

CHEMRAY COATING CORP -- PAINT, TRAFFIC, HIGHWAY-YELLOW 33538 -- 8010-00-900-3650

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

Product ID:PAINT, TRAFFIC, HIGHWAY-YELLOW 33538

MSDS Date:05/07/1990

FSC:8010

NIIN:00-900-3650

MSDS Number: BHVVW

=== 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:800-424-9300 (CHEMTREC)

Preparer's Name:FRED ARMSTRON

G

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:CHROME YELLOW (AS LEAD CHROMATE)

CAS:7758-97-6

RTECS #:GB2975000

Fraction by Wt: 7.5%

OSHA PEL:005 MG/M3

ACGIH TLV:005 MG/M3

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%
OSHA PEL:200 PPM/150 STEL
ACGIH TLV:50 PPM; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:
e: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:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
Fraction by Wt: 2.8%
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3 TDUST; 9293

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

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

Routes of Entry: Inhal

ation:YES Skin:YES Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:EYES: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 CONDITION MAY BE AGGRAVATED. LUNG

INFLAMMATION/DAMAGE.SEE FILE FOR ADDIT INFO

Explanation of Carcinogenicity:CA

RCINOGEN, LEAD POISONING (MATERIAL

SOLIDS CONTAIN LEAD CHROMATE).

Effects of Overexposure:EYES:IRRIT, DIRECT CONTACT-STING, TEARING,

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. VOMITING CAN CAUSE LUNG INFLAMM/DAMAGE

Medical Cond Aggravated by Exposure:PRE-EXIST SKIN DISORDER MAY BE

MORE

SUSCEPTIBLE TO EFFECTS & PRE-EXISTING LUNG DISORDERS(E.G.

ASTHMA-LIKE CONDITION)MAY BE AGGRAVATED.MAY BE ASSOCIATED W/CARDIAC ARRHYTHMIAS & AGGRAVATE LIVER DISORDER

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

First Aid:EYES:GET FRESH AIR, FLUSH W/WTR. IF SYMP PERSIST, SEEK MED

ATTN. SKIN:REMOVE CONTAM SHOES/CLOTHES, CLEANSE THORO W/SOAP & WTR.

IF IRRI/RED DEVELOP/PERSIST, SEEK MED. INHALE:MOVE TO FRESH AIR, SYMP PER SIST, SEEK MED IMMED. BR

EATH STOP GIVE CPR, IF BREATH

DIFF, GIVE OXYGEN, SEEK MED IMMED. INGEST: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 BREAT

HING EQUIPMENT. COOL

ENCLOSED CONTAINERS WITH WATER SPRAY. AVOID BREATHING 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 FR

OM

ENTERING SEWERS/WATERCO URSES BY DIKING. ADVISE AUTHORITIES IF DOES 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 Con
trols/Personal Protection =====

Respiratory Protection:USE HYDROCARBON 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

===== Physical/Ch
emical Properties =====

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:1.68 (H2O=1)

Viscosity:70-80 @77FKREB

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

Solubility in Water:NEGLIGIBLE

Appearance and Odor:SCHOOL BUS YELLOW WITH PAINT SOLVENT ODOR.

Percent Volatiles by Volume:40.8

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

Stabil

ity 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 & HYDRO
CHLORIC ACID, CARBON DIOXIDE.

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

Waste Disposal Methods: ASSURE CONFORMITY WITH APPLICABLE DISPOSAL
REGULATIONS

DO NOT DISPOSE OF ABSORBED MATERIAL AT AN APPROVED DISPOSAL
SITE OR FACILITY. DISPOSE IN CONFORMITY WITH STATE & FEDERAL
REGULATIONS.

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