

D AIRCRAFT PRODUCTS CO -- DAPCO 2200 PRIMERLESS FIREWALL SEALANT, PART B --
8030-01-471-0603

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

Product ID:DAPCO 2200 PRIMERLESS FIREWALL SEALANT, PART B

MSDS Date:08/20/1998

FSC:8030

NIIN:01-471-0603

Status Code:A

Kit Part:Y

MSDS Number: CKSCK

=== Responsible Party ===

Company Name:D AIRCRAFT PRODUCTS CO

Address:1191 HAWK CIR

City:ANAHEIM

State:CA

ZIP:92708

Countr

y:US

Info Phone Num:714-632-8444

Emergency Phone Num:714-632-8444

Resp. Party Other MSDS Num.:09766

Chemtrec Ind/Phone:(800)424-9300

CAGE:58093

=== Contractor Identification ===

Company Name:D AIRCRAFT PRODUCTS CO

Address:1191 HAWK CIR

Box:City:ANAHEIM

State:CA

ZIP:92708

Country:US

Phone:714-632-8444

CAGE:58093

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

Ingred Name:(.GAMMA.-AMINOPROPYL)TRIETHOXYSILANE

CAS:919-30-2

RTECS #:TX2100000

Minimum % Wt:30.

Maxumum % Wt:60.

ingred Name:ETHANOL
CAS:64-17-5
RTECS #:KQ6300000
< Wt:1.
OSHA PEL:1900 MG/M3;1000 PPM
ACGIH TLV:1880 MG/M3;1000 PPM

ingred Name:DIBUTYLTIN DILAURATE
CAS:77-58-7
RTECS #:WH7000000
< Wt:5.

ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7
RTECS #:XR2275000
< Wt:1.
OSHA PEL:15 MG/M3
ACGIH TLV:10 MG/M3

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

LD50 LC50 Mixture:ORAL (RAT) > 2,000 MG/KG.
Effects of Overexposure:THE TOXICOLOGICAL PROPERTIES OF THIS MATERIAL
HAVE N
OT BEEN FULLY INVESTIGATED. THE ACUTE ORAL (RAT) LD50 & ACUTE
DERMAL (RABBIT) LD50 ARE BOTH ESTIMATED TO BE >2,000 MG/KG. DIRECT
CONTACT WITH THIS M ATERIAL MAY CAUSE SEVERE EYE & MODERATE SKIN
IRRITATION. INHALATION OVEREXPOSURE MAY CAUSE IRRITATIONOF THE
RESPIRATORY TRACT & EYES. REFER TO THE TOXICOLOGY SECTION FOR
TOXICOLOGY INFORMATION ON THE OSHA REGULATED COMPONENTS OF THIS
PRODUCT.

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

First Aid:
MATERIAL IS NOT EXPECTED TO BE HARMFUL BY INGESTION. NO
SPECIFIED FIRST AID MEASURES ARE REQUIRED. IN CASE OF SKIN CONTACT,
WASH AFFECTED AREAS OF SKIN WITH SOAP AND WATER. DO NOT REUSE
CONTAMINATED C LOTHING WITHOUT LAUNDERING. IN CASE OF EYE CONTACT,
IMMEDIATELY IRRIGATE WITH PLENTY OF WATER FOR 15 MINUTES. OBTAIN
MEDICAL ATTENTION WITHOUT DELAY. IF VAPOR OR DUST OF THIS MATERIAL
IS INHALED, REMO VE FROM EXPOSURE. ADMINISTER OXYGEN IF THERE IS
DIFFICULTY IN BREATHIN

G. OBTAIN MEDICAL ATTENTION IF NECESSARY.

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

Flash Point Method:SCC

Flash Point:=60.C, 140.F

Extinguishing Media:USE WATER SPRAY, ALCOHOL FOAM, CARBON DIOXIDE OR DRY CHEMICAL TO EXTINGUISH FIRES. WATER STREAM MAY BE INEFFECTIVE. USE WATER TO KEEP CONTAINERS COOL.

Fire Fighting Procedures:WEAR SELF-CONTAINED POSITIVE PRESSURE BREATHING APPARATUS AND FULL FIREFIGHTING PROTECTIVE CLOTHING. SEE CONTROL MEASURES FOR SPECIAL PROTECTIVE CLOTHING.

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

Spill Release Procedures:REMOVE IGNITION SOURCE. WHERE EXPOSURE LEVEL IS NOT KNOWN, WEAR NIOSH APPROVED, POSITIVE PRESSURE, SELF-CONTAINED RESPIRATOR. IF EXPOSURE LEVEL IS KNOWN, WEAR NIOSH APPROVED RESPIRATOR SUITABLE FOR LEVEL OF EXPOSURE. IN ADDITION TO PROTECTIVE CLOTHING/EQUIPMENT IN CONTROL MEASURES, WEAR IMPERVIOUS BOOTS. COVER SPILLS WITH INERT ABSORBENT MATERIAL; SWEEP UP & PLACE IN A WASTE DISPOSAL CONTAINER.

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

Handling and Storage Precautions:DO NOT GET IN EYES, ON SKIN, ON CLOTHING. AVOID BREATHING VAPOR. KEEP AWAY FROM HEAT AND FLAME. KEEP CONTAINER CLOSED. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

Other Precautions:AREAS CONTAINING THIS MATERIAL SHOULD HAVE FIRE-SAFE PRACTICES AND ELECTRICAL EQUIPMENT IN ACCORDANCE WITH ELECTRICAL AND FIRE PROTECTION CODES (NFPA-30) GOVERNING CLASS III A COMBUSTIBLE LIQUIDS AND OSHA INSTRUCTION STD 1-5.14A AND STATE AND LOCAL REQUIREMENTS.

