



Safety Data Sheet

TotalFlash® Rubberized Asphalt

1/5 Issue Date: 2015/April

Section 1: Chemical Product and Company Identification

TRADE NAME: TotalFlash® Rubberized Asphalt
LABEL: TW60 WATERPROOFING MEMBRANE
USE & DESCRIPTION: Rolled Waterproofing
CHEMICAL FAMILY: Mixture

MANUFACTURED BY: Mortar Net Solutions™
EMERGENCY TELEPHONE NUMBERS: General Information: (417) 624-6644 (8 a.m. - 5 p.m.) CST
326 Melton Road Chemtrec: (800) 424-9300 (24 HOURS)
Burns Harbor, IN 46304
Tel: (800) 664-6638 Fax: (219) 787-5088
Website: www.mortarnet.com

Section 2: Hazards Identification

SIGNAL WORD: Danger

GHS CLASSIFICATION: Carcinogenicity – Category 1A
Skin Irritation – Category 2
Eye Irritation – Category 2B
Specific Target Organ Toxicity, Repeated Exposure – Category 1



HAZARD STATEMENTS: May cause cancer. Causes skin and eye irritation. Causes damage to organs through prolonged or repeated exposure. Additional hazard information: Can cause silicosis and other permanent lung damage.

PRECAUTIONARY STATEMENTS:

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wear protective gloves/protective clothing/eye protection/face protection. Do not eat, drink or smoke when using this product. Wash hands and exposed skin thoroughly after handling.

Response

If on skin: Wash with plenty of water. Get medical advice/attention: If exposed or concerned or you feel unwell, if eye and or skin irritation persists. Specific treatment: See section 4-First Aid In case of fire: See Section 5. Take off contaminated clothing and wash before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

Store locked up.

Disposal

Dispose in accordance with Federal, State, and Local regulations. (See Section 13 for additional information).

Section 3: Composition/Information on Ingredients

Table with 3 columns: Components, CAS No., % by Weight. Rows include Asphalt, Limestone*, Styrene Butadiene Copolymer, and *Contains Crystalline Silica Quartz.



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Section 4: First Aid Measures

EYE CONTACT: Immediately flush eyes with plenty of cool water for at least 20 minutes, occasionally lifting the eye lids to ensure thorough rinsing. Get medical attention if irritation persists.

SKIN CONTACT: Clean any exposed skin with warm soapy water if possible. If not, and a waterless hand cleaner is used, it should be without pumice. Do not use solvents or thinners to remove material from skin. Get medical attention if irritation persists or develops.

INGESTION: If swallowed, do not induce vomiting. If vomiting occurs, keep head lower than hips to avoid aspiration of vomit into the lungs which can cause inflammation or pneumonitis. Call poison control center or get immediate medical attention.

INHALATION: If inhalation of cured product particles, fumes, vapors, or mist occurs, remove person to fresh air. Drink water to clear throat or blow nose to clear. If not breathing, give artificial respiration or give oxygen by trained personnel and get immediate medical attention.

NOTES TO PHYSICIAN: Treatment should be based on removing the source of irritation with treatment of symptoms as necessary.

Section 5: Fire-Fighting Measures

EXTINGUISHING MEDIA: Dry chemical, CO₂, or foam fire extinguisher should be used. Avoid use of straight-stream water.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should not enter confined spaces without wearing a National Institute for Occupational Safety and Health (NIOSH) approved positive pressure self-contained breathing apparatus (SCBA) with full face mask and full protective equipment. Water may be used to cool containers in a fire-exposed area.

UNUSUAL FIRE OR EXPLOSION HAZARDS: When heated, fumes may burn if ignition source is provided. Petroleum asphalt fumes can explode if emitted in an enclosed environment and supplied with an ignition source. Burning product may cause thick black smoke.

