

W. L. GORE & ASSOCIATES, INC. -- SKYFLEX AIRCRAFT SEALANT -- 8030-01-454-7418

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Product Identification
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Product ID:SKYFLEX AIRCRAFT SEALANT

MSDS Date:08/18/1997

FSC:8030

NIIN:01-454-7418

Status Code:A

MSDS Number: CLHVT

=== Responsible Party ===

Company Name:W. L. GORE & ASSOCIATES, INC.

Address:1901 BARKSDALE ROAD

City:NEWARK

State:DE

ZIP:19711

Country:US

Info Phone Num:302-368-3700/ 70

3-527-3887

Emergency Phone Num:800-424-9300

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:17217

=== Contractor Identification ===

Company Name:W. L. GORE & ASSOCIATES, INC.

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Box:City:NEWARK

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Composition/Information on Ingredients
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Ingred Name:POLYTETRAFLUOROETHYLENE

CAS:9002-84-0

Code:F

RTECS #:KX4025000

Minimum % Wt:90.

Maximum % Wt:99.

Ingred

Name:INORGANIC PIGMENTS

= Wt:1.

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

LD50 LC50 Mixture:NONE

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Health Hazards Acute and Chronic:NONE

Explanation of Carcinogenicity:NONE

Effects of Overexposure:OVERHEATING (OVER 260 C/500 F), BURNING,
GRINDING, MELTING, CUTTING, OR ANY OTHER PROCESS THAT CAUSES A
RELEASE OF DUST, FUME OR GAS MAY CAUSE IRRITATION OF THE EYES,
SKIN, RESPIRATORY TRACT OR "POLYMER FUME FEVER". POLYMER FUME

FEVER IS A TEMPORARY FLU-LIKE ILLNESS WITH FEVER, CHILLS, AND
SOMETIMES COUGH, OF APPROXIMATELY 24 HOURS DURATION. INHALATION OF
LOW CONCENTRATIONS OF HYDROGEN FLUORIDE, CARBONYL FLUORIDE AND
OTHER THERMAL DECOMPOSITION PRODUCTS MAY RESULT IN TEMPORARY LUNG
IRRITATION, DIFFICULTY BREATHING, OR SHORTNESS OF BREATH. SMOKERS
SHOULD AVOID CONTAMINATED TOBACCO PRODUCTS, AND SHOULD WASH THEIR
HANDS BEFORE SMOKING.

Medical Cond Aggravated by Exposure:INDIVIDUALS WITH PRE-EXISTING

DISEASES OF THE LUNGS MAY HAVE INCREASED SUSCEPTIBILITY TO DUST OR

THERMAL DECOMPOSITION PRODUCTS.

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

First Aid:INHALATION:IF INHALATION OF THERMAL DECOMPOSITION PRODUCTS OR
DUST PRODUCES RESPIRATORY DIFFICULTY, OR IRRITATION, MOVE EXPOSED
PERSON TO FRESH AIR AT ONCE. CONSULT A PHYSICIAN IF SYMPTOMS
PERSIST. SKIN CONTACT: IF MOLTEN MATERIAL GETS ON SKIN, COOL
RAPIDLY WITH COLD

WATER. DO NOT ATTEMPT TO REMOVE MATERIAL FROM

SKIN. OBTAIN MEDICAL TREATMENT FOR THERMAL BURNS. EYE CONTACT:
IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15
MINUTES, OCCASIONALLY LIFTING THE LOWER AND UPPER LIDS. GET MEDICAL
ATTENTION IF ANY DISCOMFORT CONTINUES. INGESTION: CONSULT A
PHYSICIAN.

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

Flash Point Method:CC

Flash Point:NONE

Autoignition Temp:Autoignition Temp Text:NONE

Lower Limits:

NONE

Upper Limits:NONE

Extinguishing Media:DRY CHEMICAL, CO2, WATER OR REGULAR FOAM. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:KEEP PERSONNEL REMOVED FROM AND UPWIND OF FIRE. FULL EMERGENCY EQUIPMENT WITH SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING SHOULD BE WORN. HYDROGEN FLUORIDE FUMES EMITTED DURING A FIRE CAN REACT WITH WATER TO FORM HYDROFLUORIC ACID. WEAR NEOPRENE GLOVES WHEN HANDLING REFUSE FROM FIRE.

Un

usual Fire/Explosion Hazard:HAZARDOUS GASES/VAPORS PRODUCED IN FIRE ARE HYDROGEN FLUORIDE (HF), CARBONYL FLUORIDE, CARBON MONOXIDE, CARBON DIOXIDE, AND LOW MOLECULAR WEIGHT FLUOROCARBONS.

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

Spill Release Procedures:SPILLED MATERIAL MAY PRESENT A SLIPPING HAZARD. COLLECT BY SWEEPING OR VACUUMING ANY LOOSE MATERIAL TO PREVENT ACCUMULATION OF PRODUCT.

Neutralizing Agent:NONE

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

Handling and Storage Precautions:AVOID BREATHING DUST OR DECOMPOSITION PRODUCTS. AVOID CONTAMINATION OF CIGARETTES OR TOBACCO WITH DUST FROM THIS MATERIAL. STORE IN A DRY AREA.

Other Precautions:NONE

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

Respiratory Protection:IS NOT NORMALLY REQUIRED UNDER ANTICIPATED CONDITIONS OF USE. IF RESPIRATORS ARE NECESSARY, USE ONLY NIOSH/MSHA APPROVED RESPIRATORS.