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

Respiratory Protection:WHERE EXPOSURES ARE BELOW THE PEL, NO RESPIRATORY PROTECTION IS REQUIRED. WHERE EXPOSURES EXCEED THE PEL, USE RESPIRATOR APPROVED BY NIOSH OR FULL PROTECTIVE SUIT WITH AIR SUPPLY APPROPRIATE FOR THE MATERIAL AND LEVEL OF EXPOSURE. SEE "GUIDE TO INDU

STRIAL RESPIRATORY PROTECTION" (NIOSH).

Ventilation:UTILIZE A CLOSED SYSTEM PROCESS. WHERE THIS MATERIAL IS NOT USED IN A CLOSED SYSTEM, GOOD ENCLOSURE & LOCAL EXHAUST VENTILATION SHOULD BE PROVIDED.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:CHEMICAL SPLASH PROOF GOGGLES OR FACE SHIELD.

Other Protective Equipment:PROVIDE EYEWASH FOUNTAIN AND SAFETY SHOWER IN CLOSE PROXIMITY TO POINTS OF POTENTIAL EXPOSURE. WEAR SKIN PROTECTION, SUCH AS APRON, WORKPANTS, LONG SLEEVE WORKSHIRT OR DISPOSABLE COVERALLS.

Work Hygienic Practices:FOOD, BEVERAGES, AND TOBACCO PRODUCTS SHOULD NOT BE CARRIED, STORED OR CONSUMED WHERE THIS MATERIAL IS IN USE. BEFORE EATING, DRINKING OR SMOKING, WASH FACE AND HANDS WITH SOAP AND WATER.

Supplemental Safety and Health

PREVENT EYE AND SKIN CONTACT. WEAR THE SPECIAL PROTECTIVE EQUIPMENT SPECIFIED FOR OPERATIONS WHERE EYE AND SKIN CONTACT CAN OCCUR. PREVENT CONTAMINATION OF SKIN OR CLOTHING WHEN REMOVING PROTECTIVE

EQ UIPMENT.

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

HCC:F4

Spec Gravity:0.928

VOC Pounds/Gallon:676

Solubility in Water:REACTS WITH WATER.

Appearance and Odor:LIQUID, WHITE, AMMONIA-LIKE ODOR.

Percent Volatiles by Volume:62.7

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

Stability Indicator/Materials to Avoid:YES

NO SPECIFIC INCOMPATIBILITY.

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,

OXIDES OF NITROGRN, SILICON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR. NONE KNOWN.

===== Toxicological Information =====

Toxicological Information:GAMMA-AMINOPROPYLTRIETHOXY SILANE HAS ACUTE ORAL (RAT) & DERMAL (RABBIT) LD50 VALUES OF 1780 MG/KG & 4000 MG/KG. RESPECTIVELY. DIRECT CONTACT WITH THIS MATERIAL CAUSED SEVERE EYE & SKIN IRRITATION WHE N TESTED IN RABBITS. INHALATION OF VAPORS CAN CAUSE IRRITATION OF THE EYES &

UPPER RESPIRATORY TRACT.

PROLONGED CONTACT WITH EYES & SKIN CAN CAUSE CHEMICAL BURNS & TISSUE DESTRUCTION. INGESTION OF GAM MA--AMINOPROPYLTRIETHOXY SILANE CAN CAUSE DAMAGE TO THE GASTROINTESTINAL TRACT, LIVER, & KIDNEYS. ABSORPTION OF THIS MATERIAL CAUSED KIDNEY DAMAGE IN LABORATORY ANIMALS.

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Ecological Information
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Ecological:NO AQUATIC LC50, BOD, OR COD DATA AVAILABLE. CCTANOL/H2O PARTITION COEF: NOT APPLICABLE.

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Disposal Considerations
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Waste Disposal Methods:CYTEC ENCOURAGES THE RECYCLE, RECOVERY & REUSE OF MATERIAL, WHERE PERMITTED, AS AN ALTERNATE TO DISPOSAL AS A WASTE. CYTEC RECOMMEND THAT ORGANIC MATERIAL CLASSIFIED AS RCRA HAZARDOUS WASTE BE DISPOSE D OF BY THERMAL TREATMENT/INCINERATION AT EPA APPROVED FACILITY. THE PERSON GENERATING THE WASTE IS RESPONSIBLE TO DETERMINE THE WASTE CLASSIFICATION.

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MSDS Transport Information
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Transport Information:**SHIPPING INFORMATION FOR THE KIT IS AS FOLLOWS-D.O.T. SHIPPING INFORMATION: FLAMMABLE LIQUID, N.O.S., 3, III, UN1993. IMO SHIPPING INFORMATION: FLAMMABLE LIQUID, N.O.S., 3, III, 1993. ICAO/ IATA: FLAMMABLE LIQUID, N.O.S., 3, 1993, III. TRANSPORT CANADA: FLAMMABLE LIQUID, N.O.S., 3, 1993, III.

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Regulatory Information
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SARA Title III Information:THIS PRODUCT DOES NOT CONTAIN ANY COMPONENTS

REGULATED UNDER THESES SECTIONS OF THE EPA: TPQ(LBS), RQ(LBS), S313, TSCA 12B. PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA: ACUTE(Y), CHRONIC(N), FIRE (Y), REACTIVE(N), PRESSURE(N).

Federal Regulatory Information:US TSCA: THIS PRODUCT IS MANUFACTURERD IN COMPLIANCE WITH ALL PROVISIONS OF THE TOXIC SUBSTANCE CONTROL ACT, 15 U.S.C. 2601 ET. SEQ.

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Other Information
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mpiling agencies):

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