

MINNESOTA MINING AND MFG CO -- 32847 RUBBER AND GASKET ADH>0847/8032 --
8040-00-390-7959

===== Product Identification =====

Product ID:32847 RUBBER AND GASKET ADH>0847/8032

MSDS Date:11/20/1992

FSC:8040

NIIN:00-390-7959

Status Code:A

MSDS Number: CLRPK

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

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

City:SAINT PAUL

State:MN

ZIP:55144-1000

Coun

try:US

Info Phone Num:800-364-3577 OR 651-737-6501(24HR)

Emergency Phone Num:612-733-1110

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:76381

=== Contractor 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

===== Composition/Information on Ingredients =====

Ingred Name:ZINC OXIDE (ZNO)

CAS:1314-13-2

RTECS

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

Ingred Name:BENZENAMINE, N-PHENYL-, REACTION PRODUCTS WITH
2,4,4-TRIMETHYLPENTENE
CAS:68411-46-1
< Wt:1.

Ingred Name:RESIN ACIDS AND ROSIN ACIDS, ESTERS WITH GLYCEROL
CAS:8050-31-5
Minumum % Wt:7.
Maxumum % Wt:13.

Ingred Name:PHENOL-FORMALDEHYDE POLYMER
CAS:9003-35-4
Minumum % Wt:7.
Maxumum % Wt:13.

Ingred Name:SALICYLIC ACID
CAS:69-72-7
RTECS #:VO0525000
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:ACETONE
CAS:67-64-1
RTECS #:AL3150000
Minumu
m % Wt:60.
Maxumum % 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

Ingred Name:NATURAL AND SYNTHETIC RESINS

Ingred Name:ORGANIC ACID

Ingred Name:ACRYLONITRILE-BUTADIENE POLYMER
Minumum % Wt:10.
Maxumum % Wt:20.

Ingred Name:CURATIVE

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Health Hazards Acute and Chronic:EYE CONTACT: MO

DERATE EYE IRRITATION:

SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, PAIN, TEARING, AND HAZY VISION. SKIN CONTACT: MILD IRRITATION (AFTER PROLONGED OR REPEATED CONTACT):SIGNS/SYMPTOMS C AN INCLUDE REDNESS, SWELLING, AND ITCHING. INHALATION: CENTRAL NERVOUS SYSTEM DEPRESSION: SIGNS/SYMPTOMS CAN INCLUDE HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION TIME, SLURRED SPEE CH, GIDDINESS AND UNCONSCIOUSNESS. IRRITATION (UPPER RESPIRATORY): SIGNS/SYMPTOMS

CAN INCLUDE SORENESS OF THE NOSE AND THROAT, COUGHING AND SNEEZING. IF SWALLOWED: INGESTION MAY CAUSE: IRRITATION OF G ASTROINTESTINAL TISSUES: SIGNS/SYMPTOMS

Effects of Overexposure:SIGNS/SYMPTOMS CAN INCLUDE PAIN, VOMITING, ABDOMINAL TENDERNESS, NAUSEA, BLOOD IN VOMITUS, AND BLOOD IN FECES. WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUN

ICATION

STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.CENTRAL NERVOUS SYSTEM DEPRESSION: SIGNS/SYMPTOMS CAN INCLUDE HEADACHE, DIZZINESS, DROWSINESS, MUSCULAR WEAKNESS, INCOORDINATION, SLOWED REACTION TIME, FATIGUE, BLURRED VISION, SLURRED SPEECH, GIDDINESS, TREMORS AND CONVUL SIONS. ASPIRATION PNEUMONITIS:SIGNS/SYM

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First Aid Measures
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First Aid:EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LAR
GE AMOUNTS OF

WATER. GET IMMEDIATE MEDICAL ATTENTION. SKIN CONTACT: FLUSH SKIN WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. I NHALATION: REMOVE PERSON TO FREH AIR. IF NOT BREATHING , GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GET IMMEDIATE MEDICAL ATTENTION. IF SWALLOWED: IF SWALLOWED, CALL A PHYSICIAN IMMEDIAT ELY.

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Fire Fighting Measures
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Flash Point Method:TCC

Lower Limits:2.6%

U

Upper Limits:12.8%

Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING, INCLUDING HELMET, SELF CONTAINED POSITIVE PRESSURE OR PRESSURE DEMAND BREATHING APPARATUS, BUNKER COAT AND PANTS, BANDS AROUND ARMS, WAIST AND LEGS, FACE MASK, AND PROTECTIVE COVERING FOR EXPOSED AREAS OF THE 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.

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

Spill Release Procedures:REFER TO OTHER SECTIONS OF THIS MSDS FOR INFORMATION REGARDING PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. SPILL ASSISTANCE. VENTILATE AREA. EXTINGUISH ALL IGNITION SOURCES. COLLECT USING NON-SPARKING TOOLS. COVER WITH ABSORBENT MATERIALS. PLACE IN A U.S. DOT-APPROVED CONTAINER AND SEAL.

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

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

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

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

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 A WELL VENTILATED AREA. PROVIDE SUFFICIENT VENTILATION TO MAINTAIN EMISSIONS BELOW RECOMMENDED EXPOSURE LIMITS.

Protective Gloves:AVOID SKIN CONTACT. WEAR APPROPRIATE

GLOVES WHEN

HANDLING THIS MATERIAL.

Eye Protection:AVOID EYE CONTACT. WEAR VENTED GOGGLES. WEAR SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:GLOVES MADE FROM BUTYL RUBBER, POLYETHYLENE ETHYLENE VINYL ALCOHOL, POLYTETRAFLUOROETHYLENE (TEFLON).

Supplemental Safety and Health

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

Boiling Pt:=55.6C, 132.F

Vapor Pres:@68F 180 MMHG

Vapor Density:2.0

Spec Gravity:0.91

VOC Pounds/Gallon: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%

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

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

Conditions to Avoid Polymerization:WILL NOT OCC
UR.

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

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.

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