

THE FLAMEMASTER CORPORATION -- E-400 (TSC) TOP COAT SEALER PE-400 -- 8030-00-009-5032  
===== Product Identification =====

Product ID:E-400 (TSC) TOP COAT SEALER PE-400

MSDS Date:10/24/1986

FSC:8030

NIIN:00-009-5032

Kit Part:Y

MSDS Number: BHCWN

=== Responsible Party ===

Company Name:THE FLAMEMASTER CORPORATION

Address:11120 SHERMAN WAY

City:SUN VALLEY

State:CA

ZIP:91352

Country:US

Info Phone Num:81

8-982-1650

Emergency Phone Num:818-982-1650

Preparer's Name:SAMUEL L. ENGEL, SR.

CAGE:6N186

=== Contractor Identification ===

Company Name:FLAMEMASTER CORP THE CHEM SEAL DIV

Address:11120 SHERMAN WAY

Box:City:SUN VALLEY

State:CA

ZIP:91352-4949

Country:US

Phone:818-982-1650

CAGE:14439

Company Name:THE FLAMEMASTER CORPORATION

CAGE:6N186

===== Composition/Information on Ingredients =====

Ingred Name:BISPHENOL A DIGLYCIDYL ETHER POLYMER  
(EPOXY RESIN)

CAS:25068-38-6

F

raction by Wt: 21-22%

Ingred Name:CALCIUM CARBONATE (MARBLE) (LIMESTONE)

CAS:1317-65-3

RTECS #:EV9580000

Fraction by Wt: 15-18%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9192

Ingred Name:ALIPHATIC POLYAMIDOAMIDE

CAS:68410-23-1

Fraction by Wt: 10-12%

Ingred Name:SILICA, AMORPHOUS, DIATOMACEOUS EARTH, CONTAINING LESS THAN  
1% CRYSTALLINE SILICA

CAS:61790-53-2

RTECS #:HL8600000

Fraction by Wt: 0-10%

OSHA PEL:20 MPPCF

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:TITANIUM DIOXIDE

CAS:134

63-67-7

RTECS #:XS2275000

Fraction by Wt: 7-9%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER

CAS:107-98-2

RTECS #:UB7700000

Fraction by Wt: 6-7%

OSHA PEL:100 PPM/150 STEL

ACGIH TLV:100 PPM/150STEL;9192

Ingred Name:2-BUTOXYETHANOL

CAS:111-76-2

RTECS #:KJ8575000

Fraction by Wt: 9-10%

OSHA PEL:S, 50 PPM

ACGIH TLV:S, 25 PPM; 9293

Ingred Name:ISPORONANOL

RTECS #:NT8600000

Fraction by Wt: 4-5%

ACGIH TLV:400 PPM

Ingred Name:N-BUTYL ALCOHOL (SA

RA III)  
CAS:71-36-3  
RTECS #:EO1400000  
Fraction by Wt: 9-10%  
OSHA PEL:100 PPM  
ACGIH TLV:S, C 50 PPM; 9293  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

=====  
Hazards Identification  
=====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:SENSITIZER - MAY CAUSE ALLERGIC SKIN  
REACTION WHICH CAN BE SEVERE IN CERTAIN IN-DIVIDUALS  
Effects of Overexposure:SENSITIZER - MAY CAUS  
E ALLERGIC SKIN REACTION  
WHICH CAN BE SEVERE IN CERTAIN INDIVIDUALS

=====  
First Aid Measures  
=====

First Aid:SKIN: PROMPTLY WASH WITH MILD SOAP AND WATER. EYES:  
IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. CONSULT  
A PHYSICIAN.

=====  
Fire Fighting Measures  
=====

Flash Point Method:TCC  
Flash Point:40 F 4.44 C  
Lower Limits:0.9  
Upper Limits:15.8  
Extinguishing Media:CO2, FOAM, DRY CHEMICAL, AND/OR WA  
TER SPRAY  
Fire Fighting Procedures:USE SELF CONTAINED BREATHING APPARATUS  
Unusual Fire/Explosion Hazard:DECOMPOSITION AND COMBUSTION PRODUCTS MAY  
BE TOXIC

=====  
Accidental Release Measures  
=====

Spill Release Procedures:REMOVE ALL SOURCES OF HEAT AND OPEN FLAME.  
DIKE SPILL. ABSORB WITH INERT MATERIAL. SHOVEL INTO A CLOSABLE  
CONTAINER FOR DISPOSAL

=====  
Handling and Storage  
=====

Handling and Storage Precautions:FLAMMA

BLE LIQUID. STORE IN COOL DRY

PLACE AWAY FROM HEAT AND OPEN FLAME

Other Precautions:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING,  
DRINKING OR SMOKING.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:PAPROV/CCRFOV

Ventilation:GOOD MECHANICAL VENTILATION WITH LOCAL EXHAUST

Protective Gloves:NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES

Other Protective Equipment:SKIN CREAMS

Work Hygienic Practices:GOOD GENERAL HYGIENE PRACTICES

Supplementa

I Safety and Health

NK

=====  
Physical/Chemical Properties  
=====

Boiling Pt:B.P. Text:231 F

Decomp Temp:Decomp Text:NA

Vapor Pres:13.72MM

Vapor Density:3.64 AIR

Spec Gravity:1.2

pH:NA

Evaporation Rate & Reference:.93

Solubility in Water:INSOLUBLE

Appearance and Odor:CLEAR, WHITE, GREY LIQUIDS, SWEETLY AROMATIC

Percent Volatiles by Volume:70

Corrosion Rate:NA

=====  
Stability and Reactivity Data  
=====

Stability Indicator/Materials to Avo

id:YES

STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
ALDEHYDES AND NITROGEN

Conditions to Avoid Polymerization:BLEND OF A AND B COMPONENTS WILL  
SLOWLY POLYMERIZE

=====  
Disposal Considerations  
=====

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL, STATE, AND  
LOCAL REGULATIONS

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements

of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability for its use. Any person utilizing this  
document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.