Material Safety Data Sheet

NAVSOLVE®

Low VOC Cleaner/Degreaser

Rev. 06/01/2012

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800/886-8240 or
770/621-8240 (9–5 EST)

FOR CHEMICAL EMERGENCY
Call Infotrac
800/535-5053 (24 HOURS)

Section I: Product Identification

Product name:	NAVSOLVE®
Synonym:	Siloxane/oxygenated solvent blend
Molecular Formula:	N/A

The "Plain English" Section

Material Safety Data Sheets can be confusing. Federal law requires us to print a great deal of technical information, which probably won't help the non-scientist. ECOLINK includes this "PLAIN ENGLISH" section, written to address the questions and concerns of the average person. If you have additional health, safety or product questions, don't hesitate to call us at 800/886-8240.

Health Hazards: NAVSOLVE® is an industrial solvent. We call it "environmentally preferred" because it is intended to replace products that are more hazardous, (HCFC-141b, MEK, etc.). This does not mean that NAVSOLVE® is completely harmless. It is strong enough to remove industrial soils, so it can irritate your skin. We suggest you wear gloves, and avoid extended exposure to unprotected skin. Don't get it in your eyes, or breath large amounts of the vapor, (it will dry out your nasal passages). Used on a rag or from a spray bottle, the product won't produce fumes in any great quantity, (don't spray NAVSOLVE® under pressure without adequate ventilation). For more exposure and first aid information, refer to MSDS Section VI.

Fire Hazard: NAVSOLVE® is combustible. Under no circumstance can you use this solvent around open or potential ignition sources, (think about welding tools, sparks from equipment, smoking, etc). Rags must be handled as combustible and deposited into properly marked rag containers. If you are unsure about the safest way to use NAVSOLVE®, please call us and we will help!

Section II: Hazardous Components

Chemical Name	Decamethylcyclopentasiloxane
CAS No.	541-02-6
Approx. wt.%	50-70%
Exposure	10 ppm TWA: Supplier

Chemical Name	Octamethylcyclotetrasiloxane
CAS No.	556-67-2
Approx. wt.%	20-40%
Exposure Limit	ACGIH TLV: Not Established
	OSHA PEL: Not Established
	10 ppm TWA: Supplier

Chemical Name	Decamethyltetrasiloxane
CAS No.	141-62-8
Approx. wt.%	5-10%
Exposure	200 ppm TWA: Supplier

Chemical Name	Dipropylene Glycol n-Butyl Ether
CAS No.	29911-28-2
Approx. wt.%	1-5%
Exposure Limit	ACGIH TLV: Not Established
	OSHA PEL: Not Established

Chemical Name	Hexylene Glycol
CAS No.	107-41-5
Approx. wt.%	0-1%
Exposure Limit	ACGIH Ceiling: 25 ppm:

ALL MATERIALS IN PRODUCT ARE TSCALISTED

RCRA REGULATED:	No
CERCLA (superfund):	N/A
DOT Regulated:	No
DOT Haz. Class:	None
DOT Shipping Name:	N/A
DOT Number:	N/A

Section III: Physical Data

Appearance & Odor:	Colorless liquid with mild odor.
Boiling Point:	~185°C
Solubility In Water:	Negligible
Specific Gravity:	0.950 – 0.965
VOC Content:	<25 gm/l
Vapor Pressure (mm Hg):	<0.5 @ 20°C
Evaporation Rate (nBuAc=1):	Approx 0.04
Vapor Density (AIR=1)	>1.0

Section IV: Fire & Explosion Hazard Data

Flash Point (Method):
Bulk Liquid (TCC) 141° F

Flammable Limits:
LEL Not Established
UEL Not Established

Autoignition Temperature: Not Established

Extinguishing Media:
Water fog, alcohol foam, dry chemical, or CO_2.

Special Fire Fighting Procedures:
Caution. Combustible. Clear area of unprotected personnel and isolate. Use full bunker gear including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

Unusual Fire & Explosion Hazards:
Containers exposed to intense heat should be cooled with water to prevent vapor pressure buildup, which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

Section V: Reactivity Data

Stability: Stable

Conditions to Avoid:
Temperature extremes. Heat, sparks or open flame.

Incompatibility (materials to avoid): Avoid contact with strong oxidizing agents.

Hazardous Decomposition:
Carbon oxides, Silicone dioxide, Formaldehyde

Hazardous Polymerization:
Will not occur.

Section VI: Health Hazard Data

Primary Routes of Exposure:

Inhalation:
May cause slight irritation to respiratory passages. High vapor concentrations may cause drowsiness.

Eyes:
Direct contact will cause mild irritation

Skin Contact:
Repeated or prolonged contact can result in defatting and drying of the skin that may result in dermatitis.

First Aid:

Inhalation:	Remove to fresh air. If breathing difficult, give oxygen. Call physician
Eyes:	Irrigate immediately with water for at least 15 minutes. Call physician.
Skin:	Wash with soap and water. Launder contaminated clothing and shoes before reuse. If symptoms persist, seek medical attention.
Carcinogen:	NTP – Not Listed IARC Monographs – None OSHA REGS – Not Regulated

Section VII: Precautions for Safe Handling

HMIS Information:
Health – 1 / Reactivity – 0
Flammability – 2 Personal Protection – B

HMIS Definition:
0 – Minimal 1 – Slight 2 – Moderate 3 – Serious 4 – Extreme
"/" in the Health Category denotes material does not target any major organs.
"*" In the Health Category denotes material may target certain organs.

Eye Protection:
Safety glasses with side shields if splashing is likely.

Protective Gloves:
Impervious gloves are recommended for prolonged or repeated contact.

Respiratory Protection:
Use a NIOSH approved respirator if exposure limits are exceeded.

Ventilation: Well ventilated area.

Other Protective Clothing: None

Work Practices: Use with adequate ventilation. Wash hands after use.

Section VIII: Control Measures

Small Spill: Remove all sources of ignition. Handling equipment must be grounded. Wear protective equipment. Absorb liquid on absorbent material.

Large Spill: Remove all sources of ignition. Persons not wearing protective equipment should be excluded from area. Dike and contain. Pump into suitable tank/drum. Soak up residue with absorbent material.

Waste Disposal Method: NAVSOLVE® liquid is to be disposed of according to local, state, and federal regulations. Please call us if you need additional disposal information. Under RCRA, this material is not considered a hazardous waste.

Precautions To Be Taken In Handling & Storing: Keep away from heat, sparks and open flames. Keep away from hot surfaces. Use with adequate ventilation. Vapors may accumulate and travel to ignition sources distant from handling site. Flash-fire can result. Keep containers closed when not in use. Empty containers can contain explosive vapors. Do not cut, grind, drill or weld near containers. Static electricity may create a fire hazard. Ground fixed equipment. Keep out of reach of children.

Other Precautions: Keep this and all chemicals out of the reach of children.

Section IX: Part Number, Packaging

Product Name	Part No.	Packaging	National Stock No.
NAVSOLVE®	240-55	55 Gal Drum	6850-01-606-8358
NAVSOLVE®	240-15	15 Gal Drum	6850-01-606-3293
NAVSOLVE®	240-5	5 Gal Pail	6850-01-606-8357
NAVSOLVE®	240-1	4 x 1 Gal Case	6850-01-606-8356

DISCLAIMER: Ecolink, Inc. believes the information contained herein is accurate. However, Ecolink makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained by the use thereof. Ecolink, Inc. assumes no responsibility for injury from the use of the product described herein.

END OF
MSDS