

CHEMRAY COATING CORP -- PAINT, TRAFFIC, HIGHWAY-WHITE -- 8010-00-900-2940  
===== Product Identification =====

Product ID:PAINT, TRAFFIC, HIGHWAY-WHITE

MSDS Date:04/25/1990

FSC:8010

NIIN:00-900-2940

MSDS Number: BHVVT

=== Responsible Party ===

Company Name:CHEMRAY COATING CORP

Address:209 N MICHIGAN AVE

City:KENILWORTH

State:NJ

ZIP:07033

Country:US

Info Phone Num:201-245-1111

Emergency Phone Num:80

0-424-9300 (CHEMTREC)

Preparer's Name:FRED ARMSTRONG

CAGE:33832

=== Contractor Identification ===

Company Name:CHEMRAY COATING CORP

Address:209 N MICHIGAN AVE

Box:City:KENILWORTH

State:NJ

ZIP:07033

Country:US

Phone:201-245-1111

CAGE:33832

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

Ingred Name:METHYL CHLOROFORM (1,1,1-TRICHLOROETHANE) (SARA III)

CAS:71-55-6

RTECS #:KJ2975000

Fraction by Wt: 13.4%

OSHA PEL:350 PPM/450 STEL

ACGIH TLV:350 PPM/450STEL;9192

EPA Rpt Qty:1000

LBS  
DOT Rpt Qty:1000 LBS  
Ozone Depleting Chemical:1

Ingred Name:1,4-DIOXANE (DIETHYLENE DIOXIDE) (SARA III)  
CAS:123-91-1  
RTECS #:JG8225000  
OSHA PEL:S, 100 PPM  
ACGIH TLV:S, 25 PPM; 9293  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 4.0%  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:TITANIUM DIOXIDE  
CAS:13463-67-7  
RTECS #:XR2275000  
Fraction by Wt: 9.4%  
OSHA PEL:15  
MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)  
CAS:78-93-3  
RTECS #:EL6475000  
Fraction by Wt: 7%  
OSHA PEL:200 PPM/300 STEL  
ACGIH TLV:200 PPM/300STEL 9192  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:VOC=2.07 LBS/GAL OR 248 GRAMS/LITER  
RTECS #:9999999VO

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:N

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Health Hazards Acute and Chronic:EYE:IRRIT. SKIN:IRRIT, DRY & CRACKING.  
MAY BE ABSORBED(TOXICITY ARE NOT ANTICIPATED BY THIS ROUTE ALONE  
UNDER NORMAL CONDITIONS OF USE). BREATHING HIGH CONCENTRATE OF  
VAPORS/MISTS MAY CAUSE IRRIT OF N OSE, THROAT, NERV SYS DEPRESS.  
ASTHMA LIKE CONDITIONS AGGRAVATED. LUNG INFLAMMATION & DAMAGE. SEE  
FILE FOR ADDIT INFO

Explanation of Carcinogenicity:EDITORS NOTE: 1,4 DIOXANE IS LISTED AS  
CLASS 2 B CARCINOGEN. NOT MENTIONED ON MSDS.

#### Effects

of Overexposure:EYES:IRRIT, DIRECT CONTACT-STING, TEARS,  
REDNESS. SKIN: IRRIT, REDNESS, BURNING, DRYING, CRACKING. IF  
PRE-EXISTING DISORDERS, MAY BE MORE SUSCEPTIBLE. INHALE:HEADACHE,  
DROWSINESS, DIZZINESS, LOSS OF C OORDINATION, FATIGUE,  
INGESTION:NAUSEA,VOMIT, DIARRHEA, DROWSINESS, DIZZINESS. VOMIT CAN  
CAUSE LUNG INFLAMMATION/DAMAGE

Medical Cond Aggravated by Exposure:PRE-EXIST SKIN DISORDER MAY BE MORE  
SUSCEPTIBLE TO EFFECTS & PRE-EXISTING LUNG DISORDER(E.G.  
ASTHM

A-LIKE CONDITONS)MAY BE AGGRAVATED.MAY BE ASSOCIATED W/CARDIAC  
ARRHYTHMIAS & AGGRAVATED LIVER DISORDER

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

First Aid:EYES:GET FRESH AIR, FLUSH W/WTR. IF SYMP PESIST, SEEK MED  
ATTN. SKIN: REMOVE CONTAM SHOES/CLOTHES, CLEANSE THORO W/SOAP &  
WTR. IF IRRIT/REDNESS DEVELOP/PERSIST, SEEK MED. INHALE:MOVE TO  
FRESH AIR, SYM P PERSIST, SEEK MED IMMED. BREATH STOP GIVE CPR, IF  
BREATH DIFF, GIVE OXYGEN, SEEK MED IMMED. I  
NGEST:DON'T INDUCE  
VOMIT/GIVE ANYTHING BY MOUTH.IF UNCONC/DROWSI PLACE ON LEFT SIDE  
W/HEAD DOWN. SEEK MED

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

Flash Point Method:SCC

Flash Point:24 F/-4.4 C

Autoignition Temp:Autoignition Temp Text:960 F

Lower Limits:1.0

Upper Limits:11.0

Extinguishing Media:CARBON DIOXIDE, FOAM, WATER FOG, DRY CHEMICAL.

Fire Fighting Procedures:USE AIR SUPPLIED BREATHING EQUIPMENT. COOL  
ENCLOSED CONTAINERS WITH WATER SPRAY. AVOID BRE

ATHING VAPORS OR  
FUMES.

Unusual Fire/Explosion Hazard:IF LEAK OR SPILL HAS IGNITED, USE WATER  
SPRAY TO DISPERSE THE VAPORS FROM FIRE FIGHTERS.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. KEEP FROM HEAT,  
SPARKS & OPEN FLAME. ADD ABSORBENT (SAND, EARTH, SAWDUST) TO SPILL.  
VENT AREA (OPEN WINDOWS, DOORS). LARGE SPILL: KEEP PRODUCT FROM  
ENTERING SEWERS/WATERCO URSES BY DIKING. ADVISE AUTHORITIES IF DO  
ES  
ENTER.

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

Handling and Storage Precautions:STORE AWAY FROM IGNITION SOURCES. KEEP  
IN COOL, DRY, WELL VENTILATED AREAS. AVOID DIRECT SUNLIGHT &  
EXTREME TEMPERATURES, HOT OR COLD.

Other Precautions:AVOID EYE, SKIN CONTACT, INHALATION OR INGESTION OF  
MISTS, SPRAY OR VAPORS. AVOID BREATHING SANDING OR BLASTING DUST.

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

Respiratory Protection:USE HYD  
ROCARBON VAPOR CANISTER OR SUPPLIED AIR  
RESPIRATOR IN CONFINED AREAS.

Ventilation:LOCAL EXHAUST: FACE VELOCITY 60FPM. SPECIAL: USE ONLY  
W/ADEQUATE VENTILATION. MECHANICAL: USE EXPLOSION PROOF EQUIPMENT.

Protective Gloves:CHEMICAL RESISTANT.

Eye Protection:SPLASH GOGGLES OR FACE SHIELDS.

Other Protective Equipment:USE CHEMICAL RESISTANT APRON OR CLOTHING.

Supplemental Safety and Health

SEE FILE FOR ADDITIONAL INFORMATION.

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

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Boiling Pt:B.P. Text:162F,72C

Melt/Freeze Pt:M.P/F.P Text:0 F(-17.8C)

Decomp Temp:Decomp Text:600 F(316C)

Vapor Pres:45-134@68F

Vapor Density:4.6 @ 77 F

Spec Gravity:1.67 (H2O=1)

Viscosity:70-80@77FKREB

Evaporation Rate & Reference:5.0 (BUTYL ACETATE=1)

Solubility in Water:NEGLIGIBLE

Appearance and Odor:WHITE LIQUID WITH PAINT SOLVENT ODOR.

Percent Volatiles by Volume:40.8

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

Stability Indicator/Materials to Avoid:YES  
CAN

REACT W/OXIDIZING MATERIAL WHEN HEAT TO DECOMP. STRONG ACIDS/BASES,  
ALKALIES & REACTIVE METALS(IE SODIUM, POTASSIUM)

Stability Condition to Avoid:HIGH TEMPERATURE AND HIGH PRESSURE IN  
ALUMINUM SYSTEMS.

Hazardous Decomposition Products:CARBON MONOXIDE, PHOSGENE &  
HYDROCHLORIC ACID, CARBON DIOXIDE.

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

Waste Disposal Methods:ASSURE CONFORMITY WITH APPLICABLE DISPOSAL  
REGULATIONS DISPOSE OF ABSORBED MATERIAL AT AN AP  
PROVED DISPOSAL  
SITE OR FACILITY. DISPOSE IN CONFORMITY WITH STATE & FEDERAL  
REGULATIONS.

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