

ALLIED CORPORATION -- GENESOLV D SOLVENT (FREON 113) -- 6850-00-144-4955

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Product Identification
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Product ID:GENESOLV D SOLVENT (FREON 113)

MSDS Date:01/01/1987

FSC:6850

NIIN:00-144-4955

MSDS Number: BDBYN

=== Responsible Party ===

Company Name:ALLIED CORPORATION

Emergency Phone Num:201-455-4157

CAGE:OLYW2

=== Contractor Identification ===

Company Name:ALLIED CORPORATION, CHEMICAL SECTO
R

Box:1139R

City:MORRISTOWN

State:NJ

ZIP:07960

Country:US

Phone:201-455-2000

CAGE:OLYW2

Company Name:ALLIED-SIGNAL INC

Address:Box:2332R

City:MORRISTOWN

State:NJ

ZIP:07962-2332

Country:US

Phone:201-455-4414

CAGE:1L164

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Composition/Information on Ingredients
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Ingred Name:1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE (FREON 113) (SARA
III)

CAS:76-13-1

RTECS #:KJ4000000

Fraction by Wt: 100%

OSHA PEL:1000PPM/1250STEL

ACGIH TLV:1000PPM/1250STEL9192

Ozone Depleting Chemical:

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Hazards Identification
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Effects of Overexposure: ASPHYXIATION, DROW, IRRIT
THROAT, DERM, INCO, EXCITEMENT, ARRHY, MILD EYE & SKIN IRRIT.

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First Aid Measures
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First Aid: INHAL: RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR; IF BRTHNG
DIFF GIVE OXYGEN. EYE: IMMED FLUSH W/PLENTY OF WATER. SKIN: WASH
W/SOAP&WATER. RMV CONTAM CLTHG&SHOES. INGEST: INDUCE VOMIT. RPT
UNTIL VOMIT IS CLEAR. NOTHG BY MOUTH IF
UNCONSC. GET MEDICAL ATTN.

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Fire Fighting Measures
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Flash Point: NONE
Autoignition Temp: Autoignition Temp Text: 680C
Extinguishing Media: MATL IS NON-FLAMMABLE. USE AGENT SUITABLE FOR
SURROUND FIRE.
Fire Fighting Procedures: WEAR NIOSH APPROVED SCBA. USE WATER SPRAY TO
COOL CONTAINERS
Unusual Fire/Explosion Hazard: AVOID CONTACT W/ACTIVE METALS. HEAT
DECOMPOSITION PRODUCTS ARE HALOGENS, HALOGEN ACIDS & PHOSGENE.

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Accidental
Release Measures
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Spill Release Procedures: EVACUATE UNPROTECTED PERSONNEL. ELIMIN ANY
FLAMES. SHUT OFF LEAK. ABSORB LIQ SPILL W/INERT MATL. SHOVEL INTO
METAL DRUMS, CLOSE & DISPOSE. DIKE LG AMTS W ABSORBENT & PUMP INTO
DRUMS FOR RECLAMATION OR DISPOSAL.

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Handling and Storage
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Handling and Storage Precautions: STORE IN A CLEAN, COOL, DRY AND WELL
VENTILATED AREA OF LOW FIRE RISK. PROTECT CONTAINERS FM PHYSICAL
DAMAGE AND KEEP CLOSED WHEN NOT IN USE.
Other Precautions: TANKS CANNOT BE EFFECTIVELY FLUSHED OF VAPOR IF SUMP
CONTAINS LIQUID. "EMPTY" CONTAINER MAY CONTAIN PRODUCT
RESIDUES (VAPOR OR LIQUID). RMV CLOSURES CAREFULLY TO RELIEVE
POSSIBLE PRESSURE.

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Exposure Controls/Personal Protection
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Respiratory Protection: NIOSH/MSHA APPROVED SCBA FOR ENCLOSED AREAS.
Ventilation: LOCAL IF SPILL LIKELY MECHANICAL (GEN) REQD.
Protective Gloves: IMPERVIOUS
Eye Protection: CHE

M SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATIONS. SAFETY SHOWERS.

IMPERVIOUS APRON IF REQD.

Supplemental Safety and Health

MSDS DATED OCT 1985 ***POWDERED TITANIUM,CALCIUM,MAGNESIUM,ZINC & BERYLLIUM ARE INCOMPATIBLE & MAY REACT VIOLENTLY.

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

HCC:N1

Boiling Pt:B.P. Text:117F,47.6C

Vapor Pres:284

Vapor Density:6.45

Spec Gravity:1.57

Evaporation Rate & Reference:2 (ETHER=1)

Solubility in Water:NEGLIGIBLE

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Appearance and Odor:CLEAR, COLORLESS LIQUID, FAINT ETHEREAL ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

ALUMINUM POWDER,FINELY DIVIDED BARIUM,LITHIUM SHAVINGS ***

Stability Condition to Avoid:TEMPERATURES ABOVE 482F,250C CAUSE THERMAL/OXIDATIVE DECOMP.

Hazardous Decomposition Products:HALOGENS,HF,HCL, & CARBONYL HALIDES SUCH AS PHOSGENE

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

Waste Disposal Methods:DISPOSE I/AW ALL LOCAL,STATE AND FEDERAL REGULATIONS.

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