

1FID: 00048250
VER DATE: 1997-11-06

C H E M I S T R I
MATERIAL SAFETY DATA SHEET

DATE: 10/22/02
TIME: 19:01:08
PAGE: 0001

SECTION 01: CHEMICAL PRODUCT & COMPANY ID

PRODUCT PRIMARY NAME: 4ALK06920 BLACK RECONDITIONAL ENAMEL
ALL SYNONYMS : BLACK RECONDITIONING ENAMEL
BLACK RECONDITIONING PAINT
GOODWRENCH RECONDITIONING PAINT FLAT BLACK
RECONDITIONING PAINT UNIT
1050104
1050105
4ALK 6920
4ALK-6920
4ALK06920 BLACK RECONDITIONAL ENAMEL
4ALK6920 RECONDITIONING ENAMEL FLAT BLACK (FORMER)
48251 (OLD FID)
5587

MSDS SIGNED BY TITLE: RAW MATERIAL AND FORMULA INFORMATION DEPARTMENT.

SAFE USE CATEGORY AND DESCRIPTION: 02 -SOLVENTS - FLASH POINT: < 100 F

LAST UPDATED DATE: 1997-11-06

MANUFACTURER'S ID (MID): 000551256

MANUFACTURER'S NAME: AKZO COATINGS INC.

MANUFACTURER'S EMERGENCY PHONE NUMBER/TEXT: US 248-637-0400 DAYS: 8:00
A.M.-4.45 P.M.

US 248-637-5210 AFTER HOURS

MANUFACTURER'S MAILING ADDRESS:

1845 MAXWELL
TROY MI 48084
US

SECTION 1 - OTHER INFORMATION: PRODUCT CLASS: MODIFIED ALKYD COATING

SECTION 02: COMPOSITION & INGREDIENT INFO

CAS#	FORMULATION	W/V	CHEMICAL NAME
000096297	< 0.0000/ 0.5000%	W	2-BUTANONE, OXIME
000100414	= 4.1000/ 0.0000%	W	BENZENE, ETHYL-
000108883	= 25.6000/ 0.0000%	W	TOLUENE
001330207	= 16.3000/ 0.0000%	W	XYLENE
001332587	< 0.0000/ 5.0000%	W	CLAY (KAOLIN)
001333864	< 0.0000/ 0.5000%	W	CARBON BLACK
014807966	R 5.0000/ 10.0000%	W	TALC (powder), containing no asbes tos fibers
064742898	R 20.0000/ 25.0000%	W	Solvent naphtha, petroleum, light aliph.
989973951	R 15.0000/ 20.0000%	W	ALKYD RESIN

THRESHOLD LIMIT VALUE: TLV-TWA: 1333864: 3.5000 MG/M3 // 100414:
100.0000 PPM, 434.0000 MG/M3 // 1332587: 2.0000 MG/M3 // 64742898:

500.0000 PPM, 2000.0000 MG/M3 // 108883: 50.0000 PPM, 188.0000 MG/M3 // 14807966: 2.0000 MG/M3 // 1330207: 100.0000 PPM, 434.0000 MG/M3

PERMISSIBLE EXPOSURE LIMIT: PEL-TWA: 1333864: 3.5000 MG/M3 // 100414: 100.0000 PPM, 435.0000 MG/M3 // 1332587: 15.0000 MG/M3 // 64742898: 400.0000 PPM, 1600.0000 MG/M3 // 108883: 200.0000 PPM // 1330207:

100.0000 PPM, 435.0000 MG/M3

SECTION 03: HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE - SKIN ACUTE: THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT. ACUTE: PROLONGED SKIN CONTACT MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT DRY SKIN, CRACKING, IRRITATION AND DERMATITIS. SKIN CONTACT WITH LIQUID OR SPRAY MIST MAY CAUSE IRRITATION, REDNESS AND ITCHING. ACCUMULATIONS OF SANDING DUST OR DRY SPRAY ON SKIN MAY LEAD TO EXTRACTION OF NATURAL OILS WITH RESULTANT SKIN IRRITATION. MAY BE ABSORBED THROUGH THE SKIN, CAUSING POSSIBLE SYSTEMIC POISONING. SWALLOWING MAY CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA.

EFFECTS OF OVEREXPOSURE - EYE ACUTE: THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT. ACUTE: CORROSIVE TO THE EYES, MAY CAUSE EYE BURNS AND PERMANENT DAMAGE. EYE CONTACT CAUSES SEVERE IRRITATION AND IRRITATION, REDNESS, TEARING, BLURRED VISION AND A SENSATION OF SEEING HALOS AROUND LIGHTS. DRY DUST MAY CAUSE MECHANICAL EYE IRRITATION. VAPORS MAY CAUSE SEVERE EYE IRRITATION, REDNESS, TEARING AND BLURRED VISION.

