

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

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MSDS Safety Information
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FSC: 8040
NIIN: 01-204-8675
MSDS Date: 12/29/1992
MSDS Num: BWSWK
Product ID: SCOTCH-GRIP 1357 HIGH PERFORMANCE CONTACT ADHESIVE
MFN: 02
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: TU
Quantitative Expression: 00000000005OZ
UI Container Qty: 1

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Ingredients
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Cas: 64742-88-7
Name: SOLVENT NAPHTHA (PETROLEUM) MEDIUM ALIPHATIC; (PETROLEUM DIS

TILLATE)

% 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 #: E19460000

Name: CHLOROPRENE RUBBER; (POLYCHLOROPRENE)

% Wt: 10-20

OSHA PEL: N/K (FP N)

ACGIH TLV: N/K (FP N)

Cas: 68611-24-5

Name: M

AGNESIUM 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) (MEK) (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

RTECS #: 9999999VO
Name: VOLATILE ORGANIC COMPOUND & VOC LESS H*2O & EXEMPT SOLVENT: 620
G/L SAQMD RULE 443.1, CALCULATED
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)

Name: SUPDAT:INCL COUGH, DFCLTY BRTHG, WHEEZ, COUGH UP BLOOD & PNEUM WHICH
CAN BE F
ATAL. TOLUENE APPEARS ON NAVY LIST

Name: ING 9:OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP HLTH
PROFESSIONALS CONCERNING LATEST HAZ LIST

Name: ING 10:INFO & SAFE HNDLG & EXPOS INFO(FPN). TOLUENE IS POTNTL
DEVELOPMENTAL HAZ CAUSING RETARDATION OF SKELETAL

Name: ING 11:DEVELOPMENT & REDUCTION OF FETAL WT BY INHAL ROUTE OF EXPOS IN
LAB STUDIES. METHYL ETHYL KETONE HAS BEEN

Name: ING 12: SHOWN TO POTENTIATE THE NEUROTOXIC EFFECTS OF N-HEXANE.

Name: SPILL PROC: COVER W/ABSORB MATL. PLACE IN U.S. DOT APPROVED CONTAINER
& SEAL.

Name: OTHER PREC:HEAT, SPK & 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, F

URNACES, ETC.), ELEC MOTORS & OTHER

Name: ING 16:SOURCES OF IGNIT, I.E. UNTIL ODOR OF VAPS @ FLOOR LEVEL
DISAPPEARS. DO NOT USE ELEC LIGHT SWITCHES. DO

Name: ING 17:NOT GENERATE STATIC SPKS (SUCH AS BY WALK ON CARPET, ETC.). USE
SAME PRECS IN WORK AREA & ALL CONNECTED

Name: ING 18:AREAS. BE SURE PEOPLE IN AREA FOLLOW PRECS. ATTACH COPY OF PRECS
TO ANY OTHER CNTNR TO WHICH PROD TRANSFERRED.

Name: VENT: BELOW RECOM EXPOS LIMS. IF EXHST VENT IS NOT ADEQ USE APPROP RESP
PROT.

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 CAN INCL REDNESS, SWELL, PAIN, TEARING
& HAZY VISION. SKIN: MILD IRRIT (AFTER PRLNG/RPTD CNTCT) CAN INCL
REDNESS, SWELL & ITCH. MAY BE ABSORBED THRU SKIN. INHAL: CNS DEPRESS CAN
INCL H DCH, DIZZ, DROW, INCOORDINATION, SLOWEDRXN TIME, SLURRED SPEECH, GIDD
& UNCON. IRRIT (UPPER RESP) CAN (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT

Signs And Symptoms Of Overexposure: HLTH HAZ: INCL SORENESS OF NOSE &
THROAT, COUG

H & SNEEZING. INGEST: MAY CAUSE IRRIT OF GI TISS W/PAIN,
VOMIT, ABDOM TENDERNESS, NAUS, BLOOD IN VOMITUS & IN FECES. WHILE
FOLLOWING EFTS ARE ASSOC W/ONE OR MORE OF INDIVIDUAL INGREDIENTS IN PROD
& ARE REQD TO BE INCL IN MSDS BY OSHA, THEY ARE NOT EXPECTED EFTS DURING
(SUPDAT)

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: EYES: IMMED FLUSH W/LARGE AMOUNTS OF WATER. GET IMMED MED ATTN.

SKIN: FLUSH W/LARGE AMOUNTS OF WATER. IF IRRIT PERSISTS, GET

MED ATTN. INHAL:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RES PIRATION. IF BREATHING IS DIFFICULT, GET IMMED MED ATTN. INGEST: CALL MD IMMED. ONLY INDUCE VOMITING AT INSTRUCTION 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. CALL 612-733-1110 OR 612-733-6100 FOR 24-HR SPILL ASSISTANCE. VENT AREA. EXTING ALL IGNI T SOURCES. COLLECT USING NON-SPK TOOLS.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: INCIN IN PERMITTED HAZ WASTE INCIN IN PRESENCE OF COMBUST MATL. DISPOSE OF WASTE PROD IN A FACILITY PERMITTED TO ACCEPT CHEM WASTE. SINCE REGS VARY, CONSULT APPLIC FED, STATE & LOCAL REGS OR AUTHS BEF ORE DISP. EPA HAZ WASTE NUMBER = D0

01 (IGNITABLE).

