

3M, INDUSTRIAL TAPE AND SPECI -- SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE

=====
MSDS Safety Information
=====

FSC: 5330

NIIN: 01-417-4848

MSDS Date: 11/20/1992

MSDS Num: CJVCP

Product ID: SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE

MFN: 01

Responsible Party

Cage: 52152

Name: 3M, INDUSTRIAL TAPE AND SPECIALTIES DIVISION

Address

: 3M CENTER

City: ST PAUL MN 55144-1000

Info Phone Number: 612-733-1110

Emergency Phone Number: 612-733-1110

Resp. Party Other MSDS No.: 10-2436-3
=====

Item Description Information
=====

Item Manager: S9I

Item Name: PARTS KIT,SEAL REPLACEMENT,MECHANICAL EQUIPMENT

Unit of Issue: EA

UI Container Qty: Y
=====

Ingredients
=====

Cas: 9003-35-4

Name: PHENOL-FORMALDEHYDE POLYMER

% low Wt: 7.

% high Wt: 13.

Cas: 9003-18-3

Name: ACRYLONITRILE-BUTADIENE POLYMER

% low Wt: 10.

% high Wt: 20.

Cas: 8050-31-5

Name: GLYCEROL ESTERS OF ROSIN ACIDS

% low Wt: 7.

% high Wt: 13.

Cas: 69-72-7

RTECS #: VO0525000

Name: SALICYLIC ACID

% low Wt: 1.

% high Wt: 5.

Cas: 1314-13-2

RTECS #: ZH481

0000
Name: ZINC OXIDE (ZNO)
< Wt: 2.
OSHA PEL: 15 MG/M3

Cas: 68411-46-1
Name: ANTIOXIDANT
< Wt: 1.

Cas: 67-64-1
RTECS #: AL3150000
Name: ACETONE
% low Wt: 60.
% high Wt: 70.
OSHA PEL: 2400 MG/M3;1000 PPM
ACGIH TLV: 1780 MG/M3;750 PPM
ACGIH STEL: 2380 MG/M3;1000 PPM
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS

=====
Health Hazards Data
=====

=====
LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER

Route Of Entry Inds - Inhalation: YES

Skin: YES

Ingestion: YES

Effects of Exposure: EYE CONTACT MAY CAUSE MODERATE IRRITATION. SKIN CONTACT MAY CAUSE MILD IRRITATION. INHALATION MAY CAUSE CENTRAL NERVOUS SYSTEM DEPRESSION AND/OR UPPER RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TISSUES. ASPIRATION HAZARD LEADING TO PNEUMONITIS.

Signs And Symptions Of Overexposure: EYES-REDNESS, SWELLING, PAIN, TEARING, HAZY VISION. SKIN-REDNESS, SWELLING, ITCHING. INHALED-HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS, UNCONSCIOUSNESS, SORENESS OF THE NOSE & THROAT, COUGHING & SNEEZING . INGESTED-PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, BLOOD IN FECES.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER

First Aid: IMMEDIATELY FLUSH EYES WITH A LARGE AMOUNT OF WATER. GET IMMEDIATE MEDICAL AID

L ATTENTION. SKIN-FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. INHALATION-REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION. INGESTED-CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING AT THE INSTRUCTION OF A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

=====
Handling and Disposal
=====

=====
Spill Release Procedures: VENTILATE AREA. EXTINGUISH ALL IGNITION SOURCES. COLLECT USING NON-SPARKING TOOLS. COVER WITH ABSORBENT MATERIAL. PLACE IN A US DOT-APPROVED CONTAINER & SEAL. CALL 612-733-1110 OR 612-733-6100 FOR SPILL ASSISTANCE.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER

Waste Disposal Methods: INCINERATE IN A PERMITTED HAZARDOUS WASTE INCINERATOR IN THE PRESENCE OF A COMBUSTIBLE MATERIAL. DISPOSE OF WASTE PRODUCT IN A

FACILITY PERMITTED TO ACCEPT CHEMICAL WASTE. SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. US EPA HAZ. WASTE NUMBER: D001 (IGNITABLE).

Handling And Storage Precautions: KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION. GROUND CONTAINERS SECURELY WHEN TRANSFERRING CONTENTS. WEAR LOW STATIC OR PROPERLY GROUNDED SHOES. FLAMMABLE LIQUID AND VAPOR

OR
Other Precautions: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

=====
Fire and Explosion Hazard Information
=====

Flash Point Method: TCC

Flash Point: -17.8C, 0.F

Lower Limits: 2.6

Upper Limits: 12.8

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting Procedures: WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF-CONTAINED, POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING

APPARATUS, BUNKER COAT AND PANTS, BANDS AROUND ARM/WAIST/LEGS; FACE MASK AND PROTECTIVE COVERING FOR EXPOSED AREAS OF HEAD.

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

=====
Control Measures
=====

Respirato

ry Protection: AVOID PROLONGED BREATHING OF VAPORS. SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS: HALF-MASK ORGANIC VAPOR RESPIRATOR.

Ventilation: USE IN A WELL-VENTILATED AREA. PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EMISSIONS BELOW EXPOSURE LIMITS.

Protective Gloves: BUTYL RUBBER, POLYETHYLENE/ETHYLENE VINYL ALCOHOL, TEFLON.

Eye Protection: AVOID EYE CONTACT, WEAR SAFETY GLASSES/SIDE SHIELDS OR VENTED GOGGLES.

Other Protective Equipment: AVOID SKIN CONTACT. DLA-: ANSI APPROVED EMERGENCY EYEWASH & DELUGE SHOWER.

Work Hygienic Practices: DO NOT INGEST.