SEE SECTION 10 FOR COMBUSTION PRODUCTS

Section 6: Accidental Release Measures

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED: Pick up large pieces. Do not dry sweep dusts or blow with air in confined area.

WASTE DISPOSAL METHODS: Dispose in accordance with applicable Federal, State, and Local regulations. Do not burn.

Section 7: Handling and Storage

STORAGE TEMPERATURE: Store away from heat and all ignition sources and open flames in accordance with applicable laws and regulations. **THIS PRODUCT SHOULD NOT BE HEATED OR BURNED USING A DIRECT FLAME DEVICE.**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Follow recommended work practices and use recommended personal protective clothing and equipment. See Section 8 of this MSDS.

Section 8: Exposure Control/Personal Protection

EXPOSURE LIMITS

Components	CAS No.	OSHA		ACGIH		Unit
		TWA	STEL	TWA	STEL	
Asphalt	8052-42-4	NE	NE	0.5**1	NE	mg/m ³
Limestone†	1317-65-3	15/5**	NE	10/3***	NE	mg/m ³
†Contains Crystalline Silica Quartz	14808-60-7	See 1910.1000 Table Z.3	NE	0.025	NE	mg/m ³



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NE= Not established

Note: Due to the form of the product, hazardous exposures from this product are not expected to occur. Gloves must be worn when handling and adequate ventilation must be provided during roofing related activities.

** Asphalt Fume as benzene-soluble inhalable aerosol (Bitumen)

I = Inhalable Fraction

*** Total Nuisance Dust/Respirable Dust

RESPIRATORY PROTECTION: Normally not needed in well-ventilated areas. If applicable exposure standards are exceeded or can be exceeded, use a NIOSH approved air-purifying respirator. If concentrations are sufficiently high that this respirator is inadequate, or high enough to cause oxygen deficiency, use a positive pressure self-contained breathing apparatus (SCBA). Follow all applicable respirator/SCBA use, fitting, training standards and regulations.

VENTILATION: Use only with adequate ventilation to maintain exposures below applicable exposure limits. Local exhaust ventilation and/or enclosure of the process may be required. All equipment must be explosion proof.

EYE PROTECTION: Chemical safety goggles with side-shields or face shield must be used if eye contact is possible.

SKIN: Chemical resistant gloves, apron, or other protective clothing needed to prevent skin contact. Must wear leather or heat-resistant gloves, long-sleeve cotton shirt, long pants with no cuffs, and non-skid shoes or boots with 6-inch leather uppers during application and/or tear off activities.

Section 9: Physical and Chemical Properties

Table with 2 columns: Property and Value. Properties include Appearance and Odor, Odor Threshold, pH, Boiling Point, Melting Point, Flash Point, Autoignition Temperature, Viscosity, Decomposition Temperature, Upper/Lower Flammability or Explosive Limits, Vapor Pressure, Vapor Density (Air = 1), Specific Gravity/Relative Density, Solubility (IES), Initial Boiling Point and Boiling Range, Evaporation Rate (Butyl Acetate = 1), Flammability (Solid and Gas), and Partition Coefficient: N-Octanol/Water.

Section 10: Stability and Reactivity

STABILITY: Stable

REACTIVITY: Reactivity will not occur.

CONDITIONS TO AVOID: Keep from heat, sparks, open flame and other sources of ignition. Avoid contact with strong oxidizing agents.

HAZARDOUS REACTION: Polymerization will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids or bases, oxidizing agents and selected amines.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, ozone, hydrogen sulfide, oxides of sulfur and various hydrocarbons. These combustion products are not expected unless product is heated or burned.

Section 11: Toxicological Information

EYE - Can cause eye irritation.

SKIN - Can cause skin irritation.

INHALATION - Dust may cause upper respiratory irritation.

INGESTION - May cause harmful effects if swallowed.



