

HMIS RATING	
Health	1
Flammability	1*
Reactivity	0

MATERIAL SAFETY DATA SHEET

NFPA 704 RATING	
Health	1
Flammability	1*
Reactivity	0
NFPA 30B LEVEL	
NA	

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1. PRODUCT IDENTIFICATION

PART NUMBER 80-4300-1
PRODUCT NAME Flex-Fill
CHEMICAL FAMILY N/A
DOT SHIPPING Consumer Commodity ORM-D

2. HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL IDENTITY, COMMON NAMES	OSHA PEL	ACGIH TLV	STEL	%
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Contains no hazardous components as defined in 29 CwFR 1910.1200

While this product is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of this product. This MSDS should be retained and available for employees and other users of this product.

COMPOSITION/INFORMATION ON INGREDIENTS:

Petroleum asphalt base w(8052-42-4)	5ppm [^]	5ppm [^]	-	45-55
Deionized Water (7732-18-5)	-	-	-	27-30
Clay/Mineral Filler (1332-58-7) (a)	15mg/m ³ +	15mg/m ³ +	-	13-20
Styrene-Butadiene Co-polymer (9010-98-4) (b)	-	-	-	2-4
Proprietary items	-	-	-	3

[^] as fumes

+ as dust

(a) Kaolin Clay (hydrous aluminum silicate)

(b) poly (2-chloro-1,3 butadiene) and co-polymers

All chemical compounds marked with an asterisk (*) are toxic chemicals subject to the reporting of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture of trade name product is sold. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.

3. PHYSICAL DATA

BOILING POINT (RANGE) 212°F
VAPOR PRESSURE PSIG @ 70°F N/E
VAPOR DENSITY (AIR = 1) >1
SOLUBILITY IN WATER Dispersible
SPECIFIC GRAVITY (H₂O = 1) >1
MELTING/FREEZING POINT N/A
EVAPORATION RATE (Ether=1) <1
VOC content (by weight) <10%
APPEARANCE AND ODOR Dark brownish-gray viscous liquid / Asphalt petroleum odor

4. FIRE AND EXPLOSION DATA

FLASH POINT >300°F TOC
UPPER EXPLOSIVE LIMIT (%) N/A
LOWER EXPLOSIVE LIMIT (%) N/A
EXTINGUISHING MEDIA Dry chemical, CO₂, water fog, foam.w
SPECIAL FIREFIGHTING PROCEDURES Firefighters should wear NIOSH approved positive pressure self-contained breathing apparatus; water fog may be used to cool fire-exposed containers. Avoid water streams, as this may cause frothing.
FIRE AND EXPLOSION HAZARDS Flame near containers (even "empty") may cause product fumes to ignite explosively.
NFPA Flammability Hazard 1* (cured product)

5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY Eyes, Inhalation, Ingestion, Skin exposure.

HEALTH HAZARDS
(ACUTE AND CHRONIC)

Material in eyes will cause irritation, redness; prolonged or repeated skin contact may cause irritation and/or dermatitis. Ingestion is not an expected route of entry, but ingestion may cause nausea, stomach irritation, and vomiting. Inhalation of fumes may irritate the nose, throat, and lungs, and cause difficulty breathing.

SIGNS & SYMPTOMS OF EXPOSURE Eyes: redness, irritation, burning; Inhalation: difficulty in breathing; Skin: redness; Ingestion: vomiting.

5. HEALTH EFFECTS DATA CON'T.

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE Respiratory disorders.

FIRST AID PROCEDURES

EYES Flush with water for at least 15 minutes, obtain medical attention if irritation persists.

SKIN CONTACT Remove contaminated clothing and wash affected areas with soap, large volumes of water, do not use thinners or solvents on skin. Launder clothing before re-use. Obtain medical attention if skin irritation or redness persists.

INGESTION Do not induce vomiting; keep individual calm; obtain medical attention.

INHALATION Remove to fresh air. Administer oxygen and obtain medical attention for continued difficulty breathing.

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA Guidelines) Presently not on any lists. There is evidence for the carcinogenicity of asphalt fumes in animal tests, but not in humans

6. REACTIVITY

STABILITY Stable

INCOMPATIBILITIES High temperatures, strong oxidizers, acids, soaps, and solvents.

HAZARDOUS DECOMPOSITION

PRODUCTS (thermal) Oxides of carbon and other potentially toxic organic vapors.

HAZARDOUS POLYMERIZATION Will not occur

HAZARDOUS POLYMERIZATION CONDITIONS None known

NFPA REACTIVITY HAZARD 0

7. PRECAUTIONS FOR SAFE HANDLING & USE

PROTECTIVE EQUIPMENT

REQUIREMENTS Safety glasses or face shield, ventilation sufficient to maintain vapor concentrations below TLV. Long sleeves and pants, rubber boots and gloves.

WASH REQUIREMENTS Wash with soap and water. Eye baths and emergency showers should be available.

SPILL OR LEAK PROCEDURES Eliminate sources of ignition. Wear protective clothing. Use absorbent sweeping compound to soak up material, put into container. Use soap and water for final cleanup.

WASTE DISPOSAL METHODS Dispose of waste in accordance with EPA RCRA. Dispose of empty containers according to all federal, state, and local regulations.

HANDLING & STORAGE Store below 120°F; keep away from heat, sparks, or open flame. Keep from freezing. Use stored containers within six months.

OTHER PRECAUTIONS Avoid breathing vapors or getting the liquid on skin.

8. ADDITIONAL INFORMATION

Use NIOSH-approved organic vapor respiratory cartridge or NIOSH-approved self-contained breathing apparatus if TLV limits are exceeded. Do not eat or smoke while using. Wash hands thoroughly after use.

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND ARE NOT COMBINED WITH OTHER PRODUCTS. SUCH INFORMATION IS BASED UPON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND IS BELIEVED TO BE ACCURATE. NO GUARANTEE OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.

**KIMBALL
MIDWEST**

Specializing in Materials Management since 1923