

3M GENERAL OFFICES -- SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE

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

FSC: 5330
NIIN: 01-417-4848
MSDS Date: 11/20/1992
MSDS Num: CKSRJ
Product ID: SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE
MFN: 01
Kit Part: Y
Responsible Party
Cage: 76381
Name: 3M GENERAL OFFICES
Address: 3M CENTER
City
: ST PAUL MN 55144-1000
Info Phone Number: 1-800-364-3577
Emergency Phone Number: 612-733-1110

=====
Item Description Information
=====

Item Manager: S9I
Item Name: PARTS KIT,SEAL REPLACEMENT,MECHANICAL EQUIPMENT
Unit of Issue: EA
UI Container Qty: Y

=====
Ingredients
=====

Cas: 67-64-1
RTECS #: A
L3150000
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

Cas: 9003-18-3
Name: ACRYLONITRILE-BUTADIENE POLYMER
% low Wt: 10.
% high Wt: 20.

Cas: 9003-35-4
Name: PHENOL-FORMALDEHYDE POLYMER
% low Wt: 7.
% high Wt: 13.

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 #: ZH4810000
Name: ZINC OXIDE
< Wt: 2.
OSHA PEL: 15 MG/M3

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

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

Effects of Exposure: EYE: MODERATE EYE IRRITATION.
SKIN: MILD SKIN IRRITATION
(AFTER PROLONGED OR REPEATED CONTACT). INHALATION: CENTRAL NERVOUS SYSTEM
DEPRESSION; UPPER RESPIRATORY IRRITATION. INGESTION: IRRITATION OF GASTROINTESTINAL
TISSUES, CENTRAL NERVOUS SYSTEM DEPRESSION; ASPIRATION PNEUMONITIS.

Signs And Symptoms Of Overexposure: EYE: REDNESS, SWELLING, PAIN, TEARING,
HAZY VISION. SKIN: REDNESS, SWELLING, ITCHING. INHALATION: HEADACHE,
DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEECH,
GIDDINESS

AND UNCONSCIOUSNESS, SORENESS OF THE NOSE AND THROAT, COUGHING,
SNEEZING. INGESTION: PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN
VOMITUS, AND BLOOD IN FECES. ALSO, DIZZINESS, HEADACHE, DROWSINESS, MUSCULAR
WEAKNESS, INCOORDINATION, SLOWED REACTION TIME, FATIGUE, BLURRED VISION,
SLURRED SPEECH, GIDDINESS, TREMORS AND CONVULSIONS. DIFFICULTY BREATHING,
WHEEZING, COUGHING UP BLOOD AND PNEUMONIA CAN BE FATAL.

First Aid: EYE: IMMEDIATELY FLUSH EYE WITH LARGE AMOUNTS OF WATER

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

=====
Hand

ling and Disposal

=====
Spill Release Procedures: REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL & HEALTH HAZARDS RESPIRATORY PROTECTION, VENTILATION AND PERSONAL PROTECTIVE EQUIPMENT. CALL (612)733-1110 OR (612)733-6100 FOR 24-HOUR SPILL ASSISTANCE. VENTILATE AREA. EXTINGUISH ALL IGNITION SOURCES. COLLECT USING NON-SPARKING TOOLS. COVER WITH ABSORBENT MATERIAL. PLACE IN US DOT-APPROVED CONTAINER AND SEAL.

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 HAZARDOUS WASTE NUMBER = D001 (IGNITABLE)

Handling And Storage Precautions: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.

Other Precautions: KEEP CONTAINER TIGHTLY CLOSED. FLAMMABLE LIQUID AND VAPOR.

KEEP AWAY FROM HEAT, SPARKS, OPEN FLAME, AND OTHER SOURCES OF IGNITION. GROUND CONTAINERS SECURELY WHEN TRANSFERRING CONTENTS. WEAR LOW STATIC OR PROPERLY GROUNDED SHOES.

===== Fire and Explosion Hazard Information

=====
Flash Point Method: TCC

Flash Point: =-17.6C, 0.F

Flash Point Text: ACETONE

Autoignition Temp Text: N/D

Lower Limits: N/D

Upper Limits: N/D

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, INCLUDING BUNKER COAT AND PANTS, BANDS AROUND ARMS, 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

RETURN TO AN IGNITION SOURCE AND FLASH BACK.