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THE FOLLOWING COMPONENT DATA IS PROVIDED FOR USER INFORMATION:

SILICA

Cancer - This product contains crystalline silica (quartz). IARC has determined that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1). IARC concluded that there was sufficient evidence in humans and animals for the carcinogenicity of inhaled crystalline silica in the form of quartz from occupational sources. The NTP has classified silica as known to be a human carcinogen. The physical nature of this product may help limit any inhalation hazard from crystalline silica during application and in its hardened state. However, physical forces such as sawing, grinding, drilling and other demolition work on this product may liberate crystalline silica dust.

Acute Effects - Exposure to silica dust can cause irritation of the eyes, nose and throat. Exposure to high concentrations can also cause Accelerated Silicosis causing progressive shortness of breath, fever, coughing, and weight loss.

Chronic Effects - In addition to cancer, breathing of silica over a period of time can cause damage to the lung tissue or silicosis after long exposure at low concentrations causing shortness of breath, fever, coughing, and weight loss. Prolonged and repeated exposure to respirable silica- containing dust may cause autoimmune disease, kidney disease, tuberculosis, and nonmalignant respiratory disease, and bronchitis.

ASPHALT

Cancer - This product contains asphalt. The National Institute for Occupational Safety and Health has concluded that the fumes of heated roofing asphalt are a potential occupational carcinogen. Asphalt may also cause irritation of the respiratory tract. The physical nature of this product may help limit any inhalation hazard from asphalt during application in its hardened state. However, physical forces such as sawing, grinding, drilling and other demolition work on this product may liberate dust containing oxidized asphalt. Burning or heating of the product may cause fumes, vapors or mists.

Acute Effects - Inhalation of dust, fumes, vapors, mist may cause nose, throat, and mucous membrane irritation. Eye contact may cause severe irritation, redness, tearing, and blurred vision. If ingested, may cause mouth, throat and gastrointestinal tract irritation and upset with possible nausea, vomiting and diarrhea. See Section 8 for exposure controls.

Chronic Effects - In addition to cancer, prolonged or repeated skin contact may result in dryness and irritation of the skin. Long term skin exposure to asphalt can increase sensitivity to the sun, and may cause discoloration. Oxidized asphalt may also cause irritation of the respiratory tract.

Section 12: Ecological Information

Ecotoxicity – No data available

Persistence and degradability – No data available

Bioaccumulative potential – No data available

Mobility in soil – No data available

Other adverse effects (GHG, Ozone) - No data available

Section 13: Disposal Considerations

This product has not been regulated as a hazardous waste by the USEPA. Dispose in accordance with Federal, State, and Local regulations.



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Section 14: Transport Information

This product is not regulated as a hazardous material for transport under 49 CFR or for vessel transport under the IMDG Code.

- DOT PROPER SHIPPING NAME:** Not Applicable
- DOT HAZARD CLASSIFICATION:** Not Applicable
- DOT LABELING REQUIREMENTS:** Not Applicable
- UN/NA NUMBER:** Not Applicable
- PACKING GROUP:** Not Applicable
- IMDG CODE:** Not Applicable
- IMDG SHIPPING NAME:** Not Applicable
- IMDG HAZARD CLASS:** Not Applicable
- UN/ID NUMBER:** Not Applicable
- PACKING GROUP NUMBER:** Not Applicable

Section 15: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA): Some components in this product are listed on the TSCA Inventory.
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY ACT (CERCLA): None
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA), TITLE III:

- Section 302 Extremely Hazardous Substances:** None
- Section 311/312 Hazard Categories:** Immediate Health; Delayed Health; Fire Hazard
- Section 313 Reportable Ingredients:** None

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Section 16: Other Information

HMIS Rating: Health - * 1 Flammability - 1 Reactivity - 0	NFPA Rating: Health - 1 Flammability - 1 Reactivity - 0
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KEYS: 4=Severe; 3=Serious; 2=Moderate; 1=Slight; 0=Minimal

Preparation Date: **April 2015**

Disclaimer of Liability

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