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YNASURF CHEMICAL CORPORATION  
426 FLEET STREET  
ALTIMORE, MARYLAND 21231

MATERIAL SAFETY DATA SHEET

Emergency Phone Number: 1-800-535-5053

Section I - IDENTIFICATION

Proprietary Name: SEAL ACRYLIC Product Code: S-019 sw  
Chemical Name: Aqueous Acrylic Floor Finish/Seal Formulation  
DOT Proper Shipping Name: Water Base Emulsion  
DOT Hazard I.D. No: - - -  
DOT Hazard Description: Non Hazardous  
DOT Hazard label Required: Non Required

HMIS RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
4	= Severe hazard
3	= Serious hazard
2	= Moderate hazard
1	= Slight hazard
0	= Minimal hazard

Date of Issue: 2-1-91  
Supersedes MSDS dated:

Prepared by: CHAN GANDHI, Ph.D.

Section II - INGREDIENT INFORMATION

Chemical/Common Name	CAS No.	Weight %	ACGIH TLV (mg/m3)	OSHA PEL (mg/m3)
Acrylic polymer and alkali soluble resin		Nonhazardous 45 max	NE	NE
Ethylene glycol monomethyl ether	111-77-3	5 max	NE	NE
Phenol Ester-alcohol	25265-77-4	3 max	NE	NE
Water		BALANCE	NE	NE

These materials are subject to the reporting requirements under the Superfund Amendments and reauthorization Act of 1986 (SARA) Title III, Section 313 and 40 CFR Part 372

Section III - PHYSICAL DATA

Boiling Point (F) above 200oF Specific Gravity (Water=1) 1  
Vapor Pressure (mm Hg) Greater than 17 @ 68oF % Volatile by Volume 84-85  
Vapor Density (Air=1) Less than 1 Evaporation Rate Less than 1  
Solubility in Water Dilutable pH 7.0 - 9.5  
Appearance & Odor milky white mild acrylic odor

Section IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (F) Noncombustible Method Used: NA  
Lower Explosion Limit (L) NA  
Upper Explosion Limit (L) NA  
Extinguishing Media NA  
Special Procedures none

Usual Fire and Explosion Hazards: Material can splatter above 100C/212F. Polymer film can burn

Continued on additional page (s)-

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S-019 sw Section V - HEALTH HAZARD DATA  
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PRIMARY ROUTE OF ENTRY: Skin contact  
SIGNS AND SYMPTOMS: Vapor or mist can irritate nose and throat and cause narcosis, nausea, vomiting, headache, drowsiness, slurred speech, dizziness, stupor, and unconsciousness. Skin contact may be slightly irritating to skin: can be absorbed through intact skin in harmful amounts. Delayed effects are overexposure to solvents by any route may cause liver or kidney damage.  
FIRST AID PROCEDURES: If eye contact occurs, flush eyes with water for 15 minutes, see physician if irritation persists. Wash affected skin areas with soap and water. If product is swallowed, dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person. For inhalation move subject to fresh air.

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Section VI - REACTIVITY DATA  
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STABILITY: Stable CONDITIONS TO AVOID: Temperatures above 177C/350F  
INCOMPATIBILITY: Oxidizing agent  
HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire, produces, normal products of combustion.  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID: None Known

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Section VII - SPILL OR LEAK PROCEDURES  
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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g., sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.  
WASTE DISPOSAL INFORMATION: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant liquid and flush to a chemical sewer. Incinerate the solids and the contaminated diking material according to current local, state, and federal regulations.

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Section VIII - SPECIAL PROTECTION INFORMATION  
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RESPIRATORY PROTECTION: Wear suitable respirator (MSHA/NIOSH-approved or equivalent) where exposure limits are exceeded.  
VENTILATION: Mechanical local exhaust ventilation at point of contaminant release.  
PROTECTIVE GLOVES: Impervious  
EYE PROTECTION: Chemical splash goggles (ANSI Z-87.1 or approved equivalent)  
OTHER PROTECTIVE MEASURES: Use good personal hygiene practices. Where gross eye/skin contact may be a problem, wear/use appropriate protective equipment. Launder contaminated equipment before reuse. In case of spills see Section VII

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Section IX - STORAGE AND HANDLING INFORMATION  
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Storage Temperature: max 49C/120F min. 1C/34F Keep from freezing--product may coagulate

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Section X - TOXICITY INFORMATION  
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Toxicity data are available for this product. The effects shown in Section IV are based on information about similar materials and on toxicity profiles for the solvents in this product. Ethylene glycol has been shown to produce dose-related teratogenic effects in rats and mice at high concentrations. Dibutyl phthalate has caused adverse reproductive effects in laboratory animals.

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Section XI - MISCELLANEOUS INFORMATION  
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NOTE TO PHYSICIAN: Glycol ethers can cause liver and kidney injury. If swallowed careful evacuation of the stomach contents is advisable

For information on appropriate emergency procedures phone: INFO-TRAC 1-800-535-5053

ADDITIONAL INFORMATION: NA