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Product Identification  
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Product ID:SCOTCH-GRIP 4693 PLASTIC ADHESIVE

MSDS Date:04/12/1990

FSC:8040

NIIN:00-079-7158

MSDS Number: BLZDD

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

CAGE:76381

=== Con

tractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

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Composition/Information on Ingredients  
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Ingred Name:CYCLOHEXANE (SARA III)

CAS:110-82-7

RTECS #:GU6300000

Fraction by Wt: 50 - 60%

Other REC Limits:NONE SPECIFIED

OSHA PEL:300 PPM

ACGIH TLV:300 PPM, 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name

:METHYLENE CHLORIDE (SARA III)  
CAS:75-09-2  
RTECS #:PA8050000  
Fraction by Wt: 10 - 20%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:500 PPM/C,1000; Z2  
ACGIH TLV:50 PPM, A2; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:STYRENE-BUTADIENE POLYMER  
CAS:9003-55-8  
RTECS #:WL6478000  
Fraction by Wt: 1 - 10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYTERPENE RESIN  
Fraction by Wt: 1 - 10%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:NOT ESTABLISHED.  
ACGIH TLV:NOT ESTABLISHED.

Ingred Name:DIPEN  
TENE/DIPENTENE POLYMER (CAS 9003-73-0)  
CAS:138-86-3  
RTECS #:OS8100000  
Fraction by Wt: 1 - 10%  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE-EYE:MAY CAUSE  
IRRITATION.SKIN:PROLONGED/REPEATED CONTACT MAY CAUSE  
IRRITATION,DRYNESS,DEFATTING,INFECTION & DERMATITIS.INHALE:MAY  
CAUSE DROWSIN  
ESS,DIZZINESS,HEADACHE,LUNG,LIVER & HEART DAMAGE,CO MA  
& DEATH.INGEST:MAY CAUSE NAUSEA,VOMITING,GI IRRITATION.ASPIRATION  
CAN BE FATAL.CHRONIC-CAN CAUSE DERMATITIS.  
Explanation of Carcinogenicity:METHYLENE CHLORIDE IS AN ANIMAL  
CARCINOGEN. HUMAN HANDLES IT DIFFERENTLY (HALOGENATED SOLVENTS  
INDUSTRY ALLIANCE/MSDS).  
Effects of Overexposure:MAY CAUSE EYE IRRITATION. PROLONGED/REPEATED  
SKIN CONTACT MAY CAUSE IRRITATION, DRYNESS, DEFATTING, INFECTION &  
DERMATITIS. INHALATION MA

Y CAUSE DROWSINESS, DIZZINESS, HEADACHE,  
LUNG, LIVER & HEART DAMAGE, COMA & DEATH. INGESTION MAY  
CAUSE NAUSEA, VOMITING, GI IRRITATION. ASPIRATION CAN BE FATAL.  
Medical Condition Aggravated by Exposure: PERSONS WITH CHRONIC RESPIRATORY OR  
SKIN DISEASES MAY BE AT AN INCREASED RISK FROM EXPOSURE.

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

First Aid: GET PROMPT MEDICAL ATTENTION IN ALL CASES. INHALED: REMOVE TO  
FRESH AIR. PROVIDE CPR IF NEEDED. EYES: IMMEDIATELY FLUSH  
WITH WATER  
FOR AT LEAST 10 MINUTES, HOLDING EYELIDS OPEN. SKIN: WASH WELL WITH  
SOAP & WATER. ORAL: DO NOT INDUCE VOMITING. CALL A PHYSICIAN/POISON  
CONTROL CENTER. IF CONSCIOUS, DRINK TWO GLASSES OF MILK/WATER.

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

Flash Point Method: TCC  
Flash Point: 0F, -18C  
Lower Limits: 1.0  
Upper Limits: 7.0  
Extinguishing Media: CARBON DIOXIDE, FOAM OR DRY CHEMICAL. WATER SPRAY  
MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL & FLUSH SPILLS  
AWAY.  
Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING AND  
NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.  
Unusual Fire/Explosion Hazard: EXTREMELY FLAMMABLE. OVERHEATED, CLOSED  
CONTAINERS ADJACENT TO FIRE COULD EXPLODE DUE TO INTERNAL PRESSURE  
BUILDUP.

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

Spill Release Procedures: WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF  
IGNITION. VENTILATE THE AREA. STOP LEAK IF POSSIBLE. CONTAIN THE  
SPILL. COVER WITH ABSORBENT MATERIALS AS NEEDED. COLLECT THE SPILLED  
MATERIAL USING NON-SPARKING TOOLS. PLACE IN DOT APPROVED METAL  
CONTAINERS.  
Neutralizing Agent: NOT APPLICABLE.

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

Handling and Storage Precautions: STORAGE-STORE IN COOL, WELL VENTILATED  
AREA AWAY FROM HEAT, SPARKS & OTHER SOURCES OF IGNITION.  
Other Precautions: AVOID BREATHING VAPOR/MIST. AVOID CONTACT

WITH EYES &  
SKIN.STORE IN TIGHTLY CLOSED CONTAINERS.FOR INDUSTRIAL USE  
ONLY.VAPORS CAN BE IGNITED EASILY.UTILIZE PERSONAL PROTECTIVE  
EQUIPMENT WHEN HANDLING TH E PRODUCT.KEEP OUT OF REACH OF CHILDREN.

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

Respiratory Protection:NIOSH APPROVED CHEMICAL CARTRIDGE  
RESPIRATOR/POWERED AIR-PURIFYING RESPIRATOR.FOR EMERGENCY USE  
SELF-CONTAINED BREATHING APPARATUS/SUPPLIED-AIR RESPIRATOR WITH  
FULL FACEPIECE OPERAT  
ED IN POSITIVE PRES SURE MODE.

Ventilation:USE EXPLOSION-PROOF VENTILATION EQUIPMENT. THE USE OF  
MECHANICAL DILUTION VENTILATION IF MATERIAL IS HEATED/AGITATED.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:CHEMICAL SAFETY GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING, APRON, AND BOOTS IF SPILLS OR  
SPLASHING CAN OCCUR.

Work Hygienic Practices:WASH THOROUGHLY WITH SOAP AND WATER AFTER  
HANDLING. DO NOT WEAR CONTAM  
INATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE FOCAL POINT N WITH P/N A  
UNDER THE SAME NSN.

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

HCC:F2

Boiling Pt:B.P. Text:104F,40C

Vapor Pres:349 @ 68F

Vapor Density:2.90

Spec Gravity:0.90

Viscosity:125 CPS

Evaporation Rate & Reference:2.20 (ETHER = 1)

Solubility in Water:INSOLUBLE

Appearance and Odor:LIGHT AMBER LIQUID, SOLVENT ODOR

Percent Volatiles by Volume

:76

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

Stability Indicator/Materials to Avoid:YES

WATER, ALCOHOL, AMINES

Stability Condition to Avoid:HEAT, SPARKS, FLAMES, HOT SURFACES, STATIC  
ELECTRICITY AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE & DIOXIDE,  
HYDROCHLORIC ACID WITH POSSIBLE TRACE AMOUNT OF PHOSGENE AND  
CHLORINE

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

Waste Disposal Methods:INCINERATE

IN A LICENSED HAZARDOUS WASTE FACILITY. DISPOSAL SHOULD BE IN ACCORDANCE WITH ALL LOCAL, STATE & FEDERAL REGULATIONS. EPA HAZARDOUS WASTE NUMBER F002 (SPENT HALOGENATED SOLVENT) & D001 (IGNITABLE). RUN-OFF TO SEWER MAY CREATE FIRE/EXPLOSION.

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