EFFECTS OF OVEREXPOSURE - INHALATION: NOTICE: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL. REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

EFFECTS OF OVEREXPOSURE - INHALATION ACUTE: THE FOLLOWING HAZARDS HAVE BEEN REPORTED TO BE ASSOCIATED WITH THE INDIVIDUAL COMPONENTS OF THIS PRODUCT. THESE HAZARDS MAY NOT ALL BE ASSOCIATED WITH THE FINISHED PRODUCT. ACUTE: EXCESSIVE VAPOR INHALATION IN AIR, ESPECIALLY IN CONFINED SPACES, MAY CAUSE ASPHYXIATION. EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL, THROAT AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS. SANDING DUST OR SPRAY MAY CAUSE IRRITATION TO THE RESPIRATORY SYSTEM. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE EXPECTED

SECTION 04: FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES - SKIN: WASH WITH SOAP AND WATER.

EMERGENCY FIRST AID PROCEDURES - EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

EMERGENCY FIRST AID PROCEDURES - INHALATION: MOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION IF NECESSARY.

EMERGENCY FIRST AID PROCEDURES - INGESTION: DRINK ONE OR TWO GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMPTOMATICALLY.

SECTION 05: FIRE-FIGHTING MEASURES

FLAMMABLE UEL: = 1.00

EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICALS

SPECIAL 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 AND EXPLOSION HAZARDS: KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION OF HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVER EXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEALTH HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

NFPA CODES:

NFPA FLAMMABILITY CODE =	3
NFPA HEALTH CODE =	3
NFPA REACTIVITY CODE =	1

FLASH POINT TEMPS: < 70.00F

FLASH POINT METHOD: SCC

SECTION 5 - OTHER INFORMATION: NFPA RATINGS NOT DETERMINED OSHA CLASSIFICATION: FLAMMABLE LIQUID - CLASS IB

SECTION 06: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: REFER TO PROTECTIVE MEASURES LISTED IN OTHER SECTIONS OF THIS MSDS. REMOVE ALL SOURCES OF IGNITION. AVOID BREATHING VAPORS. VENTILATE AREA. REMOVE WITH INERT ABSORBENT.

SECTION 07: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE CONTAINERS OUT OF SUN AND AWAY FROM HEAT, SPARKS AND OPEN FLAMES. CLOSE CONTAINERS AFTER EACH USE. CONSULT NFPA CODE FOR ADDITIONAL STORAGE REQUIREMENTS.

SECTION 7 - OTHER INFORMATION: DO NOT TAKE INTERNALLY. USE APPROVED BONDING AND GROUNDING PROCEDURES. OBSERVE LABEL PRECAUTIONS. KEEP CLOSURES TIGHT AND CONTAINER UPRIGHT TO PREVENT LEAKAGE. NEVER USE PRESSURE TO EMPTY - DRUM IS NOT A PRESSURE VESSEL. AVOID BREATHING SANDING DUST. DO NOT WELD OR FLAME CUT AN EMPTY DRUM. DO NOT HANDLE UNTIL THE MANUFACTURER'S SAFETY PRECAUTIONS HAVE BEEN READ AND UNDERSTOOD.

SECTION 08: EXPOSURE CONTROLS - PROTECTION

EYE PROTECTION: USE SAFETY EYEWEAR DESIGNED TO PROTECT AGAINST SPLASH OF LIQUIDS.

RESPIRATORY PROTECTION: ADEQUATE VENTILATION IS REQUIRED. USE NIOSH/MSHA APPROVED RESPIRATOR DEVICE. SEE YOUR SAFETY EQUIPMENT SUPPLIER FOR EVALUATION AND RECOMMENDATION. IN CONFINED AREAS USE NIOSH/MSHA APPROVED AIRLINE RESPIRATOR OR HOOD.

VENTILATION: PROVIDE SUFFICIENT VENTILATION TO KEEP VAPOR CONCENTRATION BELOW THE GIVEN TLV AND LEL. FOR BAKING FINISHES, EXHAUST VAPORS EMITTED ON HEATING. REMOVE DECOMPOSITION PRODUCTS FORMED DURING WELDING OR FLAME CUTTING OR SURFACES COATED WITH THIS PRODUCT.

PERSONAL PROTECTIVE EQUIPMENT: EYE BATH AND SHOWER SHOULD BE AVAILABLE. USE CHEMICAL RESISTANT APRON, BOOTS OR OTHER CLOTHING IF NEEDED TO AVOID REPEATED OR FREQUENT SKIN CONTACT. LIQUID MAY PENETRATE SHOES AND LEATHER CAUSING DELAYED IRRITATION.

