

AKZO COATINGS INC., AEROSPACE FINISHES DIV -- CATALYST FOR 453-3/463-3-1 --
8010-01-236-8651

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

Product ID:CATALYST FOR 453-3/463-3-1
MSDS Date:08/23/1989
FSC:8010
NIIN:01-236-8651
Kit Part:Y
MSDS Number: BJQZD
=== Responsible Party ===
Company Name:AKZO COATINGS INC., AEROSPACE FINISHES DIV
Address:434 W MEAT AVE
City:ORANGE
State:CA
ZIP:92665
Country:US
Info Phon
e Num:313-637-0400
Emergency Phone Num:800-424-9300 CHEMTREC/313-637-0400
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

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

Ingred Name:N-BUTYL ACETATE (SARA III)
CAS:123-86-4
RTECS #:AF7350000
Fraction by Wt: 5-20%
Other REC Limits:NONE SPECIFIED
OSHA PEL:150 PPM/200 STEL
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CGIH TLV:150 PPM/200STEL;9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:2-BUTOXYETHANOL

CAS:111-76-2

RTECS #:KJ8575000

Fraction by Wt: 10-25%

Other REC Limits:SKIN

OSHA PEL:S, 50 PPM

ACGIH TLV:S, 25 PPM; 9293

Ingred Name:N-BUTYL ALCOHOL (SARA III)

CAS:71-36-3

RTECS #:EO1400000

Fraction by Wt: 20-35%

Other REC Limits:SKIN

OSHA PEL:100 PPM

ACGIH TLV:S, C 50 PPM; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:DIETHYLENE TRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Fraction by

Wt: 5-20%

Other REC Limits:SKIN

OSHA PEL:1 PPM

ACGIH TLV:S, 1 PPM; 9192

Ingred Name:METHYL ETHYL KETONE (2-BUTANONE) (MEK) (SARA III)

CAS:78-93-3

RTECS #:EL6475000

Fraction by Wt: 30-45%

Other REC Limits:NONE SPECIFIED

OSHA PEL:200 PPM/300 STEL

ACGIH TLV:200 PPM/300STEL 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ISOBUTYL KETONE (SARA III)

CAS:108-10-1

RTECS #:SA9275000

Fraction by Wt: 5-20%

Other REC Limits:NONE SPECIFIED

OSHA PEL:100 PPM/75 STEL

ACGIH TLV:50 PPM/75 S

TEL; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:TOLUENE (SARA III)
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: < 5%
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

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALE: NASAL & RESPIR IRR
ITANT,

DIZZY,WEAK,FATIGUE,HEADACHE,COUGH,NAUSEA,VOMITING,UNCONSCIOUS,ASPHY
X,MILD DEPRESS,CONVULSIONS. EYE: SEVERE
IRRITANT,REDNESS,TEARING,BLURRY VISION & SENSATION OF SEEING HALOS
AROUND LIGHTS. BLINDNESS,EYE BURNS,CORNEAL INJURY. SKIN: EXTRACTS
NATURAL OILS,DERMATITIS,ABSORPTION. ALLERGY, *

Effects of Overexposure:*SENSITIZATION,BURNS,ULCERATIONS.

INGEST:GAS/INTESTINAL IRRITANT. COUGHING, HEADACHE, NAUSEA,
VOMITING, DIARRHEA,DEPRESS,WEAKNESS. LUNG ASPIRATION: CHEM

ICAL

PNEUMONITIS WHICH CAN BE FATAL. OVEREXPOSUR E MY RESULT IN DAMAGE
TO THE BLOOD, KIDNEYS, LIVER, BONE MARROW &/OR EYES. IRRITANT &
DEPRESSANT FOR CENTRAL NERVOUS SYS

Medical Cond Aggravated by Exposure:REPORTS HAVE ASSOCIATED REPEATED &
PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT
BRAIN & NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY CONCENTRATING
AND INHALING MAY BE HARMFUL/FATAL.

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

First Aid:INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF
NECESSARY. SKIN: WASH WITH SOAP AND WATER. EYE: FLUSH WITH WATER
FOR AT LEAST 15 MIN, CONSULT A PHYSICIAN. INGESTION: DRINK ONE OR
TWO GLA SSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT
PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT
SYMPTOMATICALLY.

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

Flash Point Method:TCC
Flash Point:23.0F,-5.0C
Lower Limits:1.1
Extin

guishing 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:EXTREME HEAT MAY CAUSE CLOSED CONTAINERS EXPLODE. OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE DELAYED HEALTH HAZARD WHICH MAY NOT BE IMMEDIATELY APPARENT.

===== Accidental Release Measures =====
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Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE WITH INERT MATERIAL.

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

Handling and Storage Precautions:STORE CONTAINER AWAY FROM SUN/HEAT/IGNITE SOURCES. KEEP CONTAINER CLOSED. USE APPROVED BONDING & GROUNDING PROCEDURES. PREVENT LEAKS-KEEP CONTAINERS**

Other Precautions:**UPRIGHT. DO NOT USE PRESSURE TO EMPTY-DRUM IS NOT A PRESSURE VESSEL. AVOID BR EATHING SANDING DUST. DO NOT WELD OR FLAME CUT AN EMPTY DRUM.DO NOT HANDLE UNTIL THE SAFETY PRECAUTIONS HAVE BEEN READ AN D UNDERSTOOD.

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

Respiratory Protection:ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE. SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUTION AND RECOMMENDATION. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESP IRATOR OR HOOD.

Ventilation:PROVIDE VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV & LEL. BAKING FINISHES: EXHAUST VAPORS EMITTED ON HEATING.

Protective Gloves:REQUIRED FOR PROLONGED/REPEATED CONTACT.

Eye Protection:SAFETY EYEWEAR TO PROTECT FROM SPLASHES.

Other Protective Equipment:EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING IF NECESSARY.

Work Hygienic Practices:WASH HANDS BEFORE EATING, SMOKING, OR USING WASHROOM. AVOID CONTACT WITH SKIN. AVOID BREATHING FUMES.

Supplemental Saf

ety and Health

REMOVE DECOMPOSITION PRODUCT FORMED DURING WELDING/FLAME CUTTING OF SURFACES COATED WITH THIS PRODUCT. LIQUID MAY PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION. HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY, KEEP EXPOSURE TO LIQUID/VAPOR MINIMAL.

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

Boiling Pt:B.P. Text:175 TO 405F
Vapor Density:> THAN AIR
Evaporation Rate &
; Reference:SLOWER THAN ETHER
Percent Volatiles by Volume:87.0

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

Stability Indicator/Materials to Avoid:YES
Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,
SMOKE, OXIDES OF NITROGEN.

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

Waste Disposal Methods:INCINERATE IN AN APPROVED FACILITY, DO NOT
INCINERATE CLOSED CONTAINERS. DISPOSE OF IN ACCORDANCE WITH
FEDERAL, STATE AND LOCAL POLLUTION CONTROL REQUIREMENTS.

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