

MATERIAL SAFETY DATA SHEET

MSDS Number: T031000

Revision Date: September 2010

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: TAMKO Dry Felt - Roofing

USE & DESCRIPTION: Roofing Material

CHEMICAL FAMILY: Cellulose (Paper Fiber) Mixture

MANUFACTURED FOR:

TAMKO Building Products, Inc.
P.O. Box 1404
Joplin, MO 64802-1404

EMERGENCY TELEPHONE NUMBERS;

General Information: 1-904-284-7571 (8 a.m. - 5 p.m. EST)
1-620-429-1800 (8 a.m. - 5 p.m. CST)
1-417-624-6644 (8 a.m. - 5 p.m. CST)
Chemtrec: 1-800-424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	Cas No.	% by Wt.	Exposure Limits*				
			OSHA		ACGIH		Unit
			TWA	STEL	TWA	STEL	
Cellulose Fiber (paper) Total Dust Respirable Fraction	9004-34-6	100	15 5		3		mg/m ³ mg/m ³

See Section 8 for additional relevant exposure limits

NE = Not established

* - Note: Due to the form of the product, hazardous exposures are not expected to occur. Exposure limits are provided for information purposes only.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

<u>HMIS Rating:</u> Health - 0 Flammability - 1 Reactivity - 0	<u>NFPA Rating:</u> Health - 0 Flammability - 1 Reactivity - 0
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Potential Health Effects

EYE CONTACT: Mechanical eye irritation. Signs/symptoms may include pain, redness, tearing and corneal abrasion.

SKIN CONTACT: Mechanical skin irritation. Signs/symptoms may include abrasion, redness, pain and itching.

SKIN ABSORPTION: N/A

INGESTION: Gastrointestinal Irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting & diarrhea.

INHALATION: Respiratory Tract Irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

CHRONIC EFFECT/CARCINOGENICITY/SPECIAL TOXIC EFFECTS: Lung involvement after prolonged exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing medical conditions that may be aggravated by exposure include disorders of the skin and respiratory tract including asthma.

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. Remove contacts if in use. Get medical attention if irritation persists.

SKIN CONTACT: Clean any exposed skin with warm soapy water. Use a waterless hand cleaner 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 because of danger of aspirating material into lungs, resulting in damage and chemical pneumonia. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than hips to prevent aspiration. Get immediate medical attention.

INHALATION: If inhalation 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. Get immediate medical attention.

NOTES TO PHYSICIAN: None other than listed above.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD): N/A

FLAMMABLE LIMITS (% VOLUME IN AIR - SOLVENT COMPONENT):

Lower= N/A

Upper = N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Water and/or any commercial fire extinguishing agent.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should not enter confined spaces without wearing NIOSH approved positive pressure breathing apparatus (SCBA) with full face mask and full protective equipment

UNUSUAL FIRE OR EXPLOSION HAZARDS: Excessive dust accumulation or airborne dust may ignite and burn violently.

6. ACCIDENTAL RELEASE MEASURES

PRECAUTIONS IF MATERIAL IS SPILLED OR RELEASED: No hazards known. Dispose as a solid waste, according to local requirements.

WASTE DISPOSAL METHODS: Disposal should be according to local requirements as a solid waste.

7. HANDLING AND STORAGE

STORAGE: Store in a dry area – keep dry.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store in wet atmosphere or near open flames. Follow protective controls outlined in the MSDS (see Section 8).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Normally not needed in well-ventilated areas. If applicable standards are exceeded or are likely to be exceeded, use a NIOSH/MSHA approved, contaminant-specific, air-purifying respirator. If such 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 use, fitting, and training standards and regulations.

EYE PROTECTION: Safety glasses with side shields or goggles are needed if eye contact is possible.

SKIN: Leather or cotton gloves if necessary.

VENTILATION: Use only with adequate ventilation to maintain exposures below appropriate exposure limits.

EXPOSURE GUIDELINES: See section 2 for component materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Brown to white paper membrane – no identifiable odor

BOILING POINT: Decomposes

Ph: N/A

MELTING POINT: 500-518 °F (Decomposes)

SPECIFIC GRAVITY:

VAPOR PRESSURE: N/A

VAPOR DENSITY (AIR = 1): N/A

% VOLATILE, BY VOLUME: N/A

SOLUBILITY IN WATER: Moderate

EVAPORATION RATE (BUTYL ACETATE = 1): N/A

OTHER PHYSICAL AND CHEMICAL DATA: N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Do not store in wet atmosphere or near open flames.

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY (MATERIALS TO AVOID): Water, bromine pentafluoride, sodium nitrate, fluorine, strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide results from burning.

11. TOXICOLOGICAL INFORMATION: For toxicological information on this product and/or components listed in any section, please review specific information in NIOSH Registry of Toxic Effects of Chemical Substances (RTECS), ACGIH TLV Documentation, IARC Monographs, and/or NTP information.

12. ECOLOGICAL INFORMATION: No specific data on this product.

13. DISPOSAL CONSIDERATIONS: Disposal should be according to Local, State, and Federal requirements for solid waste.

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

15. REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA): The components of 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
Fire Hazard

SECTION 313 REPORTABLE INGREDIENTS: None

Chemical Name	CAS Number	Concentration (% by Wt.)
N/A		

CALIFORNIA PROPOSITION 65

This product does not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm

16. OTHER INFORMATION

Preparation Date: Sept. 2010

Replaces:

Disclaimer of Liability

The information and recommendations contained herein are to the best of **TAMKO Building Products'** knowledge and belief, accurate and reliable as of the date issued. **TAMKO Building Products** does not warrant or guarantee their accuracy or reliability, and **TAMKO Building Products** shall not be liable for any loss or damage arising out of the use thereof.

The information and recommendations are offered for the user's consideration and examination, and it is the user's responsibility to satisfy itself that they are suitable and complete for its particular use.