WORKPLACE/HYGIENIC PRACTICES: WASH HANDS BEFORE EATING, SMOKING OR USING WASHROOM.

PROTECTIVE GLOVES (SPECIFY TYPE): REQUIRED FOR PROLONGED OR REPEATED CONTACT REFER TO SAFETY EQUIPMENT SUPPLIER FOR EFFECTIVE GLOVE RECOMMENDATIONS.

SECTION 09: PHYSICAL & CHEMICAL PROPERTIES

THEORETICAL VOC WITHOUT WATER: 6.1 LB/GAL

BOILING POINT TEMPS: R 230.00F TO 284.00F

SPECIFIC GRAVITY VALUES: = 0.9300

DENSITY VALUES/UOM: = 7.7700LB/GAL

VAPOR DENSITY TEXT: HEAVIER THAN AIR

VAPOR PRESSURE TEXT: 100414 AND 96297: 10.0 // 64742898: 2.0 // 108883: 22.0 // 1330207: 9.5 // 1333864, 1332587, AND 14807966: NA

PERCENT VOLATILE BY VOLUME: = 78.8000

EVAPORATION RATE TEXT: SLOWER THAN ETHER

SECTION 10: STABILITY & REACTIVITY

STABILITY INDICATOR: Y
STABILITY - TEXT: STABLE

INCOMPATIBLE MATERIALS: NONE REASONABLY FORESEEABLE

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, SMOKE, OXIDES OF NITROGEN

HAZARDOUS POLYMERIZATION INDICATOR: N
HAZARDOUS POLYMERIZATION - CONDITIONS TO AVOID: NOT APPLICABLE

SECTION 11: TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS: BASED ON LAB ANIMAL TEST METHYL ETHYL KETOXIME HAS BEEN SHOWN TO CAUSE LIVER CANCER IN RODENTS. RELEVANCE TO HUMANS IS QUESTIONABLE. CONTAINS CARBON BLACK WHICH HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS BY INHALATION AND IS LISTED AS A SUSPECT CARCINOGEN BY IARC (2B). CONTAINS ETHYLBENZENE WHICH HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS AT HIGH INHALATION EXPOSURES. TUMORS WERE NOT FOUND IN ANIMALS AT LOWER INHALATION EXPOSURES. RELEVANCE TO HUMANS IS QUESTIONABLE. HEALTH STUDIES HAVE SHOWN THAT MANY PETROLEUM HYDROCARBONS POSE POTENTIAL HUMAN HEALTH RISKS WHICH MAY VARY FROM PERSON TO PERSON. AS A PRECAUTION, EXPOSURE TO LIQUIDS AND VAPORS SHOULD BE MINIMIZED. PROLONGED OR CONTINUOUS INHALATION OF VAPORS MAY RESULT IN DELAYED LUNG DAMAGE. PROLONGED OR CONTINUOUS INHALATION OF VAPORS MAY CAUSE BLOOD CELL DAMAGE. REPEATED OR PROLONGED INHALATION OF VAPOR OR SPRAY MIST MAY CAUSE LIVER AND KIDNEY DAMAGE. REPEATED

INHALATION OF VAPOR OR SPRAY MIST MAY CAUSE CARDIAC DISORDERS. REPEATED INHALATION OF VAPOR OR SPRAY MIST MAY CAUSE RED BLOOD CELL AND LEUCOCYTE DISORDERS WHICH MAY RESULT IN AN ANEMIC CONDITION. PROLONGED AND CONTINUOUS EXPOSURE TO AN EXCESSIVE CONCENTRATION OF DUST OF ANY KIND MAY HAVE AN ADVERSE PULMONARY EFFECT ON SOME PEOPLE. // WARNING: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CARCINOGENICITY: 100414 AND 1333864: CAR

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: INCINERATE IN AN APPROVED FACILITY. DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL POLLUTION CONTROL REQUIREMENTS.

SECTION 15: REGULATORY INFORMATION

SECTION 15 - OTHER INFORMATION: SECTION 313 SUPPLIER NOTIFICATION: THIS PRODUCT, 4ALK06920, CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION (SARA) OF 1986 AND 40 CFR PART 372: 100414 4.1% BY WGT., 10883 25.6 % BY WGT., 1330207 16.3% BY WGT.

