

STERLING LACQUER MFG CO INC -- ASTRO PRI CATALYST, 8201 -- 8010-01-129-1146

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

Product ID:ASTRO PRI CATALYST, 8201
MSDS Date:08/29/1994
FSC:8010
NIIN:01-129-1146
MSDS Number: CGRQY
=== Responsible Party ===
Company Name:STERLING LACQUER MFG CO INC
Address:3150 BRANNON AVE
City:ST LOUIS
State:MO
ZIP:63139
Country:US
Info Phone Num:314-776-4450
Emergency Phone Num:800
-424-9300(CHEMTREC)
Preparer's Name:P D MOORE
CAGE:60003
=== Contractor Identification ===
Company Name:STERLING LACQUER MFG CO
Address:3150 BRANNON AVE
Box:City:ST. LOUIS
State:MO
ZIP:63139-1422
Country:US
Phone:314-776-4450
CAGE:60003

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

Ingred Name:ACETIC ACID, 2-METHOXY-1-METHYLETHYL ESTER; (PROPYLENE
GLYCOL MONOMETHYL ETHER ACETATE). VAPOR PRESSURE: 3.7 @ 68F.
CAS:108-65-6
RTECS #:AI8925000
Fraction by Wt: 50%
OSHA PEL:

N/K
ACGIH TLV:N/K

Ingred Name:ACETIC ACID, ISOPROPYL ESTER; (ISOPROPYL ACETATE). VAPOR
PRESSURE 47.5 @ 68F.

CAS:108-21-4
RTECS #:AI4930000
Fraction by Wt: 30%
OSHA PEL:250 PPM
ACGIH TLV:250 PPM; 310 STEL

Ingred Name:PHOSPHORIC ACID (SARA 313) (CERCLA)

CAS:7664-38-2
RTECS #:TB6300000
Fraction by Wt: 3%
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 3 STEL
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:2,4-PENTANEDIONE. VAPOR PRESSURE: 7.0 @ 68F.

CAS:123-54-6
RTECS #:SA1925000
Fraction by Wt:
15%
OSHA PEL:N/K
ACGIH TLV:N/K

Ingred Name:VOLATILE ORGANIC COMPOUND: COATING: 7.68 LB/GL (921 G/L).
MATERIAL: 7.64 LB/GL (915 G/L).

RTECS #:9999999VO
OSHA PEL:N/K
ACGIH TLV:N/K

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:REPEATED SUSTAINED EXPOSURES TO HIGH
CONCENT

RATIONS OF VAPOR, GREATER THAN 300-400 PPM COULD RESULT IN ADVERSE HEALTH EFFECTS. ANIMAL STUDIES SUGGEST CENTRAL NERVOUS SYSTEM, IMMUNE SYSTEM, AND RED BLO OD CELL FORMING SYSTEM MAY BE INVOLVED.

Explanation of Carcinogenicity:NOT RELEVANT.

Effects of Overexposure:INHAL: IRRIT TO RESP TRACT (NOSE, THROAT, LUNGS) &/OR NARC. EXPOS TO ABOUT 1000 PPM FOR 30 MINS/LONGER COULD RSLT IN INHAL OF HARMFUL & POSS FATAL AMTS OF MATL. SKIN & EYE: IRRIT, MAY INJ EYE TISS IF NOT PROPER

LY REMOVED. SKIN ABSORP:

SLIGHT IRRIT DUE TO SOVLS. INGEST: MOD TOX. MAY CAUSE NAUS, VOMIT, & DIARR. (SUPDAT)

Medical Cond Aggravated by Exposure:RESPIRATORY PROBLEMS CAN BE INCREASED BY INHALATION OF VAPORS.

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

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AFFECTED AREA WITH SOAP AND WATER. INHALATION: MOVE TO FRESH AIR.

OBTAIN MEDIC AL ATTENTION IF NEEDED. INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL ATTENTION. FOR INDUSTRIAL USE. KEEP AWAY FROM CHILDREN.

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

Flash Point Method:TCC

Flash Point:35F,1.7C

Lower Limits:1.3%

Upper Limits:13.1%

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT . USE WATER NOZZLES TO COOL CLOSED CONTAINER.

Unu

sual Fire/Explosion Hazard:DO NOT USE WATER. FLAMM LIQ, CAN RELS VAPS THAT FORM FLAMM MIX AT TEMP AT/ABOVE FLPT. ELIM & ISOLATE FROM ALL SOURCES OF IGNIT. COMBUST WILL PRDCE CO*2,(SUPDAT)

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

Spill Release Procedures:WEAR NIOSH APPROVED RESPIRATOR, ABSORB WITH VERMICULITE OR OTHER ABSORBENT MATERIAL. ELIMINATE ALL IGNITION SOURCES. STOP SPILL AT SOURCE AND PREVENT SPREADING.

Neutralizing Agent:NONE SPECIFIED BY MAN

UFACTURER.

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

Handling and Storage Precautions:STORE IN DRY AREA. KEEP CNTNRS TIGHTLY CLSD. PROT FROM PHYS DMG. EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID).

Other Precautions:ALL HAZ PRECS GIVEN IN MSDS MUST BE OBSERVED. STORE BELOW 120F. STORE LRG QTYS IN BUILDINGS DESIGNED TO COMPLY W/OSHA 1910.106. KEEP CLOSURE TIGHT & CNTNR UPRIGHT TO PVNT LEAKAGE. DO NOT STORE NEAR HE AT, SPARKS/FLAME. DO NOT GET IN (SUPDAT)

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

Respiratory Protection:IF TLV OF PROD/ANY COMPONENT IS EXCEEDED, NIOSH APPRVD AIR SUPP RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CNTRL. OSHA REGS ALSO PERMIT OTHER NIOSH APPRVD RESPS UNDER SPECIFIED CNDTNS. (SEE YOUR SAFETY EQUIP SUPP). ENGINEERING/ (SUPDAT)

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)

Protective Gloves:SOLVENT RESISTANT GLOVES.

Eye Protection:ANSI APPRVD CHEM WORKERS GOGGLES .

Other Protective Equipment:ANSI APPROVED EYE WASH & DELUGE SHOWER . TO PREVENT RPTD/PRLNGD SKIN CONTACT, WEAR SOLV IMPERVIOUS CLTHG & BOOTS.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER USE, BEFORE EATING OR SMOKING.

Supplemental Safety and Health

EXPLOSION HAZARDS: CO, AND TOXIC GASES. EFFECTS OF OVEREXPOSURE: DO NOT TAKE INTERNALLY. CONSULT PHYSICIAN. OTHER PRECAUTIONS: EYE

S. KEEP

AWAY FROM CHILDREN. AVOID SKIN CONTACT. DO NOT TAKE INTERNALLY . FOR INDUSTRIAL USE. RESPIRATORY PROTECTION: ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED.

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

Boiling Pt:B.P. Text:>185F,>85C

Vapor Pres:SEE INGS

Vapor Density:HVR/AIR

Spec Gravity:1.0 (H*2O=1)

Evaporation Rate & Reference:SLOWER THAN ETHER

Solubility in Water:NEGLIGIBLE

Appearance and Odor:CLEAR LIQUID, SOLVENT ODOR.

=====
Sta

bility and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid: EXCESSIVE HEAT.

Hazardous Decomposition Products: BURNING CAN PRODUCE CARBON DIOXIDE AND/OR CARBON MONOXIDE.

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

Waste Disposal Methods: DESTROY BY LIQUID INCINERATION. CONTAMINATED ABSORBENT MAY BE DEPOSITED IN LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL 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.

n.