Handling And Storage Precautions: STORE AWAY FROM HEAT. KEEP CNTNR CLSD WHEN NOT IN USE. IF WORK AREA CNDTNS PVNT COMPLIANCE W/ANY PRECS DO NOT USE PROD. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: VAPS MAY IGNITE EXPLOS. MAY CAUSE FLASH FIRE. PVNT BUILD-UP 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/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N).

Unusual Fire/Explosion Hazard: CLSD CNTNRS EXPOSED TO HEAT FROM FIRE MAY BUILD PRESS & EXPLODE. VAPS MAY TRAVEL LONG DIST ALONG GROUND

OR FLOOR TO IGNIT SOURCE & FLASH BACK.

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Control Measures
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Respiratory Protection: AVOID INAHL OF VAPS, MISTS/SPRAY. SELECT ONE OF FOLLOWING NIOSH/MSHA APPRVD RESPS BASED ON AIRBORNE CONC OF CONTAMINANTS & I/A/W OSHA REGS:HALF-MASK ORG VAP RESP, HALF-MASK ORG VAP RESP W/DUST/MIST PR EFILTER.

Ventilation: USE W/FUNCTIONING SPRAY BOOT/LOC EXHST. USE IN WELL-VENT AREA. PRO

VIDE SUFFICIENT VENT TO MAINTAIN EMISSIONS

Protective Gloves: POLYETHYLENE/ETHYLENE VINYL

Eye Protection: ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

Other Protective Equipment: EYE WASH FOUNTAIN & DELUGE SHOWER MEETING ANSI DESIGN CRITERIA (FP N).

Work Hygienic Practices: AVOID PROLONGED PREATHING OF VAPORS. AVOID EYE AND SKIN CONTACT.

Supplemental Safety and Health: EFTS OF OVEREXP: FORSEEABLE USE OF PROD.

INHAL:PERIPHERAL NEUROPATHY CAN INCL TINGLING OF EXTREMITIES, INCOORDINATION, NUM

B, WEAK & TREMORS. INGEST: CNS DEPRESS CAN INCL HDCH, DIZZ, DROW, MUSC WEAK, I NCOORDINATION, SLOWED RXN TIME, FATG, BLURRED VISION, SLURRED SPEECH, GIDD, TREMORS & CONVLS. ASPIR PNEUM CAN

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Physical/Chemical Properties
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B.P. Text: SEE ING 2

Vapor Pres: 180 @ 68F

Vapor Density: 3

Spec Gravity: 0.82

Evaporation Rate & Reference: 2+

Solubility in Water: VERY SLIGHT

Appeara

nce 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.

Hazardou

s 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: 114948
Product ID: SCOTCH-GRIP 1357 HIGH PERFORMANCE CO
NTACT ADHESIVE
MSDS Prepared Date: 12/29/1992
Review Date: 12/18/1995
MFN: 2
Multiple KIT Number: 0
Review IND: Y
Unit Of Issue: TU
Container QTY: 1
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Detail DOT Information
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DOT PSN Code: AFR
DOT Proper Shipping Name: ADHESIVES,
DOT PSN Modifier: CONTAINING A FLAMMABLE LIQUID
Hazard Class: 3
UN ID Num: UN1133
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: B52,T,T30
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Packaging Exception: 150
Non Bulk Pack: 173
Bulk Pack: 242
Max Qty Pass: 5 L
Max Qty Cargo: 60 L
Vessel Stow Req: B
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Detail IMO Information
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IMO PSN Code: AIH
IMO Proper Shipping Name: ADHESIVES,
IMO PSN Modifier: CONTAINING A FLAMMABLE LIQUID o
IMDG Page Number: 3174
UN Number: 1133
UN Hazard Class: 3.2
IMO Packaging Group: I/II*
Subsidiary Risk Label: -
EMS Number: 3-05
MED First Aid G

uide NUM: 330

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Detail IATA Information
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IATA PSN Code: AKY
IATA UN ID Num: 1133
IATA Proper Shipping Name: ADHESIVES
IATA PSN Modifier: ,CONTAINING FLAMMABLE LIQUID
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Quant Cargo: 60L
Packaging Note Cargo: 307
Exceptions: A7

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Detail AFI Information
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AFI PSN Code: AKY
AFI Proper Shipping Name: ADHESIVES
AFI PSN Modifier: ,CONTAINING FLAMMABLE LIQUID
AFI Hazard Class: 3
AFI UN ID NUM: UN1133
AFI Packing Group: II
Special Provisions: P5
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: 1BY
21
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: 02/13/1995
Status Code: C
Label Date: 02/13/1995
Origination 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
H

azard And Precautions: ACUTE: EYES: MOD IRRITATION CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING & HAZY VISION. SKIN: MILD IRRITATION (AFTER PRLNG/RPTD CNTCT) CAN INCLUDE REDNESS, SWELLING & ITCH. MAY BE ABSORBED THRU SKIN. INHAL: CNS DEPRESSION CAN INCLUDE HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDD & UNCON. IRRITATION (UPPER RESP) CAN INCLUDE SORENESS OF NOSE & THROAT, COUGHING & SNEEZING. INGEST: MAY CAUSE GASTRO INTESTINAL TISSUE IRRITATION WITH PAIN, VOMITING, NAUSEA. ASPIRATION HAZARD. CENTRAL NERVOUS SYSTEM DEPRESSION. CHRONIC: TOLUENE APPEARS ON THE NAVY OCCUPATI ONAL CHEMICAL REPRODUCTIVE HAZARDS LIST (FP N).

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