Ventilation:USE LOCAL EXHAUST VENTILATION WHEN HEATING OR MELTING MATERIAL. EXHAUST VENTILATION SHOULD BE PROVIDED IN ACCORDANCE WITH GUIDELINES.

Protective Gloves:NONE

Eye Protection:SAFETY GLASSES SHOULD BE WORN.

Other Protective Equipment:NONE REQUIRED UNLESS NECESSARY FOR PROTECTION FROM THERMAL BURNS OR DUST PARTICLES.

Work Hygienic Practices:NONE

Supplemental Safety and Health
NONE

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

Boiling Pt:B.P. Text:NONE

Melt/Freeze Pt:M.P/F.P Text

:NONE
Decomp Temp:Decomp Text:NONE
Spec Gravity:4-1.7 (VARIES WITH SIZE)
Solubility in Water:INSOLUBLE
Appearance and Odor:WHITE OR GRAY, RIBBED OR NON-RIBBED, MARSHMALLOWY TAPE.

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

Stability Indicator/Materials to Avoid:YES
MOLTEN ALKALI METALS, STRONG OXIDIZERS, STRONG ACIDS AND SOME REACTIVE INTERHALOGEN COMPOUNDS.

Stability Condition to Avoid:HEATING ABOVE 300 C (572 F.) ABNORMALLY LONG PROCESSING TIME OR HIGH TEMPERATURES CAN PRODUCE IRRITATING AND TOXIC FUMES.

Hazardous Decomposition Products:TRACE AMOUNTS OF HYDROGEN FLUORIDE AND CARBONYL FLUORIDE MAY BE EVOLVED AT ABOUT 400 C(750 F.), WITH LARGER AMOUNTS AT HIGHER TEMPERATURES, CARBON MONOXIDE AND CARBON DIOXIDE.

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

Toxicological Information:POLYTETRAFLUOROETHYLENE (PTFE): INHALATION LC50 (RAT)>4,900 MG/M AT VERY HIGH EXPOSURE LEVELS, ANIMALS WERE SUFFOCATED BY ACCUMULATED DUST IN THE LUNGS. REPEATED EXPOSURE LEVELS, ANIMALS WERE SUFFOCATED BY ACCUMULATED DUST IN THE LUNGS.

===== Ecological Information =====

Ecological:ENVIRONMENTAL STABILITY: CURRENTLY, THERE ARE NO ADVERSE ENVIRONMENTAL EFFECTS WHICH HAVE BEEN REPORTED FOR THIS PRODUCT. EFFECTS OF MATERIAL ON PLANTS OR ANIMALS: IF LARGER QUANTITIES OF THIS PRODUCT ARE RELEASED INTO THE ENVIRONMENT, ADVERSE EFFECTS ON PLANTS & ANIMAL LIFE MAY OCCUR. EFFECTS OF CHEMICAL ON AQUATIC LIFE: IF LARGE QUANTITIES ARE RELEASED INTO A BODY OF WATER, THIS PRODUCT MAY HAVE ADVERSE EFFECTS ON THE AQUATIC LIFE IN THE AFFECTED WATER.

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

Waste Disposal Methods:PREFERRED OPTIONS FOR DISPOSAL ARE 1) RECYCLING AND 2) LANDFILL. INCINERATE ONLY IF INCINERATOR IS CAPABLE OF SCRUBBING OUT HYDROGEN FLUORIDE AND OTHER ACIDIC COMBUSTION PRODUCTS. TREATMENT, STORAGE, TR

TRANSPORTATION AND DISPOSAL SHOULD BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE/PROVINCIAL, AND LOCAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: THIS MATERIAL IS NOT HAZARDOUS AS DEFINED BY 49 CFR 172.101 BY THE U.S. DEPARTMENT OF TRANSPORTATION. PROPER SHIPPING NAME, HAZARD CLASS NUMBER AND DESCRIPTION, UN IDENTIFICATION NUMBER, DOT LABEL (S) REQUIRED, PACKAGING GROUP: NOT APPLICABLE. NATIONAL MOTOR FREIGHT CLASSIFICATION: #70. MARINE POLLUTANT: NO COMPONENTS OF THIS PRODUCT IS LISTED AS A MARINE POLLUTANT BY THE D.O.T. (49 CFR 172.101 APPENDIX B). TRANSPORT CANADA TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: THIS MATERIAL IS NOT CONSIDERED AS DANGEROUS GOODS.

===== Regulatory Information =====

SARA Title III Information: U.S. SARA REPORTING REQUIREMENTS: THE COMPONENTS OF THIS PRODUCT ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 302, 304, AND 313 OF TITLE III OF SARA: CHELATING AGENT: YES, SARA 304, INORGANIC SODIUM COMPOUND: YES, SARA 304. U.S. CERCLA REPORTABLE QUANTITY (RQ): CHELATING AGENT=5000 LBS; INORGANIC SODIUM COMPOUNDS=5000 LBS. Federal Regulatory Information: U.S. TSCA INVENTORY STATUS: THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. OTHER U.S. FEDERAL REGULATIONS: NOT APPLICABLE. State Regulatory Information: ILLINOIS-TOXIC SUBSTANCE LIST CHELATING AGENT. NEW JERSEY-RI. NORTH DAKOTA-LIST OF HAZARDOUS CHEMICALS, REPORTABLE QUANTITIES: CHELATING AGENT. PENNSYLVANIA-HAZARDOUS SUBSTANCE LIST: CHELATING AGENT, INORGANIC SODIUM COMPOUNDS. CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65): NO COMPONENTS OF THIS PRODUCT IS ON THE CALIFORNIA PROPOSITION 65 LISTS.

===== Other Information =====

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