===== Control Measures

=====
Respiratory 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 WELL VENTILATED AREA. IF EXHAUST VENTILATION IS NOT ADEQUATE

, USE APPROPRIATE RESPIRATORY PROTECTION.
Protective Gloves: BUTYL RUBBER, POLYETHYLENE/ETHYLENE VINYL ALCOHOL,
POLYTETRAFLUOROETHYLENE
Eye Protection: VENTED GOGGLES, SAFETY GLASSES WITH SIDE SHIELDS
Work Hygienic Practices: KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF
REACH OF CHILDREN.

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

HCC: F2
Boiling Point: =55.6C, 132.F
B.P. Text: ACETONE
Va
por Pres: 180MMHG
Vapor Density: 2.0
Spec Gravity: 0.91
PH: N/D
VOC Grams/Liter: 583
Viscosity: 2,750 CPS
Evaporation Rate & Reference: 1.9
Solubility in Water: SLIGHT
Appearance and Odor: DARK BROWN LIQUID; SHARP SOLVENT ODOR
Percent Volatiles by Volume: 64 (WEIGHT)

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

Stability Indicator: YES
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
=====

=====
Other Information
=====

=====
Transportation Information
=====

Responsible Party Cage: 76381

Trans ID NO: 154539

Product ID: SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE

MSDS Prepared Date: 11/20/1992

Review Date: 08/28/2000

MFN: 1

Net Unit Weight: UNKNOWN

Multiple KIT Number: 0

Kit Part IND: Y

Unit Of Issue: EA

Container QTY: Y

Additional Data: PSN FOR DOT/IATA/AFI BASED ON LABELS ACCOMPANYING MSDS. IMO IS
BEST GUESS BY DLA- STAFF.

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

DOT PSN Code: DTJ

Symbols: D

DOT Proper Shipping Name: CONSUMER COMMODITY

Hazard Class: ORM-D

Label: NONE

Non Bulk Pack: 156,306

Bulk Pack: NONE

Max Qty Pass: 30KGGROSS

Max Qty Cargo: 30KGGROSS

Vessel Stow Req: A

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

IMO PSN Code: HIN

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

IMDG Page Number: 3230

UN Num

ber: 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 Code: HDW
IATA UN ID Num: 8000
IATA Proper Shipping Name: CONSUMER COMMODITY +
IATA UN Class: 9
IATA Label: MISCELLANEOUS
Packing Note Passenger: 910
Max Quant Pass: 25KG G
Max Quant Cargo: 25KG G
Packaging Note Cargo: 910
Excep
tions: A112

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

AFI PSN Code: HEB
AFI Proper Shipping Name: CONSUMER COMMODITY
AFI Hazard Class: 9
AFI UN ID NUM: UN8000
Special Provisions: P5
Back Pack Reference: A13.13

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

Product ID: SCOTCH-GRIP 847 RUBBER AND GASKET ADHESIVE
Cage: 76381
Com
pany Name: MINNESOTA MINING AND MFG CO, DBA 3M
Street: 3M CENTER BLDG 224-5S-04
City: SAINT PAUL MN
Zipcode: 55144-1000
Health Emergency Phone: 612-733-1110
Label Required IND: Y
Date Of Label Review: 08/28/2000
Status Code: A
Year Procured: 1999
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
Reactivity Hazard: None
Hazard And Precautions: EYE: MODERATE EYE

IRRITATION. SKIN: MILD SKIN

IRRITATION (AFTER PROLONGED OR REPEATED CONTACT). INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION; UPPER RESPIRATORY IRRITATION. INGESTION: IRRITATION OF GASTROINTESTINAL TISSUES, CENTRAL NERVOUS SYSTEM DEPRESSION; ASPIRATION PNEUMONITIS. TARGET ORGANS: NO DATA. FIRST AID. EYES: FLUSH WITH WATER. GET MEDICAL ATTENTION. SKIN: WASH WITH SOAP & WATER. GET MEDICAL ATTENTION IF IRRITATION PERSISTS. INHALED: REMOVE TO FRESH AIR. RESTORE BREATHING. GET MEDIC

AL ATTENTION. INGESTED: DO NOT INDUCE VOMITING! GET MEDICAL ATTENTION IMMEDIATELY.

=====

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 De

fense or other government situation.