

MATERIAL SAFETY DATA SHEET

Vance Brothers, Inc.

5201 Brighton, P.O. Box 300107
 Kansas City, MO 64130
 Phone: 816-923-4325/ 800-821-8549 FAX: 816-923-6472
 Emergency Phone Number (CHEMTREC): 800-424-9300

HMIS HAZARD RATING	
1	HEALTH
0	FIRE
0	REACTIVITY

I. PRODUCT INFORMATION

TRADE NAME Advantage Crack Flex -Black	C.A.S. NUMBER Mixture
SYNONYMS Tennis Court Crack Filler	PRODUCT CODE NUMBER 1049

II. PHYSICAL DATA

BOILING POINT @ 760 MM Hg 212°F	% VOLATILES BY VOLUME 35 - 40%	SOLUBILITY IN H2O BY WEIGHT % Highly Soluble
SPECIFIC GRAVITY 1.0 - 1.5 @ 60°F	MELTING POINT Not Applicable	EVAPORATION RATE (BUTYL ACETATE = 1) Same as water
VAPOR DENSITY (AIR = 1) <1.0	VAPOR PRESSURE ≈ 17mmHg @ 68°F	APPEARANCE AND ODOR Viscous red liquid - latex odor

III. HAZARDOUS COMPONENTS

C.A.S. NUMBER	MATERIAL OR COMPONENT	%	HAZARD DATA
14080-60-7	(1) Silicone Dioxide Dust	22	TLV/TWA – 0.1 mg/ m3

IV. HEALTH HAZARD INFORMATION

EXPOSURE LIMITS	TLV/TWA 0.1 mg/m3	TLV/STEL Not Established	TLV/PEL 0.1 mg/ m3	ODOR THRESHOLD LIMIT Not Applicable
-----------------	-----------------------------	------------------------------------	------------------------------	---

ROUTES OF EXPOSURE AND EFFECTS AS REQUIRED BY 29CFR1910.1200

INHALATION	The inhaling of vapor or spray mist may cause headache, irritation to nose and throat, dizziness, weakness and nausea.
INGESTION	Ingestion of latex-based materials may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. For acrylic emulsions similar to the latex in this product, the oral LD50 in rats is 5000 mg/kg.
SKIN ABSORPTION	Absorption through normal skin contact is not expected. However, absorption may occur through wounds exposed to the material. Effects may include irritation and dermatitis. Health effects are not expected if proper personal safety and hygiene is observed.
SKIN CONTACT	Skin contact may cause irritation and dermatitis.
EYE CONTACT	Eye contact may cause corneal irritation.
ACUTE OVEREXPOSURE eye	Over exposure to latex vapors and mists may cause headaches, dizziness, nausea, and and respiratory irritation. Any pre-existing skin or respiratory conditions may be aggravated by exposure to this product. Skin effects include mild irritation and dermatitis.
CHRONIC OVEREXPOSURE observed. exposure to this	Chronic health effects are not expected if proper personal safety and hygiene is observed. Pre-existing skin disorders may be aggravated by repeated or prolonged exposure to this product.

V. EMERGENCY AND FIRST AID PROCEDURES

INHALATION	If breathing is difficult, move person to fresh air or administer oxygen and seek prompt medical attention.
INGESTION	DO NOT induce vomiting. Give 1 or 2 glasses of water to dilute and consult a physician. Never give anything by mouth to an unconscious person!
SKIN CONTACT	Wash affected area thoroughly with soap and water. Remove and discard contaminated clothing. Apply topical creme or hand lotion to relieve irritation. If irritation persists, consult a physician.
EYE CONTACT	Flush eyes with water for 15 minutes while holding eyelids open. If subject is wearing contact lenses, immediately seek an ophthalmologist for treatment.

VI. SPECIAL PROTECTION INFORMATION

VENTILATION	Normal exterior application should not require the need for mechanical ventilation. Application should be made downwind from operator.	PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY PROTECTION	If needed, use an approved OSHA/NIOSH particulate and organic vapor canister respirator, or a positive atmosphere supplied air respirator as described in 29 CFR 1910.134.	DUST/ORGANIC VAPOR RESPIRATOR
EYE PROTECTION	Safety glasses are recommended when handling this material.	SAFETY GLASSES
SKIN PROTECTION	Flannel-lined Neoprene or Nitrile gloves are recommended.	CHEMICAL RESISTANT GLOVES
OTHER PPE	Rubber or leather footwear is recommended. All clothing saturated with this product should be discarded.	BOOTS

