

STEELCOTE MANUFACTURING CO -- CURING AGENT, MIL-C-22750D #20,000 PTA --
8010-00-082-2436

===== Product Identification =====

Product ID:CURING AGENT, MIL-C-22750D #20,000 PTA

MSDS Date:11/13/1991

FSC:8010

NIIN:00-082-2436

Kit Part:Y

MSDS Number: BMQRH

=== Responsible Party ===

Company Name:STEELCOTE MANUFACTURING CO

Address:ONE STEELCOTE SQUARE

City:ST LOUIS

State:MO

ZIP:63103

Country:US

Info Phon

e Num:314-771-8053

Emergency Phone Num:800-424-9300 CHEMTREC

CAGE:93981

=== Contractor Identification ===

Company Name:STEELCOTE MANUFACTURING COMPANY

Address:ONE STEELCOTE SQUARE

Box:City:ST LOUIS

State:MO

ZIP:63103-2920

Country:US

Phone:314-771-8053

CAGE:93981

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

Ingred Name:2-PROPANOL (SARA 313) (VAPOR PRESSURE 30.00 MM HG @ 20 C)
(LEL 2.00 @ 25 C)

CAS:67-63-0

RTECS #:NT8050000

Fraction by Wt: 5 - 10%

Other REC Limits:NON

E SPECIFIED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500 PPM STEL

Ingred Name:N-BUTYL ACETATE (VAPOR PRESSURE 10 MM HG @ 20 C) (LEL 1.38 @ 38 C)

CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 25 - 30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM
ACGIH TLV:150 PPM/200 PPM STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ETHYL ACETATE (VAPOR PRESSURE 100 MM HG @ 27 C) (LEL 2.18 @ 25 C)

CAS:141-78-6
RTECS #:AH5425000
Fraction by Wt: 15 -20%
Other REC Limits:MFR LIMIT 5 PPM
OSHA PE
L:400 PPM (SKIN)
ACGIH TLV:400 PPM (SKIN)
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 20 - 25%
Other REC Limits:NONE SPECIFIED
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:SANDING/GRINDING DUST (DRIED PRODUCT FILM). OSHA PEL/TWA 15 MG/M3 TOTAL DUST/5 MG/M3 RESP FRACTION. #

RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Ingred Name:#ACGIH TLV/TWA 10 MG/M

3 TOTAL DUST.
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

Inged Name:SANDING/GRINDING OF DRIED FILM MAY BECOME DUST NUISANCE.
RTECS #:9999999ZZ
Other REC Limits:* 5 MG/M3 RESP FRACT
OSHA PEL:15 MG/M3 TOTAL DUST*
ACGIH TLV:10 MG/M3 TOTAL DUST

Inged Name:SKIN ABSORPTION MAY CONTRIBUTE TO THE OVERALL EXPOSURE TO MATERIAL. TAKE APPROPRIATE MEASURES TO PREVENT SKIN CONTACT.
RTECS #:9999999ZZ
Other REC Limits:NONE SPECIFIED

===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYE: SEVERE IRRIT, EXTENSIVE CORNEAL INJURY. SKIN: IRRIT. PROLONG/REPEAT: DEFAT/DRYING/DERMATITIS.
INHAL: IRRIT TO NOSE, THROAT, RESP TRACT, MUCOUS MEMBRANES. HIGH CONC: CENTRAL NERV SYS DEPRESS. PROL ONG OVEREXPOS: PERM BRAIN/NERV SYS DAMAGE. CONC & INHAL HARMFUL/FATAL. INGEST: SLIGHTLY TOXIC.
ASPIRATION OF MAT'L INTO

Effects of Overexposure:EYE: PAIN, TEARING, REDDENING & SWELLING. SKIN:

REDDENING, SWELLING, RASH. INHAL: RUNNY NOSE, SORE THROAT, COUGH, CHEST DISCOMFORT, SHORTNESS OF BREATH & REDUCED LUNG FUNCTION. INGEST: SORE THROAT, AB DOM PAIN, NAUSEA, VOMITING & DIARRHEA. HEADACHE, DIZZINESS, NAUSEA, SYMPTOMS OF INTOXICATION UNCONSCIOUSNESS, DEATH.