SAFE USE CATEGORY AND DESCRIPTION :

02 SOLVENTS - FLASH POINT: < 100 F

REGULATORY IMPACTS (REG) AND ADDITIONAL HEALTH HAZARD STATEMENTS (HHS) :

CAS#: 000096297 2-BUTANONE, OXIME

REG:

0012,0070,0083,0085,0087

CAS#: 000100414 BENZENE, ETHYL-

REG:

0001,0003,0009,0010,0011,0012,0017,0019,0020,0021,0023,0031
0032,0034,0037,0038,0039,0042,0047,0048,0056,0061,0063,0064
0065,0066,0068,0078,0083,0084,0088,0089,0091,0104,0105,0106
0109,0113,0123

CAS#: 000108883 TOLUENE

REG:

0003,0004,0006,0007,0008,0009,0010,0011,0012,0014,0015,0016
0017,0019,0020,0021,0023,0031,0032,0034,0036,0037,0038,0039
0042,0047,0048,0050,0056,0058,0059,0061,0063,0064,0065,0066
0068,0070,0078,0083,0084,0088,0089,0091,0104,0105,0106,0109
0123

HHS:

REFER TO THE APPROPRIATE SAFE USE INSTRUCTIONS FOR HEALTH HAZARD
INFORMATION.

CAS#: 001330207 XYLENE

REG:

0001,0003,0004,0006,0008,0009,0011,0012,0014,0015,0016,0017
0019,0020,0023,0031,0032,0034,0037,0038,0039,0042,0047,0048
0056,0058,0061,0063,0065,0066,0068,0070,0084,0088,0089,0091
0104,0109,0123

HHS:

REFER TO THE APPROPRIATE SAFE USE INSTRUCTION FOR HEALTH HAZARD
INFORMATION.

CAS#: 001332587 CLAY (KAOLIN)

REG:

0003,0012,0017,0039,0061

CAS#: 001333864 CARBON BLACK

REG:

0001,0003,0012,0019,0038,0039,0042,0056,0061,0065,0084,0113
0122

HHS:

IARC CLASSIFICATION OF 2B - POSSIBLY CARCINOGENIC TO HUMANS.

CAS#: 014807966 TALC (powder), containing no asbestos fibers

REG:

0003,0004,0012,0017,0032,0038,0039,0061,0063,0065

HHS:

REFER TO THE APPROPRIATE SAFE USE INSTRUCTION FOR HEALTH HAZARD
INFORMATION.

CAS#: 064742898 Solvent naphtha, petroleum, light aliph.

REG:

0012,0098

REG BY CATEGORY:

0122

REGULATORY KEY LIST:

0001	OSHA-PEL	0003	ACGIH-TLV	0004	GM-SPEC CHEM
0006	EPA HW261.33	0007	EPA HW-APP 8	0008	MCMR
0009	FWPC-SEC 311	0010	EPA PRIORPOL	0011	NY SUBS CONC
0012	TSCA INV	0014	MI AIR POLLU	0015	SUP TAX CHEM

0016 MI HW-ACT 64	0017 CA HAZ SUBST	0019 MA SUBST
0020 NJ ENV SUBST	0021 TOX ORGANICS	0023 MD CLASS II
0031 ALLGHNY CTY	0032 IL-RTK	0034 FLT CRIT IND
0036 PRO EP TOX	0037 MO SPECIES	0038 MO-RTK
0039 ONT 654-86	0042 WI TABLE 1	0047 SARA 313
0048 CERCLASEC103	0050 P-65 REP TOX	0056 CT 29-3
0058 EPA261.33(F)	0059 CA AIR TOX 1	0061 PA RTK
0063 PELS REVISED	0064 NPDES-TOXPOL	0065 NJ W&C RTK
0066 CAA HAZ POL	0068 MI 307-CARC	0070 MICH AIR
0078 GREAT LAKES	0083 TSCA 8(D))	0084 GM OEG
0085 TSCA-TEST	0087 TSCA 12(B)	0088 NAT. POLL. REL
0089 NY CHEM BULK	0091 LAND DISP. - II	0098 DSL - CANADA
0104 CERCLA-HAZWOPER	0105 GLPPP-SPECIFIC	0106 GLPPP-SPECIFIC
0109 APPENDIX IX	0113 IARC-GROUP 2B	0122 ACDM-REPORTING
0123 MDEQ PART 5		

GMBA/PLANT USING THIS FID:

GMBA: 000550678 SPO - DISTRIBUTABLE MATERIALS
CISCO: 17001;
STATUS :ACTIVE

GMBA: 000550957 CHEMICAL RISK MANAGEMENT
CISCO: 89150;
STATUS :ACTIVE

GMBA: 000550976 GM TECHNICAL CENTER, TOTAL SITE
CISCO: 96003;
STATUS :ACTIVE

GMBA: 000551424 SERVICE TECHNOLOGY HEADQUARTERS
CISCO: 18400;
STATUS :ACTIVE

GMBA: 000556298 GM TECHNICAL CENTER, TOTAL SITE
STATUS :ACTIVE

GMBA: 000556705 ENVIRONMENTAL SYSTEMS HELPDESK
CISCO: 99004;
STATUS :ACTIVE