VII. FIRE AND EXPLOSION DATA

FLASH POINT >>200°F (Closed Cup)	AUTOIGNITION TEMPERATURE Not Applicable	LOWER FLAMMABLE LIMIT Not Applicable
EXTINGUISHING MEDIA If fire should occur, extinguish with foam, carbon dioxide or dry chemical extinguishers.		
SPECIAL FIRE FIGHTING PROCEDURES Fire fighters should wear full protective equipment and self-contained breathing apparatus.		
UNUSUAL FIRE AND EXPLOSION HAZARDS Water sprayed on burning product may cause frothing, steam, and eruptions. Closed containers may explode when exposed to extreme heat. Cool containers with water to prevent explosion due to extreme heat. Hot polymeric film can cause serious skin burns.		

VIII. REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY This material is considered stable. However, avoid temperatures above 350°F to prevent polymer decomposition.
INCOMPATIBILITY There are no known materials with are incompatible with this product.
HAZARDOUS DECOMPOSITION PRODUCTS Irritating or toxic vapors may be released when this material is burned. Thermal decomposition of this product may yield acrylic monomers.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION This product will not undergo polymerization.

ADVANTAGE CRACK FLEX BLACK MSDS, Page 3 of 4

IX. SPILL AND LEAK PROCEDURES

SPILL CONTROL PROCEDURE

Stop source of leak if possible. Dike and contain to eliminate environmental contamination. If material enters a waterway, notify police, local EPA and the National Response Center (1-800-424-8802).

NEUTRALIZING CHEMICALS

Bind small spills with fine aggregate, sand or lime. Pump large spills into holding vessel for subsequent disposal.

WASTE DISPOSAL

If disposal is necessary, contact your state environmental agency for guidance with disposal methods and waste receiving locations in your area.

X. SPECIAL PRECAUTIONS

ENVIRONMENTAL

- 1. Spills into water sources should be reported to 1-800-424-8802.**
- 2. If this product becomes a waste material, refer to 40 CFR 261.21 (RCRA) for latest waste disposal regulations and waste stream number.**
- 3. Chromium Compounds are listed in TSCA.**

LABELING

- 1. OSHA hazard label.**
- 2. This material is not regulated by the Department of Transportation.**
- 3. "Keep from Freezing" labels are recommended.**

XI. REFERENCES

This MSDS was assembled by incorporation of information provided by the manufacturers and suppliers of the raw materials, Title 29 of the Code of Federal Regulations, Title 40 of the Code of Federal Regulations, Title 49 of the Code of Federal Regulations, and results from physical chemical tests performed on this product.

NOTE: This material safety data sheet is intended as a source of information for persons involved in any and all phases of handling this material, from production to final application, as required by 29 CFR 1910.1200. The health data provided is based on the nature of the raw constituents. This material is a mixture and the health effects as such have not been evaluated.

XII. ENVIRONMENTAL INFORMATION

1. THIS PRODUCT CONTAINS THE FOLLOWING EXTREMELY HAZARDOUS SUBSTANCE(S)
(SECTION 302 AND 304):

COMPONENT	TPQ(LBS)	RQ(BLS)
N/A	N/A	N/A

FOLLOWING CERCLA HAZARDOUS SUBSTANCE(S)
(SECTION 302 AND 304):

COMPONENT	RQ(LBS)	WEIGHT %
Chromium Oxide	5,000	4.4

3. THIS PRODUCT HAS THE FOLLOWING HAZARDS (SECTION 311 AND 312):

	YES	NO
IMMEDIATE		X
DELAYED		X
FIRE		X
PRESSURE		X
REACTIVITY		X

4. THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS
(SECTION 313):

COMPONENT	CAS#	WEIGHT %
Chromium Oxide	1308-38-9	4.4

2. THIS PRODUCT CONTAINS THE

CARCINOGENITY: NTP IARC MONOGRAPHS OSHA
NO NO NO

The information provided in this material safety data sheet has been obtained and compiled from sources believed to be reliable. This information relates to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. Vance Brothers, Inc. does not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent.

VANCE BROTHERS, INC.

5201 BRIGHTON, KANSAS CITY, MO 64130 (816) 923-4325
3313 MOLINE STREET, AURORA, CO 80010 (303) 341-2604
4908 N BRYANT, OKLAHOMA CITY, OK 73121 (405) 427-1389
9306 E. 11TH, SUITE A, TULSA, OK 74112 (918) 833-2533
14021 AZURITE ST NW, RAMSEY, MN 55303 (612) 421-4034

DATE

January 15, 2007

PREPARED BY

Stan Fronckewicz