

# MATERIAL SAFETY DATA SHEET

Date Prepared: July 26, 2013

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Natural Misting Solutions LLC  
Address: 731 Southwest 17<sup>th</sup> Avenue, Delray Beach, FL 33444  
Emergency Phone: 954-671-5035  
Trade Name (as labeled): **NAPROVIT SC SYSTEM CLEANER**

## SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

| CHEMICAL NAME          | CAS NO.   | % w/w   | EXPOSURE LIMITS IN AIR |          |         |          |          | NIOSH REL ppm |
|------------------------|-----------|---------|------------------------|----------|---------|----------|----------|---------------|
|                        |           |         | ACGIH                  |          | OHSA    |          |          |               |
|                        |           |         | TLV TWA ppm            | STEL ppm | PEL ppm | STEL ppm | IDLH ppm |               |
| Proprietary            | NA*       | 0-75    | NE*                    | NE*      | NE*     | NE*      | NE*      | NE*           |
| Water H <sub>2</sub> O | 7732-18-5 | Balance | None                   | None     | None    | None     | None     | None          |

NE\* = Not Established, NA\* = Not Available

**CERTIFICATE:** This is to certify that **none** of the toxic organics listed in the Federal Regulations Title 40, CFR Section 413.02 through 413.14 are used in the manufacture of NAPROVIT SC SYSTEM CLEANER and therefore, are not components of NAPROVIT SC SYSTEM CLEANER.

## SECTION 3: HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW:** This product is a clear, amber homogenous blend with a mild and pleasant odor. No exposure to toxic fumes or liquids is expected.

**NFPA HAZARD RATING (US):** Insignificant = 0 Slight = 1 Moderate = 2 High = 3 Extreme = 4

**HEALTH (Blue) = 0**

**FLAMMABILITY (Red) = 0**

**Reactivity (Yellow) = 0**

**PROTECTIVE EQUIPMENT:** For Routine Industrial Applications See Section 8

**SYMPTOMS OF OVER EXPOSURE BY ROUTE OF EXPOSURE**

**INHALATION:** ACUTE: As with any surfactant, water or detergent, inhalation may cause coughing, tearing of eyes, and runny nose. It may cause breathing difficulties comparable to those caused by inhalation of water.

CHRONIC: No evidence of chronic effects found.

**EYE CONTACT:** May cause minor irritation similar to that caused by excessive water.

**SKIN CONTACT:** No toxic effects have been observed on either intact or abraded skin.

**SKIN ABSORPTION:** None of the ingredients are known to be skin-absorbing agents.

**INGESTION:** No toxic effects observed grossly in rats administered the product. **INJECTION:** N/A

## SECTION 4: FIRST AID MEASURES

**INHALATION:** Remove to fresh air. Observe for possible water in the lungs. Administer necessary care.

**EYE CONTACT:** Immediately flush eyes with running water for 15 minutes, lifting the upper and lower eyelids occasionally. Any mild irritation will cease when sufficient dilution occurs.

**SKIN CONTACT:** This product acts as a surfactant in a fashion similar to soap. Dilution with water as with any washing activity will serve.

**INGESTION:** CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. DO NOT induce vomiting, as it is not required. Drink copious amounts of water. Most common reaction will be nausea and diarrhea, but only if large amounts of concentrated product are ingested.

Victims of chemical exposure should seek medical attention as a follow-up. Take copy of label and MSDS to health professional.

## SECTION 5: FIRE FIGHTING MEASURES

**FLASH POINT, °C (method):** N/A **AUTO IGNITION TEMPERATURE, °C:** N/A

**FLAMMABLE LIMITS (in air by volume, %):** N/A **SPECIAL FIRE FIGHTING PROCEDURES:** None required.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None.

**FIRE EXTINGUISHING MATERIALS:** No special extinguishing materials are required. This product is nonflammable.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** No special response is required. Material is biodegradable and does not require special cleanup. Absorb or rinse with water. Slippery; use with care to avoid falling.

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**SECTION 7: HANDLING AND STORAGE**

WORK PRACTICES AND HYGIENE PRACTICES: Avoid getting chemicals *on you* or *in you*. Rinse hands after handling product.  
HANDLING PRACTICES: Rinse thoroughly after handling. Do not get into eyes.  
STORAGE PRACTICES: Store in a cool, dry, well-ventilated area away from incompatible materials. This product may be stored in well maintained vessels constructed of polypropylene or polyethylene. Valves and caps should be inspected on a regular basis and replaced as needed to prevent leakage. Should not be stored with strong oxidizing agents. VENTING: No special requirements needed  
PROTECTIVE PRACTICES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: None required.

**SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

VENTILATION AND ENGINEERING CONTROLS: No special controls required. BODY PROTECTION: None required.  
EYE PROTECTION: None required. When misting, use safety glasses or goggles. HAND PROTECTION: None required.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |   |                                   |
|----------------------------------|---|-----------------------------------|
| VAPOR DENSITY (Air = 1.00): 0.62 | SPECIFIC GRAVITY (wt/gal): 8.2            | MELTING POINT: NA                 |
| APPEARANCE: Homogenous blend     | SURFACE TENSION (dynes/cm @25°C): 29.5    | COLOR: Amber/Yellow               |
| VISCOSITY: 110 cps               | PERCENT VOLATILE BY VOLUME: None          | BOILING POINT: 200 <sup>0</sup> F |
| INSOLUBLE MATTER: 0.65%          | VAPOR PRESSURE @20°C: 17.0 mm             | WATER SOLUBILITY: 99.935%         |
| ODOR: Mild and pleasant          | EVAPORATION RATE (Butyl acetate = 1): 0.7 | FLASH POINT: None                 |

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable CONDITIONS TO AVOID: None HAZARDOUS POLYMERIZATION: Will not occur  
MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE: Strong Oxidizing Agents

**SECTION 11: TOXICOLOGICAL INFORMATION**

Cutaneous Toxicity: No toxic effects were observed grossly in rabbits, which received four daily applications of the product on either intact or abraded skin.  
Oral Toxicity: No toxic effects were observed grossly in rats administered a single oral dose of the product at a level of 1 ml per 100 grams of body weight.  
SUSPECTED CANCER AGENT: No. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None observed.  
Dermal Exposure: May be a mild irritation to the eye as found in soap.  
Ingestion Exposure: May cause mild nausea and diarrhea if large amounts are ingested. Inhalation Exposure: No significant effects.  
RECOMMENDATIONS TO PHYSICIANS: Treat symptoms.

**SECTION 12: ECOLOGICAL INFORMATION**

ENVIRONMENTAL STABILITY: Totally biodegradable. EFFECT OF MATERIAL ON PLANTS OR ANIMALS: No toxicity.  
EFFECT OF MATERIAL ON AQUATIC LIFE: Extremely high concentrations may have an effect on aquatic life.

**SECTION 13: DISPOSAL CONSIDERATIONS**

PREPARING WASTES FOR DISPOSAL: No special requirements for disposal. EPA WASTE NUMBER: None.

**SECTION 14: TRANSPORTATION INFORMATION**

THIS MATERIAL IS *NOT HAZARDOUS* AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPT. OF TRANSPORTATION.  
PROPER SHIPPING NAME: NAPROVIT SC SYSTEM CLEANER HAZARD CLASS NUMBER AND DESCRIPTION: NA  
UN IDENTIFICATION NUMBER: NA PACKING GROUP: NA RQ: NA  
DOT LABEL(S) REQUIRED: NA EMERGENCY RESPONSE GUIDE NUMBER: NA

**SECTION 15: REGULATORY INFORMATION**

|   |   |
|---|---|
| SARA REPORTING REQUIREMENTS: N/A  | TSCA INVENTORY STATUS: NA                 |
| MARINE POLLUTANT: This product contains no component listed as a Marine Pollutant under 49 CFR 172.101, Appendix B. |   |
| CALIFORNIA PROPOSITION 65: NA   | CERCLA REPORTABLE QUANTITIES (RQ): None   |
| STATE REGULATORY INFORMATION: Unavailable   | LABELING (Precautionary Statements): None |

**SECTION 16: OTHER INFORMATION**

The information and recommendations herein are taken from data contained in independent, industry recognized references including, NIOSH, OSHA, ANSI, and NFPA. This information is furnished free of charge and is based on data believed to be reliable. It is intended for use by persons possessing technical knowledge at their own discretion and risk. Since actual use is beyond our control, no guarantee, express or implied, and no liability is assumed by GFS Applied Research LLC in conjunction with the use of this information. Nothing herein is to be construed as a recommendation to infringe any patents.

End of MSDS