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AKZO COATINGS INC./AEROSPACE FINISHES DIV. -- CURING SOLN(CA-97) FOR 463-6 RESIN/IN KIT  
-- 1615-01-115-3616

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

Product ID:CURING SOLN(CA-97) FOR 463-6 RESIN/IN KIT

MSDS Date:10/31/1988

FSC:1615

NIIN:01-115-3616

Kit Part:Y

MSDS Number: BGWFS

=== Responsible Party ===

Company Name:AKZO COATINGS INC./AEROSPACE FINISHES DIV.

Address:434 W. MEATS AVE

City:ORANGE

State:CA

ZIP:92665

Country:US

Info Phone Num:313-855-7313 AFTER HOURS

Emergency Phone Num:313-589-3660(8 AM 4:45 PM E.S.T.)

CAGE:98502

=== Contractor Identification ===

Company Name:AKZO COATINGS INC

Address:434 W. MEATS STREET

Box:City:ORANGE

State:CA

ZIP:92661

Country:US

Phone:714-637-1750; CHEMTREC 800-424-9300

CAGE:98502

Company Name:BOEING HELICOPTERS, DIV OF THE BOEING CO

Address:BOEING CENTER, INDUSTRIAL HWY BLDG 3-25

Box:City:RIDLEY PARK

State:PA

ZIP:19078

Country:US

Phone:215-591-3010

CAGE:7727

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)  
CAS:67-63-0  
RTECS #:NT8050000  
Fraction by Wt: 40.-55%.  
OSHA PEL:400 PPM/500 STEL  
ACGIH TLV:400 PPM/500STEL;9192

Ingred Name:TOLUENE (SARA III)  
CAS:108-88-3  
RTECS #:XS5250000  
Fraction by Wt: 45.-60%.  
OSHA PEL:200 PPM/150 STEL  
ACGIH TLV:50 PPM; 9293  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

## ==== Hazards Identification =====

Routes of Entry: Inhal  
ation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE:EYE IRRITANT,CONTACT MAY CAUSE  
EYE BURNS OR CORNEAL INJURY. EXCESSIVE INHALATION OF VAPORS CAN  
CAUSE NASAL & RESPIRATORY  
IRRITATION,DIZZINESS,WEAKNESS,FATIGUE,NAUSEA,ETC.; CHRONIC:REPEATED  
OVERE XPOSURE MAY RESULT IN DELAYED KIDNEY INJURY, ALSO POSSIBLE  
LIVER ABNORMALITIES.  
Effects of Overexposure:EYE:IRRITANT,TEARING,BLURRED  
VISION,REDNESS,BURN O  
R CORNEAL INJURY; SKIN: DERMATITIS & MILD  
IRRITATION; INHAL: NASAL & RESPIRATORY IRRITATION, DIZZINESS,  
WEAKNESS, HEADACHE, POSSIBLE UNCONSCIOUSNESS & EVEN ASPHYXIATION;  
INGEST: MAY CAUSE G.I. IRRITATION, NAUSEA, VOMITING & DIARRHEA.  
Medical Cond Aggravated by Exposure:NONE EXPECTED.

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

First Aid:EYE: FLUSH W/WATER FOR AT LEAST 15 MINS.GET MEDICAL ATTN.;  
SKIN: WASH W/ SOAP & WATER; INHAL:MOVE TO FRESH AIR. GIVE

ARTIFICIAL RESPIRATION IF NECESSARY; INGEST: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DONOT INDUCE VOMITING. GET MEDICAL ATTN IMMEDIATELY. TREAT SYMPTOMATICALLY.

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

Flash Point Method:TCC

Flash Point:40F/4.4C

Lower Limits:1.2

Extinguishing Media:FOAM, CARBON DIOXIDE, DRY CHEMICALS.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE. WATER SHOULD BE USED TO COOL CONTAINERS EXPOSED TO FIRE. FIRE FIGHTING PERSONNEL SHOULD

WEAR SELF-CONTAINED BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS,ELECTRICAL EQUIPMENT & OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

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

Spill Release Procedures:REVIEW: A)FIRE & EXPLOSION HAZARD;

B)REACTIVITY; C)HEALTH HAZARD; D)SAFE HANDLING & USE INFORMATION; & E)SPECIAL PRECAUTION SECTORS. REMOVE ALL IGNITION

SOURCES. AVOID

BREATHING VAPORS. VENTILATE AREA . REMOVE SPILLED MATERIAL W/ INERT ABSORBENT.

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

Handling and Storage Precautions:STORE CONTAINERS OUT OF SUN & AWAY FROM HEAT, SPARKS & OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE. CONSULT N.F.P.A. CODE FOR ADDITIONAL STORAGE REQS

Other Precautions:DONOT TAKE INTERNALLY. USE APPROVED BONDING & GROUNDING PROCEDURES. OBSERVE LABEL PRECAUTIONS. KEEP CLOSURES

TIGHT & CONTAINER UPRIGHT TO PREVENT LEAKAGE. NEVER USE PRESSURE TO EMPTY-DRUM IS NOT A PRESSURE VESSEL.DONOT WELD OR FLAME CUT!

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

Respiratory Protection:USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE. SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION & RECOMMENDATION. IN CONFINED AREAS, USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

Ventilation:PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOWS

GIVEN TLV & LEL.FOR BAKING FINISHES, EXHAUST VAPORS.  
Protective Gloves:NON-PERMEABLE TYPE FOR TASK AT HAND.  
Eye Protection:TYPE DESIGNED TO PROTECT AGAINST SPLASH.  
Other Protective Equipment:EYE BATH & SHOWER SHOULD BE AVAILABLE. USE  
CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING TO AVOID SKIN  
CONTACT.  
Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING OR PERFORMING  
OTHER DUTIES.  
Supplemental Safety and Health  
MFR CODE: CA97; HAZ CHAR CODE IS FOR OVERALL KIT, FOR THIS PART  
KEY1:  
F2; PART 4 OF 9 PARTS PUT TOGETHER BY BOEING HELICOPTERS UNDER MFR  
DRAWING 114RK651-2.

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

HCC:F2  
Boiling Pt:=82.2C, 180.F  
B.P. Text:180-498F(RG  
Vapor Density:>1.  
Spec Gravity:0.84  
Evaporation Rate & Reference:(ETHER=1);SLOWER THAN  
Percent Volatiles by Volume:92.2

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

Stability Indicator/Materials to Avoid:YES  
NONE REASONABLY FORESEEABLE.  
Hazardo  
us Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE, SMOKE  
& OXIDES OF NITROGEN.(DURING EMERGENY,OVEREXPOSURE TO PRODUCTS MAY  
AFFECT HEALTH)

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

Waste Disposal Methods:INCINERATE IN AN APPROVED FACILITY; DONOT  
INCINERATE CLOSED CONTAINERS. DISPOSE OF I/A/W FEDERAL,STATE &  
LOCAL POLLUTION CONTROL REQUIREMENTS.

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