Medical Cond Aggravated by Exposure:PREEXISTING SKIN, EYE & RESP DISORDERS. IMPAIRED CENTRAL NERV SYS FUNCTION FROM PREEXISTING DISORDERS. CHRONIC OVEREXPOS: LOSS OF MEMORY, INTELLECTUAL ABILITY & COORDINATION.

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

First Aid:EYE: IMMED FLUSH EYES W/WATER 15 MIN, HOLDING EYELIDS OPEN. GET MED AID. SKIN: REMOVE CONTAM CLOTHING & SHOES. WIPE EXCESS FROM SKIN. FLUSH W/WATER & SOAP. SEEK MED AID IF IRRIT OCCURS. INGEST: DO NOT INDUCE VOMITING UNLESS DR ORDERS. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW THE HIPS TO PREVENT ASPIRATION INTO LUNGS. CONSULT A DR, HOSPITAL, POISON CONTROL CTR/TRAN

SPORT TO
EMERG FACILITY.

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

Flash Point Method:TCC

Flash Point:45.0F,7.2C

Extinguishing Media:WATER FOG, FOAM, DRY CHEMICAL OR CARBON DIOXIDE.
(THEORETICAL)

Fire Fighting Procedures:FLAMMABLE. EVACUATE UNPROTECTED. DON'T ENTER
CONFINED FIRE SPACE WITHOUT HELMET, FACE SHIELD, BUNKER COAT,
GLOVES, RUBBER BOOTS, & POSS PRESS NIOSH SCBA.

Unusual Fire/Explosion Hazard:COOL CNTNRS EXPOSED TO HEAT W/WATER TO
PREVENT

PRESS BLDUP/CNTNR RUPTURE. COOL CNTNR AREA EXPOSED TO
DIRECT FLAME W/WATER AS NEEDED TO PREVENT CNTNR WEAKENING.

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

Spill Release Procedures:LRG SPILLS: EVACUATE UNPROTECTED. WEAR APPROP
RSPRTR & PROTECT CLOTHING. STOP LEAK IF SAFE. DIKE/CONTAIN. VAPOR
CLOUD, WATER FOG TO SUPRESS. CONTAIN RUNOFF. REMOVE W/VACUUM
TRUCK/PUMP TO STOR/SALV VES SELS. SOAK UP W/ABSORB. PLACE IN
NON-LEAKING

===== H
andling and Storage =====

Handling and Storage Precautions:KEEP LIQUID & VAPOR AWAY FROM
HEAT/IGNITION SOURCES PRIOR TO USE & UNITL VAPORS ARE GONE.
SURFACES THAT ARE SUFFICIENTLY HOT MAY IGNITE PROD.

Other Precautions:VAPORS ACCUMULATE AND TRAVEL TO IGNITION SOURCES
DISTANT FROM HANDLING SITE. KEEP CONTAINERS CLOSED WHEN NOT IN USE.
USE WITH ADEQUATE VENTILATION. CONTAINERS, EVEN IF EMPTY, CAN
CONTAIN EXPLOSIVE VAP ROS, DO NOT CUT, DRILL, GRIND OR WELD.

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

Respiratory Protection:IF EXPOSURE EXCEED THE PEL/TLV, USE THE
APPROPRIATE NIOSH APPROVED RESPIRATOR.

Ventilation:USE VENTILATION AS REQUIRED TO CONTROL VAPOR
CONCENTRATIONS-- AT LEAST 10 AIRCHANGES PER HR RECOMM GOOD GENERAL
RM VENT.

Protective Gloves:APPROPRIATE GLOVES TO PREVENT CONTACT

Eye Protection:SAFETY GLASSES, GOGGLES OR SPLASH SHIELD

Other Protective Equipment:WEAR PROTECTIVE CLOTHING TO PREVENT CONTACT

W/ SKIN & CLOTHING. EYEWASH FOUNTAINS & SAFETY SHOWERS SHOULD BE AVAILABLE.

Work Hygienic Practices: DON'T WEAR CONTACT LENSES. WASH W/SOAP & WATER BEFORE EATING/DRINKING/SMOKING/USING BATHROOM. WASH CLOTH BEFORE REUSE.

Supplemental Safety and Health

LUNG DURING INGEST OR FROM VOMITING MAY RESULT IN SEVERE LUNG DAMAGE. CENTRAL NERV SYS DEPRESSION.

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

HCC:F3

Vapor Density:>1

Spec Gravity:7.44 LB/GL

Evaporation Ra

te & Reference: