

3M GENERAL OFFICES -- SCOTCH-GRIP 1357 HIGH PERFORMANCE CONTACT ADH

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MSDS Safety Information
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FSC: 8040
NIIN: 01-229-6804
MSDS Date: 12/21/1995
MSDS Num: CBQTS
Product ID: SCOTCH-GRIP 1357 HIGH PERFORMANCE CONTACT ADHESIVE
MFN: 01
Responsible Party
Cage: 1BY21
Name: 3M GENERAL OFFICES
Address: 3M CENTER
City: S
T PAUL MN 55144-1000
Info Phone Number: 612-733-1110
Emergency Phone Number: 612-733-1110
Published: Y

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Contractor Summary
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Cage: 76381
Name: MINNESOTA MINING AND MFG CO, DBA 3M
Address: 3M CENTER BLDG 224-5S-04
City: SAINT PAUL MN 55144-1000
Phone: 866-556 5712 / 612-733-1110
Cage: 1BY21
Name: MINNESOTA MINING AND MFG CO ENGINEERING DOCUMENT SYSTEMS DIV
Address: 3M CTR
City: SAINT PAU
L MN 55144-1000
Phone: 612-737-4114

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Item Description Information
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Item Manager: N35
Item Name: ADHESIVE
Unit of Issue: PT
UI Container Qty: 1

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Ingredients
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Cas: 64742-88-7
Name: SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC; (PETROLEUM DISTILLATE). FL
PT: -14F,-26C.
% Wt: 25

-35

OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 67-64-1
RTECS #: AL3150000
Name: ACETONE (SARA 313) (CERCLA). BP: 132F,56C.
% Wt: 10-20
OSHA PEL: 1000 PPM
ACGIH TLV: 750 PPM; 1000 STEL
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 9010-98-4
RTECS #: EI9460000
Name: 1,3-BUTADIENE, 2-CHLORO-, POLYMERS; (POLYCHLOROPRENE)
% Wt: 10-20
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 68611-24-5
Name: MA
GNESIUM RESINATE
% Wt: 10-20
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Cas: 78-93-3
RTECS #: EL6475000
Name: 2-BUTANONE; (METHYL ETHYL KETONE) (SARA 313) (CERCLA)
% Wt: 7-13
OSHA PEL: 200 PPM
ACGIH TLV: 200 PPM; 300 STEL
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

Cas: 110-54-3
RTECS #: MN9275000
Name: HEXANE; (N-HEXANE) (CERCLA)
% Wt: 7-13
OSHA PEL: 500 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 1 LB
DOT Rpt Qty: 1 LB

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA 313) (CERCLA)
% Wt: 3-7
OSHA PEL: 200 PPM
ACGIH TLV: 50 PPM, S
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Name: SUPDAT: ASSOC W/ONE OR MORE OF INDIVIDUAL INGS IN PROD & ARE REQD TO
BE INCLUDED ON MSDS BY OSHA, THEY ARE NOT

Name: ING 9:EXPECTED EFTS DURING FORESEEABLE USE OF PROD:INHAL:PERIPHERAL
NEUROPATHY:SIGNS/SYMPS CAN INCL TINGLING OF

Name: ING 10: EXTREMITIES, INCOORDINATION, NUMB, WEAK & TREMORS. INGEST:CNS
DEPRESS:SIGNS/SYMPS CAN INCL HDCH, DIZZ,

Name: ING 11:DROW, MUSC WEAK, INCOORDINATION, SLOWED RXN TIME, FATG, BLURRED
VISION, SLURRED SPEECH, GIDD, TREMORS &

Name: ING 12:CONVLS. ASPIR PNEUM:SIGNS/SYMPS CAN INCL COUGH, DFCLTY BRTHG,
WHEEZ, COUGH UP BLOOD & PNEUM WHICH CAN BE FATAL.

Name: SPILL PROC: COLLECT
USING NON-SPARKING TOOLS. PLACE IN US DOT-APPROVED
CONTAINER.

Name: OTHER PRECS:HEAT, SPKS & OPEN FLAME. DO NOT SMOKE/IGNITE MATCHES,
LIGHTERS, ETC. EXTING PILOT LIGHTS & TURN OFF

Name: ING 15:STOVES, OVENS & OTHER GAS & ELEC APPLIANCES (SPACE &
WATER HEATERS, FURNACES, ETC), ELEC MOTORS & OTHER

Name: ING 16:SOURCES OF IGNIT DURING ADHESIVE USE & UNTIL ALL VAPS ARE
GON
E; IE UNTIL ODOR OF VAPS AT FLOOR LEVEL HAS

Name: ING 17: DISAPPEARED. DO NOT USE ELEC LIGHT SWITCHES. DO NOT GENERATE
STATIC SPKS (SUCH AS BY WALKING ON CARPET,

Name: ING 18:ETC). USE SAME PRECS IN WORK AREA & ALL CONNECTED AREAS. BE
SURE ANY PEOPLE IN AREA FOLLOW PRECS. ATTACH

Name: ING 19:COPY OF PRECS TO ANY OTHER CNTNR TO WHICH PROD MAY BE TRANSFERRED.
AVOID PRLNGD BRTHG OF VAPS. AVOID EYE

Name: ING 20:& SKIN CNTCT. KEEP CNTNR CLSD WHEN NOT IN USE. IF WORK AREA
CNDTNS PVNT COMPLIANCE W/ANY OF ABOVE PRECS,

Name: ING 21: DO NOT USE PROD. KEEP OUT OF REACH OF CHILDREN.

Name: VENT: EMISSIONS BELOW RECOMD EXPOS LIMITS. IF EXHST VENT IS NOT ADEQ, USE
APPROP NIOSH APPRVD RESPIRATORY PROTECTION.

Name: PROT GLOVES: ALCOHOL, POLYTETRAFLUOROETHYLENE (TEFLON).
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Health Hazards Data

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LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Carcinogenicity Inds - NTP: NO

IARC: NO

OSHA: NO

Effects of Exposure: EYES: MOD IRRIT: SIGNS/SYMPS CAN INCL REDNESS, SWELL,
PAIN, TEARING & HAZY VISION. SKIN: MILD IRRIT (AFTER PRLNGD/RPTD CNTCT):
SIGNS/SYMPS CAN INCL REDNESS, SWELL & ITCH. MAY
BE ABSORBED THRU SKIN

& P RDCE EFTS SIMILAR TO THOSE CAUSED BY INHAL &/OR INGEST. INHAL:
CNS DEPRESS: SIGNS/SYMPS CAN INCL HDCH, (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT

Signs And Symptions Of Overexposure: HLTH HAZ: DIZZ, DROW, INCOORDINATION,
SLOWED RXN TIME, SLURRED SPEECH, GIDD & UNCON. IRRIT (UPPER RESP):
SIGNS/SYMPS CAN INCL SORENESS OF NOSE & THROAT, COUGH & SNEEZING.
INGEST MAY CAUSE IRRIT OF GI TISS: SIGNS/SYMPS CAN INCL PAIN, VOMIT,A
BDOM

TENDERNESS, NAUS, BLOOD IN VOMITUS & BLOOD IN FECES. CHRONIC: (SUPDAT)

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES: IMMED FLUSH EYES W/LARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN.
GET IMMED MED ATTN. SKIN: FLUSH SKIN W/LARGE AMOUNTS OF WATER. IF IRRITATION
PERSISTS, GET MED ATTN. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTF RESP. IF BREATHING IS DIFFICULT, GET IMMED MED ATTN. INGEST: CAL MD
IMMED. ONLY INDUCE VOMITING AT INST

RUCTION OF MD. NEVER GIVE ANYTHING BY
MOUTH TO AN UNCONSCIOUS PERSON.

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Handling and Disposal
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Spill Release Procedures: REFER TO OTHER SECTIONS OF MSDS FOR INFO REGARDING
PHYSICAL & HLTH HAZS, RESP PROT, VENT & PERSONAL PROT EQUIP. IN US,
CALL 612-733-1110 OR 612-733-6100 FOR 24-HR SPILL ASSISTANCE. VENT AREA.
EXTING A LL IGNIT SOURCES. COVER W/ABSORB MATL.

Neutralizing

Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: INCIN IN PERMITTED HAZ WASTE INCIN IN THE PRESENCE OF
COMBUST MATL. DISPOSE OF WASTE PROD IN FACILITY PERMITTED TO ACCEPT CHEM
WASTE. SINCE REGS VARY, CONSULT APPLIC FED, STATE & LOCAL REGS OR AUTHS B
EFORE DISP. US EPA HAZ WASTE NUMBER=D001 (IGNIT).

Handling And Storage Precautions: STORE AWAY FROM HEAT. KEEP CONTAINER CLOSED
WHEN NOT IN USE. DO NOT INGEST.

Other Precautions: VAPS MAY IGNITE EXPLO. MAY CAUSE FLASH FIRE.

PVNT BUILDUP OF

VAPS - OPEN ALL WINDOWS & DOORS. MAINTAIN VAP CONCS BELOW RECOM EXPOS
LIMS. USE ONLY W/CROSS-VENT. W/OUT ADEQ VENT, VAPS MAY SETTLE IN LOW- LYING
AREAS. KEEP AWAY FROM

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Fire and Explosion Hazard Information
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Flash Point Method: TCC

Flash Point Text: -14F,-26C

Lower Limits: 1.0%

Upper Limits: 12.8%

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire

Fighting Procedures: USE NIOSH APPRVD SCBA & FULL PROT EQUIP(FP N)
INCL HELMET, BUNKER COAT & PANTS, BANDS AROUND ARMS, WAIST & LEGS,
FACE MASK & PROT COVER FOR EXPOS AREAS OF HEAD.

Unusual Fire/Explosion Hazard: CLOSED CNTNRS EXPOSED TO HEAT FROM FIRE MAY
BUILD PRESSURE & EXPLODE. VAPORS MAY TRAVEL LONG DISTANCES ALONG THE
GROUND OR FLOOR TO IGNIT SOURCE & FLASH BACK.

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Control Measures
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Respiratory Protection: AVOID BRTHG OF VAPS, MISTS OR SPRAY. SELECT ONE OF FOLLOWING NIOSH APPRVD RESPS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS & I/A/W OSHA REGULATIONS: HALF-MASK ORGANIC VAP RESP, HALF-MASK ORGANIC VAP RESP WITH DUST/MIST PREFILTER.

Ventilation: USE W/FUNCTIONING SPRAY BOOTH OR LOC EXHST. USE IN WELL-VENTILATED AREA. PROVIDE SUFFICIENT VENT TO MAINTAIN

Protective Gloves: POLYETHYLENE/ETHYLENE VINYL

Eye Protection: ANSI AP

PRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: ANSI APPROVED EYE WASH & DELUGE SHOWER (FP N).

Work Hygienic Practices: AVOID EYE CONTACT WITH VAPOR, SPRAY OR MIST. AVOID SKIN CONTACT.

Supplemental Safety and Health: EFTS OF OVEREXP: TOLUENE APPEARS ON THE NAVY LIST OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS INFO (FP N). OTHER: ME THYL ETHYL KETONE HAS BEEN SHOWN TO POTENTIATE THE

NEUROTOX EFTS OF N-HEXANE. WHILE THE FOLLOWING EFTS ARE

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Physical/Chemical Properties
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HCC: F1

B.P. Text: SEE ING 2

Vapor Pres: 180 @ 68F

Vapor Density: 3.0

Spec Gravity: 0.82

VOC Grams/Liter: 620

Evaporation Rate & Reference: 2+

Solubility in Water: VERY SLIGHT

Appearance and Odor: LOW VISCOSITY LIQUID, GREY/GREEN; STRONG PETROLEUM ODOR.

Percent Volatiles by Volume: 75(WT)
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Reactivity Data
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Stability Indicator: YES

Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE, HYDROGEN CHLORIDE, ALDEHYDES, KETONES, HYDROCARBONS.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: NOT RELEVANT
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Toxicological Information

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Ecological Information

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MSDS Transport Information

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Regulatory Information

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Other Information

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Transportation Information

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Responsible Party Cage: 1BY21

Trans ID NO: 116665

Product ID: SCOTCH-GRIP 1357 HIGH PERFORMANCE CONTACT ADHESIVE

MSDS Prepared Date: 12/21/1995

Review Date: 01/07/1997

MFN: 1

Multiple KIT Number: 0

Review IND:

Y

Unit Of Issue: PT

Container QTY: 1

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Detail DOT Information

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DOT PSN Code: GJF

Symbols: G

DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.

Hazard Class: 3

UN ID Num: UN1993

DOT Packaging Group: I

Label: FLAMMABLE LIQUID

Special Provision: T42

Non Bulk Pack: 201

Bulk Pack: 243

Max Qty Pass: 1 L

Max Qty Cargo: 30 L

Vessel Stow Req: E

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Detail IMO Information

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IMO PSN Code: HIM
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o
IMDG Page Number: 3126
UN Number: 1993
UN Hazard Class: 3.1
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: T
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Detail IATA Information

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IATA PSN BQ
IATA UN ID Num: 1993
IATA Proper Shippin
g Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: I
Packing Note Passenger: 302
Max Quant Pass: 1L
Max Quant Cargo: 30L
Packaging Note Cargo: 303
Exceptions: A3
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Detail AFI Information

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AFI PSN BQ
AFI Symbols: *
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Hazard Class: 3
AFI UN ID NUM: UN1993
AFI Packing Group: I
Special Provi
sions: P3
Back Pack Reference: A7.3
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HAZCOM Label

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Product ID: SCOTCH-GRIP 1357 HIGH PERFORMANCE CONTACT ADHESIVE
Cage: 1BY21
Company Name: MINNESOTA MINING AND MFG CO ENGINEERING DOCUMENT SYSTEMS DIV
Street: 3M CTR
City: SAINT PAUL MN
Zipcode: 55144-1000
Health Emergency Phone: 612-733-1110
Label Required IND: Y
Date Of Label Review: 07/31/1996
Status Code: C
Label Date: 07/31/1996
Ori

gination Code: G
Chronic Hazard IND: Y
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Moderate
Contact Hazard: Moderate
Fire Hazard: Severe
Reactivity Hazard: None
Hazard And Precautions: FLAMMABLE. ACUTE: EYES: IRRITATION W/REDNESS, SWELLING,
PAIN, TEARING & HAZY VISION. SKIN: MILD IRRITATION W/REDNESS, SWELLING
& ITCHING. MAY BE ABSORBED THRU SKIN W/EFFECTS SIMILAR TO INHALATION
&/OR INGESTION EFFECTS. INHA
LATION: CNS DEPRESSION W/HEADACHE,
DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH,
GIDDINESS & UNCONSCIOUSNESS. UPPER RESPIRATORY IRRITATION W/SOR E NOSE
& THROAT, COUGH & SNEEZING. INGESTION: IRRITATION OF GI TISSUES
W/PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS & IN
FECES. CHRONIC: TOLUENE APPEARS ON THE NAVY OCCUPATIONAL CH EMICAL
REPRODUCTIVE HAZARDS LIST (FP N).

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