Supplemental Safety and Health: FOLLOWING EFFECTS ARE SEEN IN ONE OR MORE INGREDIENT BUT ARE NOT EXPECTED IN THE PRODUCT AS A WHOLE: CNS DEPRESSION, ASPIRATIONAL PNEUMONITIS.

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

HCC: F

2

Boiling Point: =55.6C, 132.F

B.P. Text: ACETONE

M.P/F.P Text: N/D

Vapor Pres: 180MMHG 68F

Vapor Density: 2.0

Spec Gravity: 0.91

PH: N/D

VOC Grams/Liter: 583

Viscosity: 2,750 CPS

Evaporation Rate & Reference: 1.9 NO REF

Solubility in Water: SLIGHT

Appearance and Odor: DARK BROWN LIQUID; SHARP SOLVENT ODOR

Percent Volatiles by Volume: 64

=====
Reactivity Data
=====

Stability Indicator: YES

St

ability Condition To Avoid: STABLE

Materials To Avoid: STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN, HYDROGEN CYANIDE, ALDEHYDES, KETONES, HYDROCARBONS, OXIDES OF ZINC.

Hazardous Polymerization Indicator: NO

Conditions To Avoid Polymerization: WILL NOT OCCUR.

=====
Toxicological Information
=====

=====
Ecological Information
=====

=====
MSDS Transport Information
=====

=====
Regulatory Information
=====

Sara Title III Information: SEC 311/312: THIS PRODUCT HAS FIRE, IMMEDIATE AND CHRONIC HEALTH HAZARDS. SEC 313: THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REQUIREMENTS OF SEC 313 OF EPCRA (40CFR 372): ACETONE AND ZINC OXIDE.

Federal Regulatory Information: THE INGREDIENTS OF THIS PRODUCT ARE ON THE TSCA INVENTORY.

State Regulatory Information: NO INFORMATION PROVIDED.
=====

Other Information
=====

Other Information: NONE
=====

Transportation Information
=====

Responsible Party Cage: 52152
Trans ID NO: 150377
Product ID: SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE
MSDS Prepared Date: 11/20/1992
Review Date: 11/30/1999
MFN: 1
Tech Entry NOS Shipping Nm: CONTAINS ACETONE (60-70%)
Net Unit Weight: EACH
Multiple KIT Number: 0
Unit Of Issue: EA
Container QTY: Y
=====

=====
Detail DOT Information
=====

=====
DOT PSN Code: GJJ
Symbols: G
DOT Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
Hazard Class: 3
UN ID Num: UN1993
DOT Packaging Group: II
Label: FLAMMABLE LIQUID
Special Provision: T8,T31
Non Bulk Pack: 202
Bulk Pack: 242
Max Qty Pass: 5L
Max Qty Cargo: 60 L
Vessel Stow Req: B
=====

=====
Detail IMO Information
=====

IMO PSN Code: HIN
IMO Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. o

IMDG Page Number: 3230
UN Number: 1993
UN Hazard Class: 3.2
IMO Packaging Group: I/II
Subsidiary Risk Label: -
EMS Number: 3-07
MED First Aid Guide NUM: T

=====
Detail IATA Information
=====

IATA PSN BV
IATA UN ID Num: 1993
IATA Proper Shipping Name: FLAMMABLE LIQUID, N.O.S. *
IATA UN Class: 3
IATA Label: FLAMMABLE LIQUID
UN Packing Group: II
Packing Note Passenger: 305
Max Quant Pass: 5L
Max Qu
ant Cargo: 60L
Packaging Note Cargo: 307

=====
Detail AFI Information
=====

AFI PSN BV
AFI Symbols: *
AFI Proper Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
AFI Hazard Class: 3
AFI UN ID NUM: UN1993
AFI Packing Group: II
Special Provisions: P5
Back Pack Reference: A7.3

=====
HAZCOM Label
=====

Produc
t ID: SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE
Cage: 52152
Company Name: MINNESOTA MINING & MFG CO INDUSTRIAL TAPE & SPECIALTIES
DIV
Street: 3M CENTER
City: ST PAUL MN
Zipcode: 55144-1000
Health Emergency Phone: 612-733-1110
Label Required IND: Y
Date Of Label Review: 11/30/1999
Status Code: A
Origination Code: F
Eye Protection IND: YES
Skin Protection IND: YES
Signal Word: DANGER
Respiratory Protection IND: YES
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: Severe
Reactiv

ity Hazard: None

Hazard And Precautions: FLAMMABLE LIQUID & VAPORS! EYE/SKIN CONTACT MAY CAUSE IRRITATION. INHALATION MAY CAUSE CNS DEPRESSION AND/OR UPPER RESPIRATORY TRACT IRRITATION. INGESTION MAY CAUSE IRRITATION OF THE GI TRACT. ASPIRATION HAZARD LEADING TO PNEUMONITIS. FIRST AID: FLUSH EYES WITH LARGE AMOUNT OF WATER. GET IMMEDIATE MEDICAL HELP. SKIN-FLUSH WITH WATER. IF IRRITATION PERSISTS, GET MEDICAL HELP. INHALATION-REMOVE PERSON TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL HELP. INGESTED-CALL A PHYSICIAN IMMEDIATELY. ONLY INDUCE VOMITING TO A CONSCIOUS PERSON AT THE INSTRUCTION OF A PHYSICIAN.

=====

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever expressly or implied warrants, states, or intends said information to have any application, use or viability by or to any person or persons outside the Department of Defense nor any person or persons contracting with any instrumentality of the United States of America and disclaims all liability for such use. Any person utilizing this instruction who is not a military or civilian employee of the United States of America should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation regardless of similarity to a corresponding Department of Defense or other government situation.