

# MATERIAL SAFETY DATA SHEET

## *Vance Brothers, Inc.*

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Emergency Phone Number (CHEMTREC): 800-424-9300

HMIS HAZARD RATING	
1	HEALTH
0	FIRE
0	REACTIVITY

### I. PRODUCT INFORMATION

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

### II. PHYSICAL DATA

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

### III. HAZARDOUS COMPONENTS

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

### IV. HEALTH HAZARD INFORMATION

EXPOSURE LIMITS	TLV/TWA <b>0.1 mg/m3</b>	TLV/STEL <b>Not Established</b>	TLV/PEL <b>0.1 mg/ m3</b>	ODOR THRESHOLD LIMIT <b>Not Applicable</b>
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**ROUTES OF EXPOSURE AND EFFECTS AS REQUIRED BY 29CFR1910.1200**

INHALATION	<b>The inhaling of vapor or spray mist may cause headache, irritation to nose and throat, dizziness, weakness and nausea.</b>
INGESTION	<b>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.</b>
SKIN ABSORPTION	<b>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.</b>
SKIN CONTACT	<b>Skin contact may cause irritation and dermatitis.</b>
EYE CONTACT	<b>Eye contact may cause corneal irritation.</b>
ACUTE OVEREXPOSURE <b>eye</b>	<b>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.</b>
CHRONIC OVEREXPOSURE <b>observed.</b> <b>exposure to this</b>	<b>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.</b>

**V. EMERGENCY AND FIRST AID PROCEDURES**

INHALATION	<b>If breathing is difficult, move person to fresh air or administer oxygen and seek prompt medical attention.</b>
INGESTION	<b>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!</b>
SKIN CONTACT	<b>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.</b>
EYE CONTACT	<b>Flush eyes with water for 15 minutes while holding eyelids open. If subject is wearing contact lenses, immediately seek an ophthalmologist for treatment.</b>

**VI. SPECIAL PROTECTION INFORMATION**

VENTILATION	<b>Normal exterior application should not require the need for mechanical ventilation. Application should be made downwind from operator.</b>	<b>PERSONAL PROTECTIVE EQUIPMENT</b>
RESPIRATORY PROTECTION	<b>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.</b>	<b>DUST/ORGANIC VAPOR RESPIRATOR</b>
EYE PROTECTION	<b>Safety glasses are recommended when handling this material.</b>	<b>SAFETY GLASSES</b>
SKIN PROTECTION	<b>Flannel-lined Neoprene or Nitrile gloves are recommended.</b>	<b>CHEMICAL RESISTANT GLOVES</b>
OTHER PPE	<b>Rubber or leather footwear is recommended. All clothing saturated with this product should be discarded.</b>	<b>BOOTS</b>

#### VII. FIRE AND EXPLOSION DATA

FLASH POINT <b>&gt;&gt;200°F (Closed Cup)</b>	AUTOIGNITION TEMPERATURE <b>Not Applicable</b>	LOWER FLAMMABLE LIMIT <b>Not Applicable</b>
EXTINGUISHING MEDIA <b>If fire should occur, extinguish with foam, carbon dioxide or dry chemical extinguishers.</b>		
SPECIAL FIRE FIGHTING PROCEDURES <b>Fire fighters should wear full protective equipment and self-contained breathing apparatus.</b>		
UNUSUAL FIRE AND EXPLOSION HAZARDS <b>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.</b>		

#### VIII. REACTIVITY DATA

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

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#### IX. SPILL AND LEAK PROCEDURES

SPILL CONTROL PROCEDURE
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**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.*

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DATE

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PREPARED BY

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