

MATERIAL SAFETY DATA SHEET

SECTION I PREPARATION INFORMATION AND PRODUCT IDENTIFICATION

** PREPARATION INFORMATION **

PREPARED BY : Jay Folse

Preparation Date : 10-20-00

Telephone: Sigma Coatings: 504-347-4321 Chemtec Emergency: 800-424-9300

Manufacturer: SIGMA COATINGS USA B.V. 1401 DESTREHAN AVENUE HARVEY, LA.

** PRODUCT IDENTIFICATION **

Identification: HARDENER ST

Use: Protective Coating

Trade Name: SIGMACOVER ST/SIGMA MULTIMASTIC HARDENER

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT

1

CAS# 2855-13-2

ISOPHORONE DIAMINE

PCT BY WT: 10 - 25

EXPOSURE LIMIT:

ACGIH TLV (TWA)

ACGIH (TWA) STEL

ACGIH (TLV) CEILING

OSHA PEL TWA FINAL

OSHA PEL STEL FINAL

OSHA PEL CEILING

LC50

LD50

1,030 MG/KG (ORAL/RAT)

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

NOT ESTABLISHED

OVER 2 MG/ LITER

2

CAS# 25154-52-3

NONYLPHENOL

PCT BY WT: 50 - 75

EXPOSURE LIMIT:

ACGIH TLV (TWA)

ACGIH (TWA) STEL

ACGIH (TLV) CEILING

OSHA PEL TWA FINAL

OSHA PEL STEL FINAL

OSHA PEL CEILING

LC50

LD50

930 MG/ KG - (ORAL/RAT) - 2000 MG/KG (DRLM/RA

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

NOT AVAILABLE

HARDENER

CAS# 90-72-2 TRIS-2,4,6-(DIMETHYLAMINOMETHYL)PHENOL
 PCT BY WT: 1 - 10
 EXPOSURE LIMIT:
 ACGIH TLV (TWA) NOT ESTABLISHED
 ACGIH (TWA) STEL NOT ESTABLISHED
 ACGIH (TLV) CEILING NOT ESTABLISHED
 OSHA PEL TWA FINAL NOT ESTABLISHED
 OSHA PEL STEL FINAL NOT ESTABLISHED
 OSHA PEL CEILING NOT ESTABLISHED
 LD50 2169 MG/KG - ORAL/RAT
 LC50 NOT ESTABLISHED

CAS# 107-98-2 1-METHOXY-2-PROPANOL

PAGE 2

SIGMA COATINGS USA B.V.
 MATERIAL SAFETY DATA SHEET
 HARDENER ST SIGMACOVER ST/SIGMA MULTIMASTIC HARDE
 PCT BY WT: 1 - 10
 EXPOSURE LIMIT:
 ACGIH TLV (TWA) 100 PPM
 ACGIH (TWA) STEL 150 PPM
 ACGIH (TLV) CEILING NOT AVAILABLE
 OSHA PEL TWA FINAL 100 PPM
 OSHA PEL STEL FINAL 150 PPM
 OSHA PEL CEILING NOT AVAILABLE
 LD50 6,600 MG/KG ORAL/RAT
 LC50 OVER 10,000 PPM (4 HOURS)/RAT

CAS# 1330-20-7 XYLENE
 PCT BY WT: 7.6360
 EXPOSURE LIMIT:
 ACGIH TLV (TWA) 100 PPM - 434 MG/CUBIC METER
 ACGIH (TWA) STEL 150 PPM - 651 MG/CUBIC METER
 ACGIH (TLV) CEILING NOT AVAILABLE
 OSHA PEL TWA FINAL 100 PPM
 OSHA PEL STEL FINAL 150 PPM - 655 MG/CUBIC METER
 OSHA PEL CEILING NOT AVAILABLE
 LD50 4300 MG/KG (ORAL/RAT) 2 ML/KG (DERMAL/RABBIT
 TC (LOW) = 200 PPM (HUMAN TOXIC EFFECTS)

CAS# 100-41-4 ETHYL BENZENE
 PCT BY WT: 1.5640
 EXPOSURE LIMIT:
 ACGIH TLV (TWA) 100 PPM - 434 MG/CUBIC METER
 ACGIH (TWA) STEL 125 PPM - 543 MG/CUBIC METER
 ACGIH (TLV) CEILING NOT AVAILABLE
 OSHA PEL TWA FINAL 100 PPM - 434 MG/CUBIC METER
 OSHA PEL STEL FINAL 125 PPM - 543 MG/CUBIC METER
 OSHA PEL CEILING NOT AVAILABLE
 LD50 3500 MG/KG - ORAL/RAT
 LC50 TC (LOW) = 100 PPM/4 HOURS (HUMAN)