

AUG 30 1993

MATERIAL SAFETY DATA SHEET

SURF CHEMICAL CORPORATION
1. FLEET STREET
BALTIMORE, MARYLAND 21231

Emergency Phone Number: 1-800-535-5053

Section I - IDENTIFICATION

Proprietary Name: TOTAL SYSTEM SEAL Product Code: S-697
Chemical Name: Aqueous Acrylic Floor Finish/Seal Formulation

HMIS RATING	
HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

DOT Proper Shipping Name: Water Base Emulsion
DOT Hazard I.D. No: - - -
DOT Hazard Description: Non Hazardous
DOT Hazard label Required: Non Required

4 = Severe hazard
3 = Serious hazard
2 = Moderate hazard
1 = Slight hazard
0 = Minimal hazard

Date of Issue: January 1, 1991
Supercedes MSDS dated:

Prepared by: Chan Gandhi

Section II - INGREDIENT INFORMATION

Chemical/Common Name	CAS No.	Weight %	ACGIH TLV (mg/m3)	OSHA PEL (mg/m3)
Acrylic polymer	Nonhazardous	40 max	NE	NE
Ethylene glycol (EG)	107-21-1	10 max	50C ppm	NE
Bisphenol carbitol (BC)	112-34-5	10 max	NE ppm	NE
Dibutyl phthalate (DBP)	84-74-2	10 max	5.0	5.0
Tributoxyethyl phosphate	78-51-4	3 max	NE	NE
Texanol 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
Vapor Pressure (mm Hg) Greater than 17 @ 68oF
Vapor Density (Air=1) Less than 1
Solubility in Water Dilutable
Appearance & Odor milky white
Specific Gravity (Water=1) 1
& Volatile by Volume 85-90
Evaporation Rate Less than 1
pH 7.0 - 9.5

Section IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (F) Noncombustible Method Used: NA
LEL (Lower Explosion Limit) NA
UEL (Upper Explosion Limit) 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)-

=====
Section V - HEALTH HAZARD DATA
=====

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.

=====
Section VI - REACTIVITY DATA
=====

STABILITY: Stable STABILITY CONDITIONS TO AVOID: None Known

INCOMPATIBILITY: Strong acids (e.g., muriatic acid)

HAZARDOUS DECOMPOSITION PRODUCTS: When exposed to fire, produces, normal products of combustion.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS POLYMERIZATION-CONDITIONS TO AVOID: None Known

CONDITIONS TO AVOID: Temperatures above 177C/350F
=====

=====
Section VII - SPILL OR LEAK PROCEDURES
=====

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: When discarding this material contains a listed hazardous ingredient (dibutyl phthalate); reportable quantity 10 lbs. (40 CFR Part 302) "Superfund". Incinerate liquid and contaminated diking material at a permitted facility, in accordance with local, state, and federal regulations.
=====

=====
Section VIII - SPECIAL PROTECTION INFORMATION
=====

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
=====

=====
Section IX - STORAGE AND HANDLING INFORMATION
=====

Storage Temperature: max 49c/120f min. 1c/34f Keep from freezing--product may coagulate
=====

=====
Section X - TOXICITY INFORMATION
=====

No 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.
=====

=====
Section XI - MISCELLANEOUS INFORMATION
=====

NOTE TO PHYSICIAN: Glycol ethers can cause liver and kidney injury. If swallowed careful evacuation of the stomach is advisable
=====

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

ADDITIONAL INFORMATION: NA