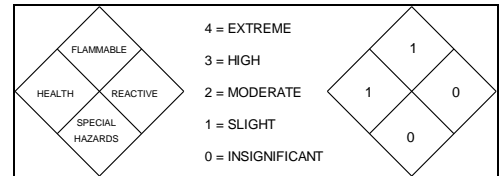




MATERIAL SAFETY DATA SHEET

LeakBarrier™ Products

MS300 Ice & Water Armor
SS400 Ice & Water Armor



| | |
|--------------------------|--|
| Manufacturer | TARCO SPECIALTY PRODUCTS, INC. |
| Address | One Information Way Suite 225 Little Rock, AR 72202 |
| Phone No. | 501-945-4506 |
| Emergency Contact | 800-424-9300 Chemtrec |

| | |
|-----------------------|---------------------|
| ROLL ROOFING | |
| Identity: | MS300, SS400 |
| MSDS Number: | 0133 |
| CAS Number: | NONE |
| Date Prepared: | 05-05-2010 |
| Prepared By: | S. MOHSEEN |

SECTION 1 MATERIAL IDENTIFICATION AND INFORMATION

| INGREDIENTS | CAS | % | OSHA TWA | ACGIH TWA | FORM |
|-------------------------------------|------------|-----|----------------------|----------------------|------------------------|
| Petroleum Asphalt | 8052-42-4 | <65 | 5 mg/m ³ | 5 mg/m ³ | Fume |
| Styrene-butadiene-styrene Copolymer | 9003-55-8 | <15 | NE | NE | |
| Petroleum hydrocarbon Resin | 68527-25-3 | <10 | NE | NE | |
| Mineral Oil | 64741-96-4 | <10 | 5 mg/m ³ | 5 mg/m ³ | |
| Calcium Carbonate | 1317-65-3 | <40 | 15 mg/m ³ | 10 mg/m ³ | Respirable Particulate |
| Polyethylene | 9002-88-4 | <5 | 15 mg/m ³ | 10 mg/m ³ | |
| Sand | 14808-60-7 | <20 | .1mg/m ³ | .05mg/m ³ | Respirable Particulate |
| Slag Granules | 68476-96-0 | <40 | 5 mg/m ³ | 3 mg/m ³ | Respirable Particulate |
| Continuous Glass Filament Mat | NE | <5 | NE | NE | |

NE=Not Established

SECTION 2 PHYSICAL / CHEMICAL CHARACTERISTICS

| | | | |
|--|------------------|--------------------------------------|---------------------|
| Appearance | BLACK COLOR ROLL | Odor | MILD PETROLEUM ODOR |
| Boiling Point | > 650°F | Specific Gravity (H2O = 1) | >1 |
| Vapor Pressure (mm Hg and Temperature) | N/A | Melting Point | >200°F |
| Vapor Density (Air = 1) | N/A | Evaporation Rate (Butyl Acetate = 1) | N/A |
| Solubility in Water | INSOLUBLE | Water Reactive | N/A |

SECTION 3 FIRE AND EXPLOSION HAZARD DATA

| | | | | | | | | | |
|-----------------------------|------------|---------------------------|--------|--|-----|-----|-----|-----|-----|
| Flash Point and Method Used | >500F, COC | Auto-Ignition Temperature | >750°F | Flammability Limits in Air % by Volume | N/A | LEL | N/A | UEL | N/A |
|-----------------------------|------------|---------------------------|--------|--|-----|-----|-----|-----|-----|

| |
|--|
| Extinguisher Media - FOAM, CO2, DRY CHEMICAL, HALON - AVOID USE OF STRAIGHT STREAM WATER |
| Special Fire Fighting Procedures - WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING |
| Unusual Fire and Explosion Hazards - WHEN HEATED, FUMES MAY BURN IF AN IGNITION SOURCE IS PROVIDED. FUMES MAY EXPLODE IF EMITTED IN AN ENCLOSED ENVIRONMENT WITH AN IGNITION SOURCE. |

