



MATERIAL SAFETY DATA SHEET

7301 Bessemer Avenue • Cleveland, Ohio 44127 • 1-800-556-8030 • (216) 341-2000 • Fax: (216) 341-5833

SECTION 1 – PRODUCT IDENTIFICATION

PRODUCT NAME: FOUNDATION EMULSION
CHEMICAL FAMILY: ASPHALT BASED ROOF COATING
PRODUCT NUMBER: 1705
EMERGENCY TELEPHONE: CHEMTREC (800) 424-9300
DATE PREPARED: 02/28/02
PREPARED BY: ACT-GS

SECTION 2 – HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS NO.	OSHA PEL	ACGIH TLV	WT%
PETROLEUM ASPHALT	8052-42-4	5 mg/m ³ respirable fraction	5 mg/m ³ fumes	<45
WATER	7732-18-5	None	None	<60
CLAY	12174-11-7	15 mg/m ³	10 mg/m ³	<10
CHROMIUM OXIDE*	1333-82-0	0.1 mg/m ³ as CrO ₃	0.05 mg/m ³ as Cr	<0.1

*CHROMIUM OXIDE IS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313

SECTION 3 – PHYSICAL DATA

BOILING POINT (°F):	210 initial	MELTING POINT:	N.A.
SPECIFIC GRAVITY:	1.02	EVAPORATION RATE:	Equal to water
VAPOR PRESSURE:	Equal to water	VAPOR DENSITY:	Equal to water
% VOLATILE BY VOL.	50	SOLUBILITY, WATER:	Soluble
pH	5-7		
APPEARANCE/ODOR:	Brown liquid, petroleum odor		

SECTION 4 – FIRE AND EXPLOSION DATA

FLASH POINT: >450 °F FLAMMABILITY LIMITS: LEL None UEL None
AUTOIGNITION TEMPERATURE: No data available
EXTINGUISHING MEDIA: Foam, Carbon Dioxide, Dry Chemical, Water Fog.

SPECIAL FIREFIGHTING INSTRUCTIONS: Use water to cool containers to prevent bursting. High heat can cause water in this product to form steam which can cause bulging and bursting of containers. Wear full firefighting gear including self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Intense heat can cause pressure build-up in containers and can result in bursting.

SECTION 5 - REACTIVITY DATA

STABILITY: Stable. CONDITIONS TO AVOID: Heat, freezing temperatures.
INCOMPATIBILITY: Avoid strong oxidizers.

HAZARDOUS DECOMPOSITION BYPRODUCTS: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Hydrogen Sulfides, and Smoke.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6 – HEALTH HAZARD DATA

ROUTES OF EXPOSURE: Inhalation, Skin Contact, and Eye Contact.

HEALTH HAZARDS (ACUTE): Vapors and liquid can cause eye irritation, redness, tearing and blurred vision. Ingestion can cause irritation of mouth, throat, and gastrointestinal tract. May cause nausea and vomiting.

HEALTH HAZARDS (CHRONIC): Prolonged or repeated contact can cause skin dryness, irritation and dermatitis.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

Ingredients are not considered carcinogenic by OSHA or NTP. IARC monographs list refined bitumens as possibly carcinogenic to humans based upon animal studies. IARC regards it prudent to treat a material for which there is sufficient evidence of carcinogenicity in animals as if it is possibly carcinogenic in humans.

EMERGENCY AND FIRST AID PROCEDURES: IF INHALED: Remove person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, administer artificial respiration. Seek emergency medical attention. SKIN CONTACT: Remove material with mild soap and water. If material has dried, remove with waterless hand cleaner. If irritation persists, seek medical attention. Remove and launder contaminated clothing before reuse. EYE CONTACT: Flush eyes with cool running water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. IF INGESTED: **DO NOT INDUCE VOMITING.** Call a doctor or Poison Control Center immediately. Aspiration can cause chemical pneumonitis that is potentially fatal.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Eliminate sources of ignition. Ventilate area. Wear appropriate safety equipment. Restrict access to area of spill. Contain spill using sand or other inert material. Recover free material to a secure container. Use inert absorbent to pick up residue. Wash area with soap and water.

WASTE DISPOSAL: Dispose of material in accordance with applicable Federal, State and local regulations. This material is a RCRA regulated hazardous waste.

PRECAUTIONS FOR STORAGE AND HANDLING: Do not store containers near heat. Protect from freezing. Keep container closed when not in use. Wear appropriate personal protective equipment when handling product. Wash hands after using product and before eating or smoking.

SECTION 8 – CONTROL MEASURES

RESPIRATORY PROTECTION: **FOR OUTDOOR USE ONLY.** Avoid breathing vapors or spray mist. If vapors exceed TLV, use a NIOSH/MSHA approved respirator equipped with an Organic Vapor cartridge or self-contained breathing apparatus.

EYE PROTECTION: Wear safety goggles or full-face shield.

PROTECTIVE GLOVES: Impervious plastic or rubber gloves.

PROTECTIVE CLOTHING: Wear long pants and long sleeved shirt. Remove contaminated clothing and launder before reuse.

OTHER PROTECTIVE MEASURES: Use waterless hand cleaner to remove dried material from skin. Avoid breathing of vapors and spray mist. Eye wash stations and safety showers should be available.

SECTION 9 – OTHER INFORMATION

ABBREVIATIONS			NFPA	HMIS
	NA=NOT APPLICABLE	HEALTH	2	2
	ND=NOT DETERMINED	FLAMMABILITY	0	0
	NE=NOT ESTABLISHED	REACTIVITY	1	1
		PERSONAL PROTECTION		B

VOC Content: None. Asphalt feedstock may contain trace amounts of volatile organic solvents. Complies with California, Massachusetts and Federal regulations in effect on date of issuance.

California Proposition 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

DOT Proper Shipping Name: Not regulated.

California Proposition 65: This product contains Chromium Oxide which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372.

The information contained herein is believed to be accurate and complete to the best of ALCM's knowledge at the time of issuance. ALCM does not warranty the accuracy of this data and shall not be liable for any loss or damage arising from the use thereof.