A

EYES:

Mildly irritating, rabbits, Tox Category IV, core: A

DERMAL:

Mild irritant, rabbits, Tox Category IV, core: A

CORE:

Core Grade: A = Acceptable; U = Unacceptable; S = Supplementary; V = Self-Validated

CARCINOGENICITY STATUS:

This product is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

12. Ecological Information

GENERAL:

The ingredient undecylenic acid is slightly toxic to *Daphnia magna* (48 hour EC50 = 28 mg/L)

OTHER:

Not readily biodegradable.

13. Disposal Considerations

Do not reuse empty container. Rinse container and offer for recycling. For large quantities and in industrial settings, allow evaporation and burn remainder in a chemical incinerator equipped with an afterburner and scrubber. Consult applicable federal, state and local regulations.

14. Transportation Information

Proper Shipping Name:

Not applicable/Not regulated

15. Regulatory Information

USA TSCA:

All components of this product are listed on the TSCA Inventory.

CLEAN WATER ACT:

Not Applicable

OSHA:

Cas #112-38-9, undecylenic acid is listed as an Immediate (Acute) Health Hazard under SARA Rules (40 CFR Part 370)

STATE:

CAS # 577-11-7, dioctyl sodium sulfosuccinate is not present on state lists from CA, PA, MN, MA, FL or NJ.

CANADA:

CAS # 577-11-7, dioctyl sodium sulfosuccinate is listed on Canada's DSL (Domestic Substances List).

CAS # 577-11-7, dioctyl sodium sulfosuccinate is listed on Canada's Ingredient Disclosure List.

16. Other Information

Other Information

The information presented herein, while not guaranteed, was prepared by competent technical personnel and is based upon information Natural Chemistry, Inc. believes to be true, accurate and reliable and is supplied for informational purposes only. Natural

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Physical chemical properties listed in Section 9 are general and approximate and are not intended as product specifications.