SECTION 4 REACTIVITY HAZARD DATA

| | | |
|--|---|---------------------------|
| Stability | Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/> | Conditions to Avoid - N/A |
| Incompatibility (Materials to Avoid) - STRONG ACIDS OR BASES, OXIDIZING AGENTS | | |
| Hazardous Decomposition Products - CO, CO ₂ , OZONE, HYDROGEN SULFIDE, OXIDES OF SULFUR AND VARIOUS HYDROCARBON | | |
| Hazardous Polymerization - WILL NOT OCCUR | | |

SECTION 5 HEALTH HAZARD DATA

| | | |
|---|---|--|
| Primary Routes of Entry: <input type="checkbox"/> Inhalation <input type="checkbox"/> Skin Absorption <input checked="" type="checkbox"/> Ingestion <input checked="" type="checkbox"/> | | Carcinogen Listed In: <input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph <input type="checkbox"/> OSHA <input checked="" type="checkbox"/> Not Listed |
| Health | Acute - MECHANICAL IRRITATION | |
| Hazards | Chronic - DUE TO PRODUCT FORM AND RECOMMENDED USE, EXPOSURES TO DUSTS OR FUMES ARE NOT EXPECTED | |
| Signs and Symptoms of Exposure - N/A | | |
| Medical Conditions Generally Aggravated by Exposure - N/A | | |
| Emergency First Aid Procedures - SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION AND SUPPORT IF NECESSARY. | | |
| Eye Contact - IF PARTICLES ENTER THE EYE, IT WILL CAUSE IRRITATION POSSIBLY RESULTING IN STRATCHING OF THE EYE, STINGING, REDNESS OR SWELLING. | | |
| Skin Contact - PRIMARY ROUTE OF EXPOSURE IS SKIN CONTACT. REPEATED CONTACT MAY CAUSE TEARING OF SKIN, REDNESS, DRYING OR CRACKING. | | |
| Inhalation - IF PRODUCT IS HEATED, EXPOSURE TO FUMES, VAPORS OR MISTS MAY CAUSE IRRITATION OF THE NOSE AND THROAT. USE OF PRODUCT IN WELL-VENTILATED WORKING AREAS IS NOT EXPECTED TO CAUSE ADVERSE EFFECTS. | | |
| Ingestion - TYPICALLY APSHALT PRODUCTS HAVE LOW TOXICITY WHEN SWALLOWED. IF SWALLOWED THIS PRODUCT MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT FOLLOWED BY VOMITING. SHOULD VOMITING OCCUR, SMALL AMOUNTS OF MATERIAL CAN BE ASPIRATED INTO THE LUNG. | | |

SECTION 6 CONTROL AND PROTECTIVE MEASURES

| | | |
|--|---|---|
| Respiratory Protection (Specify Type) - IF IRRITATION OCCURS, USE 3M-9900 OR 3M-8710 OR EQUIVALENT | | |
| Protective Gloves - RECOMMENDED TO PREVENT ABRASION OR SKIN IRRITATION | | Eye Protection - SAFETY GLASSES W/ SIDE SHIELDS |
| Ventilation to be Used | <input checked="" type="checkbox"/> Local Exhaust - AMBIENT | <input type="checkbox"/> Mechanical (General) N/A |
| | <input type="checkbox"/> Special - N/A | <input checked="" type="checkbox"/> Other (Specify) - MECHANICAL IN CONFINED SPACES IF MATERIAL IS HEATED |
| Other Protective Clothing and Equipment - N/A | | |
| Hygienic Work Practices - WASH HANDS AFTER APPLICATION | | |

SECTION 7 PRECAUTIONS FOR SAFE HANDLING AND USE

| |
|--|
| Steps to be Taken if Material is Spilled or Released - PICK UP PIECES AND DISPOSE PROPERLY. AVOID DRY SWEEPING OR BLOWING WITH AIR IN CONFINED SPACES. |
| Waste Disposal Methods - DISPOSE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS |
| Precautions to be Taken in Handling and Storage - STORE AWAY FROM HEAT AND ALL IGNITION SOURCES AND OPEN FLAMES. |
| Other Precautions and/or Special Hazards - N/A |