

GREAT NORTHERN RESEARCH INC -- FORMULA 714 VINYL ADHESIVE -- 8040-01-407-0492

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

Product ID:FORMULA 714 VINYL ADHESIVE
MSDS Date:01/01/1990
FSC:8040
NIIN:01-407-0492
MSDS Number: BXPFG
=== Responsible Party ===
Company Name:GREAT NORTHERN RESEARCH INC
Address:2901 S E 4TH ST
City:MINNEAPOLIS
State:MN
ZIP:55414-3203
Country:US
Info Phone Num:612-379-9248
Emergency Phone Num:612-379-9248
Preparer's Name:WALTER GORBUNOW
CAGE:1FZ63

=== Contractor Identification ===

Company Name:GREAT NORTHERN RESEARCH INC
Address:2901 SE 4TH ST
Box:City:MINNEAPOLIS
State:MN
ZIP:55414
Country:US
Phone:612-379-9248
CAGE:1FZ63

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

Ingred Name:RESIN BLENDS (NOT SPECIFIED)
Fraction by Wt: <23%

Ingred Name:FLEXIBILIZERS
Fraction by Wt: <23%

Ingred Name:TETRAHYDROFURAN
CAS:109-99-9
RTECS #:LU5950000
Fraction by Wt: 46%
Other REC Limits:200 PPM
OSHA PEL:200 PPM
ACGIH TLV:200 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:2-BUTANONE (METHYL ETHYL KETONE) (MEK)
CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 24%
Other REC Limits:590 MG/CUM
OSHA PEL:200 PPM
ACGIH TLV:200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CYCLOHEXANONE, KETOHEXAMETHYLENE
CAS:108-94-1
RTECS #:GW1050000
Fraction by Wt: 5%
Other REC Limits:100PPM (SKIN) STEL
OSHA PEL:200 PPM

ACGIH TLV:200 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:PROCESSING AIDS, VARIOUS
Fraction by Wt: <2%

Ingred Name:STABILIZER
Fraction by Wt: <2%

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Hazards Identification
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Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES/SKIN: IRRITATION. RESPIRATORY
TRACT IRRITATION.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:NAUSEA, DIZZINESS, HEADACHE, IRRITATION,
UNCONSCIOUSNESS, BURNS, DRYNESS, ERYTHEMA

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First Aid Measures
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First Aid:INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN IF NEEDED. EYES:
FLUSH W/COPIOUS AMOUNTS OF WATER. SKIN: WASH W/SOAP & WATER. USE
EMOLLIENT CREAMS. INGESTION: DON'T INDUCE VOMITING. OBTAIN MEDICAL
ATTENTION IN ALL CASES.

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Fire Fighting Measures
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Flash Point: 10F
Lower Limits:2.3
Upper Limits:11.8
Extinguishing Media:FOAM, CO2, DRY CHEMICAL
Fire Fighting Procedures:DON'T ENTER CONFINED SPACES W/OUT PROPER
PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SCBA. USE WATER
SPRAY TO COOL SURFACES & PROTECT PERSONNEL.
Unusual Fire/Explosion Hazard:PEROXIDES ARE EXPLOSIVE. AUTO IGNITION
TEMP: 869F

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Accidental Release Measures
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Spill Release Procedures:ELIMINATE IGNITION SOURCES. ISOLATE AREA &
CLEAN UP W/ABSORBANT MATERIAL. FLUSH W/WATER & COLLECT IN A WASTE
CONTAINER FOR DISPOSAL.

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Handling and Storage
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Handling and Storage Precautions:KEEP CONTAINER CLOSED & STORE IN A
COOL DRY PLACE. KEEP AWAY FROM HEAT, SPARKS & OPEN FLAMES. GROUND
ALL ELECTRICAL EQUIPMENT.

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Exposure Controls/Personal Protection
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Respiratory Protection:NIOSH APPROVED RESPIRATOR
Ventilation:FACE VELOCITY OF <60FPM IF USED IN CONFINED SPACES.
Protective Gloves:CHEMICALLY RESISTANT
Eye Protection:CHEMICAL SPLASH GOGGLES/FACE SHIELD
Other Protective Equipment:USUALLY NOT NEEDED.
Supplemental Safety and Health

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Physical/Chemical Properties
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Boiling Pt:B.P. Text:120F
Vapor Pres:114
Vapor Density:2.5

Spec Gravity:0.89
Evaporation Rate & Reference:(ETHER =1): 2.3
Solubility in Water:COMPLETE
Appearance and Odor:THICK CLEAR LIQUID W/ETHER LIKE ODOR

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

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HEAT, SPARKS, OPEN FLAMES
Hazardous Decomposition Products:CO

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

Waste Disposal Methods:RECOVER ANY FREE LIQUID W/SUITABLE ABSORBENT.
DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS.

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