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MATERIAL SAFETY DATA SHEET

Nature's Element™ Web Out™

Health Emergencies: CHEMTREC® (800) 424-9300

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

MANUFACTURER: Nisus Corporation
 100 Nisus Drive
 Rockford, TN 37853
 Emergency Telephone No.: (800) 264-0870

COMMERCIAL PRODUCT TRADE NAME:
 Nature's Element™ Web Out™

EPA REGISTRATION NO. EPA 25(b) Exempt
CHEMICAL FAMILY: Aqueous mixture of essential oils
FORMULA: Proprietary Mixture
CAS NO.: See below
DOT HAZARD CLASSIFICATION: Not Regulated
HAZARD RATING: NFPA
 Health 1 Slight hazard
 Flammability 0
 Reactivity 0

SECTION 2 - INGREDIENTS INFORMATION

Active Ingredients

Thyme Oil (CAS No. 8007-46-3).....	2.0%
Lemongrass Oil (CAS No. 8007-02-1).....	2.0%
Citronella (CAS No. 8000-29-1).....	2.0%
Sodium Lauryl Sulfate (CAS No. 151-21-3).....	4.5%

Other Ingredients

Vinegar, Isopropyl alcohol.....	89.5%
Total.....	100.0%

SECTION 3 - HEALTH HAZARD INFORMATION

Hazard Rating: NFPA	Health	1	Slight hazard
	Flammability	0	
	Reactivity	0	

EYE CONTACT: Causes moderate eye irritation. Direct contact may cause tearing and redness in sensitive individuals.

SKIN CONTACT: This material is essentially non-irritating. Prolonged or repeated exposure to this material may cause softening of the skin. Persons with preexisting skin disorders may be more susceptible to the effects of this material.

INGESTION: Potentially harmful if ingested. Seek medical attention.

INHALATION: Harmful if inhaled. Breathing high concentrations of vapors may cause nausea, dizziness or drowsiness, and irritation of the nose and throat. Preexisting lung disorders may be aggravated by exposure to this material.

SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SKIN CONTACT: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 minutes.

INGESTION: SEEK EMERGENCY MEDICAL ATTENTION If the victim is drowsy or unconscious, place on the left side with the head down. Do not give anything by mouth. If possible, do not leave victim unattended.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.

SECTION 5 - FIRE AND EXPLOSION DATA

FLASH POINT: Above 220°F (Tag Closed Cup)

FLAMMABLE LIMITS: Not known.

EXTINGUISHING MEDIA: CO₂, dry powder or universal type foam.

FIRE AND EXPLOSION HAZARDS: This material will not readily ignite.

FIRE FIGHTING PROCEDURES: Avoid inhaling smoke. The use of a SCBA is recommended for fire fighters. Water spray may be useful in minimizing vapors and cooling containers exposed to heat and flame.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IN CASE OF RELEASE OR SPILL: Absorb with liquid absorbent and dispose or dilute and wash away with water.

SECTION 7 - HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Store between 40°F and 90°F. Do not store in direct sunlight. Keep containers tightly closed. Store in areas not accessible to children and pets. Do not store with strong oxidizers. Locked storage is required for EPA registered materials.

SECTION 8 - EXPLOSION CONTROLS AND PERSONAL PROTECTION

RESPIRATORY PROTECTION: Good ventilation. When applying in confined spaces, provide ventilation or an exhaust system or use of a NIOSH-approved dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) with a prefilter approved for pesticides (MSHA/NIOSH approval prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval prefix TC-14G) or a NIOSH-approved respirator with any N, R, P or HE prefilter is recommended.
VENTILATION: Exhaust to ventilate.

Web Out is easily washed from eyes and skin.

The following personal protective equipment is recommended:

PROTECTIVE GLOVES: Some materials that are chemical-resistant to this product are barrier laminate; butyl, nitrile, neoprene and natural rubbers ≥ 14 mils; polyethylene; polyvinyl chloride; and viton ≥ 14 mils. If you want more options, follow the instructions for category C on an EPA chemical-resistance category selection chart.

EYE PROTECTION: Use safety glasses, goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: Applicators, mixers and other handlers must wear long-sleeved shirt, long pants, socks, shoes, chemical-resistant gloves and protective eyewear. It is recommended that a source of clean water be available in the work area for flushing eyes and washing skin.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear to tan liquid, milky when mixed

% VOLATILE: ~15% as alcohol, acetic acid and essential oils, ~75% as water

VAPOR PRESSURE: ND

BOILING POINT: 212° F

ODOR: Lemon & vinegar

% SOLUBILITY IN WATER: 100% forms emulsion

pH: 6.0

SECTION 10 - STABILITY AND REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Exposure to strong oxidizing agents.
INCOMPATIBILITY (MATERIALS TO AVOID): This material is incompatible with strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur

HAZARDOUS DECOMPOSITION PRODUCTS: carbon monoxide, carbon dioxide.

SECTION 11 - TOXICOLOGICAL INFORMATION

Web Out is of very low acute mammalian toxicity, estimated to be >5000 mg/kg.

Acute oral LD₅₀ ND

Acute dermal LD₅₀ - ND

Acute inhalation LC₅₀ - ND

None of the major constituents of this material have been identified as carcinogens or probable carcinogens by IARC or OSHA.

SECTION 12 - ECOLOGICAL INFORMATION

General: Principle components are essential oils, vinegar and surfactant. All are biodegradable.

Phytotoxicity: None known

Algal Toxicity: ND

Invertebrate Toxicity: ND

Fish Toxicity: ND

In the event of accidental environmental release, dilute with water.

SECTION 13 – DISPOSAL CONSIDERATION

Make up only the amount of solution to be used that day. Excess solution can be used in treatment.

WASTE DISPOSAL METHOD: Unopened containers may be returned to Nisus corporation for reprocessing. Contact your State Pesticide, Environmental Control Agency or local authorities for proper disposal guidelines. Most sewage facilities will allow discharge to sewage of small volumes.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Hazard Classification: Not Regulated

SECTION 15 – REGULATORY INFORMATION

EPA Registration No. EPA 25b Exempt

Chemical Family: Aqueous mixture of essential oils

Hazard Rating: NFPA	Health	1	Slight hazard
	Flammability	0	
	Reactivity	0	

SECTION 16 – OTHER INFORMATION

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This information and product are furnished on the condition that the persons receiving them shall make their own determination as to the suitability of the product for their particular purpose and on the condition that they assume the risk of their use thereof.



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