

ABBREVIATIONS: NA = NOT APPLICABLE
 ND = NOT DETERMINED
 NE = NOT ESTABLISHED

HEALTH = 1
 FLAMMABILITY = 2
 REACTIVITY = 0
 PERSONAL PROTECTION = +
 + SEE SECTION VIII

SECTION I-MATERIAL IDENTIFICATION AND USE

MATERIAL NAME/IDENTIFIER: ACE FIBERED PLASTIC RF CEMENT
 MANUFACTURERS NAME AND ADDRESS: GIBSON-HOMANS COMPANY
 1755 ENTERPRISE PARKWAY
 TWINSBURG, OHIO 44087

EMERGENCY TELEPHONE NO.: (DAY) 330/425-3255 (24 HOUR) 440/843-2982
 DATE PREPARED: JULY 2, 1986 REVISED: OCTOBER 3, 2000

CHEMICAL FAMILY: MIXTURE

CHEMICAL FORMULA/MOLECULAR WT: NA

TRADE NAME AND SYNONYMS: ASTM D4586, TYPE II

MATERIAL USE: ROOF CEMENT

SECTION II-HAZARDOUS INGREDIENTS

| CHEMICAL NAME | OSHA-PEL | ACGIH-TLV | LD50/LC50 | % WT |
|-----------------------------------|--------------|-------------------------|---------------------------|------|
| MINERAL SPIRITS CAS #8052-41-3 | 100 PPM - | 100 PPM 340 PPM STEL | >5000 MK/KG (ORAL-RAT) | 18 |

CARCINOGEN: NO
 Sara Title III, Sect. 313 reportable: NO

SECTION III-PHYSICAL/CHEMICAL CHARACTERISTICS

| | |
|---|-------------------------------------|
| BOILING POINT: 300-315 DEG.F (148-157 C) | VAPOR PRESSURE (MM): 25 DEG.C. 2 MM |
| VAPOR DENSITY (AIR=1): >1 | |
| SPECIFIC GRAVITY/DENSITY (G/ML): 1.1 | MELTING/FREEZING POINT: NA |
| EVAPORATION RATE (BUAC=1): <1 | SOLUBILITY IN WATER: NIL |
| % VOLATILE BY VOLUME: 10-30 | PH: NA |
| EFFICIENT OF WATER/OIL DISTRIBUTION: ND | ODOR THRESHOLD (PPM): ND |
| PEARANCE, PHYSICAL STATE AND ODOR: BLACK PASTE, SOLVENT ODOR. | |

SECTION IV-FIRE AND EXPLOSION DATA

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|--|-------------------------------------|
| FLASH POINT: 105 DEG.F (40 C.) MIN. PMCC | UPPER EXPLOSION LIMIT: 7.0 |
| AUTO IGNITION TEMPERATURE: 490 DEGF (254C) | LOWER EXPLOSION LIMIT: .8 |
| SENSITIVITY TO CHEMICAL IMPACT: ND | RATE OF BURNING: <2.2 MM/S |
| EXPLOSIVE POWER: ND | SENSITIVITY TO STATIC DISCHARGE: ND |
| EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICALS. | |
| SPECIAL FIRE FIGHTING PROCEDURES: THE USE OF A SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR FIREFIGHTERS. WATER MAY CAUSE FROTHING. APPLY CAUTIOUSLY. | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS: KEEP AWAY FROM SOURCES OF IGNITION. | |
| FLAMMABILITY: YES | |
| UNDER WHAT CONDITIONS: CLASS B, DIV. 3 | |
| PRESENCE OF HEAT, SPARKS, STATIC ELECTRICITY, OPEN FLAME OR OTHER SOURCES OF IGNITION. | |

SECTION V-REACTIVITY DATA

STABILITY-MATERIAL IS: STABLE
 CONDITIONS TO AVOID: HEAT, SPARKS, FLAMES.
 INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZERS.
 HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS: CARBON DIOXIDE, CARBON MONOXIDE
 HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
 CONDITIONS TO AVOID: NA

SECTION VI-HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY: INHALATION - SKIN - INGESTION
 EFFECTS OF OVEREXPOSURE, CHRONIC: NONE KNOWN

EFFECTS OF OVEREXPOSURE, ACUTE: SKIN: PROLONGED/REPEATED CONTACT MAY CAUSE IRRITATION. EYES: MAY CAUSE IRRITATION, BLURRED VISION. INHALATION: EXCESSIVE BREATHING OF HIGH VAPOR CONCENTRATIONS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, NAUSEA, POSSIBLE UNCONSCIOUSNESS AND EVEN ASPHYXIATION. INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING AND DIARRHEA. ASPIRATION OF MATERIAL INTO LUNGS EMERGENCY AND FIRST AID PROCEDURES: SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH LARGE AMOUNTS OF WATER. INHALATION: REMOVE PERSON FROM AFFECTED AREA. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. INGESTION: DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING LUNG AND SKIN DISORDERS.

CARCINOGENICITY: NO

LD50 OF PRODUCT: ND

IRRITANT?: NO

LC50 OF PRODUCT: ND

SENSITIZER?: NO

SYNERGISTIC MATERIALS: NA

REPRODUCTIVE EFFECTS: ND

TERATOGENIC: ND

MUTAGENIC: ND

SECTION VII-PREVENTIVE MEASURES, SAFE HANDLING AND USE

LEAK AND SPILL PROCEDURES: DIKE SPILL AREA. RECOVER FREE LIQUID. ADD ABSORBENT TO SPILL AREA. REMOVE SOURCES OF IGNITION. VENTILATE AREA IF NECESSARY.

WASTE DISPOSAL METHOD: DISPOSE OF ACCORDING TO FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: KEEP AWAY FROM SOURCES OF IGNITION. USE ONLY WITH ADEQUATE VENTILATION. AVOID PROLONGED/REPEATED CONTACT WITH SKIN.

OTHER: KEEP OUT OF THE REACH OF CHILDREN!

SECTION VIII-CONTROL MEASURES/PROTECTION INFORMATION

VENTILATION: AS NECESSARY TO MAINTAIN EXPOSURE BELOW TLV LEVEL.

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED IN WELL VENTILATED AREA. IF TLV IS EXCEEDED, A NIOSH/MSHA APPROVED BREATHING APPARATUS IS RECOMMENDED.

PROTECTIVE GLOVES: OIL RESISTANT

EYE PROTECTION: CHEMICAL GOGGLES IF EYE CONTACT POSSIBLE.

OTHER PROTECTIVE EQUIPMENT: AS NECESSARY.

WORK/HYGENIC PRACTICES: REMOVE CONTAMINATED CLOTHING, LAUNDER BEFORE REUSE.

SECTION IX-REGULATORY INFORMATION

REPORTABLE QUANTITY (MIN. UNDER ANY ACT): NONE

RCRA HAZARDOUS WASTE NO: (FED) NONE

SHIPPING NAME: CEMENT, ROOFING, NOI

NORTH AMERICAN EMERGENCY RESPONSE GUIDE NUMBER: NA

DOT CLASSIFICATION: NOT REGULATED AS PER 49 CFR 171.8 & 49 CFR 173.124 (A)

IDENTIFICATION NO: NMFC ITEM NO. 170060 NMFC CLASS 055

VOLATILE ORGANIC COMPOUNDS (VOC): 300 G/L MAX.

IMDG CLASSIFICATION: NOT REGULATED AS PER SECTION 1.6 ON IMDG CODE PAGE

4101

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