

SHEET # 194

AL14637A

MATERIAL SAFETY DATA SHEET
PRODUCT: Capture (R) Carpet Dry Cleaner
Advanced Formula

MSDS NUMBER C017
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MILLIKEN CHEMICAL
P.O. BOX 817, 1440 CAMPTON ROAD
INMAN SC 29349

PHONE NUMBERS:
EMERGENCY 1-803-472-9041
CHEMTREC 1-800-424-9300

CHEMICAL NAME	Capture (R) AF Carpet Dry Cleaner	HAZARD CODES
CHEMICAL FAMILY	Cleaning Mixture	HEALTH 1 FLAMMABILITY 0 REACTIVITY 0
SYNONYMS	Capture (R) Advanced Formula	HAZARD RATING
FORMULA	Proprietary Blend	4 SEVERE 3 SERIOUS 2 MODERATE 1 SLIGHT 0 MINIMAL
DOT CLASS	Non Regulated	

I. PHYSICAL DATA

BOILING POINT (F) Not Available	MOLECULAR WEIGHT Not Available	VAPOR PRESSURE (MM HG) Not Available
SP. GRAVITY Not Available	VAPOR DENSITY (AIR IS 1) Not Available	1 WATER SOLUBILITY 27
PCT VOLATILES BY WEIGHT AT 100C 25	EVAPORATION RATE (WATER IS 1) 1	

APPEARANCE AND ODOR: White powder, lemon fragrance.
Bulk Density: 0.60 g/cc.

II. HAZARDOUS INGREDIENTS

MATERIAL	CAS NBR	PCT	TLV (UNITS)
None			

IIA. NON-HAZARDOUS INGREDIENTS

MATERIAL	CAS NBR	PCT	TLV (UNITS)

AT&T

1491 4: 73342

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III. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): Not AvailablebF Not AvailablecC

AUTOIGNITION TEMPERATURE: Not Available

FLAMMABLE LIMITS IN AIR (PCT BY VOLUME): UPPER- Not Applicable
LOWER- Not Applicable

EXTINGUISHING MEDIA:
Use water, carbon dioxide, foam or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES:
Use water spray to cool fire exposed containers. Evacuate non-emergency personnel to a safe area. Avoid breathing smoke, fumes and decomposition products.
NO SPECIAL PROCEDURES REQUIRED.

UNUSUAL FIRE OR EXPLOSION HAZARDS:
As with all organic materials, finely divided dust may form flammable mixture.

IV. PHYSIOLOGICAL AND HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not Established

MEDIAN LETHAL DOSAGE: LD50, LC50 (SPECIES)
Not Available

EFFECTS OF OVEREXPOSURE:

EYES: Capture is a granular product; therefore, contact with eyes may cause irritation or tearing.

SKIN: Repeated or prolonged skin contact may cause dryness.

RESPIRATORY: Excess inhalation may cause coughing or sneezing.

V. EMERGENCY AND FIRST AID DATA

EYES: Immediately flush eyes with large amounts of water for 15 minutes. Contact a physician.

SKIN: Wash from skin; use a moisturizing cream if needed for dryness.

INGESTION: Give two glasses of water and contact a physician.
Never give anything by mouth to an unconscious person.

INHALATION: Move to fresh air if needed.

OTHER INSTRUCTIONS:
None

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VI. REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID:
Keep container closed

INCOMPATABILITY (MATERIALS TO BE AVOIDED):
Acids - reaction releases carbon dioxide

HAZARDOUS DECOMPOSITION PRODUCTS:
Heating to temperatures above 190 F will release Carbon dioxide.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID:
None

VII. SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE OF A RELEASE OR SPILL:
Sweep or vacuum up. Dusting may occur.

WASTE DISPOSAL METHOD(S):
Dispose of as non-hazardous waste in accordance with all applicable local, state, and federal regulations.

VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
Handle in the presence of adequate ventilation.

PROTECTIVE GLOVES:
Wear gloves for frequent use.

EYE PROTECTION:
Avoid direct eye contact.

OTHER PROTECTIVE EQUIPMENT:
None needed.

IX. SPECIAL PRECAUTIONS

Avoid ingestion.
In normal use, dusting does not occur. If dusting should occur, a mask can be used. Some persons sensitive to soap or detergents may show skin sensitivity; gloves can be used.

X. SPECIAL INFORMATION

This material and/or its components are listed under the Toxic Substances Control Act.

DATE PREPARED: 03JUN94
SUPERCEDES MSDS DATED: 12APR93

APPROVED BY: D. Michael Collins
Environmental Manager

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MILLIKEN HAZARD RATING SYSTEM

APPROVED: 10-20-92

Hazard Rating Charts

Hazard Rating Charts				PERSONAL PROTECTIVE EQUIPMENT
RATING	CATEGORY	HEALTH	FLAMMABILITY	REACTIVITY
0	MINIMAL HAZARD	NO SIGNIFICANT RISK TO HEALTH.	MATERIALS WHICH ARE NORMALLY STABLE AND WILL NOT BURN.	MATERIALS WHICH ARE NORMALLY STABLE, EVEN UNDER FIRE CONDITIONS, AND WHICH WILL NOT REACT WITH WATER.
1	SLIGHT HAZARD	IRRITATION OR MINOR REVERSIBLE INJURY POSSIBLE.	MATERIALS THAT MUST BE PREHEATED BEFORE IGNITION WILL OCCUR. FLAMMABLE LIQUIDS IN THIS CATEGORY WILL HAVE FLASH POINTS (THE LOWEST TEMPERATURE AT WHICH IGNITION WILL OCCUR) AT OR ABOVE 200°F.	MATERIALS WHICH ARE NORMALLY STABLE, BUT CAN BECOME UNSTABLE AT HIGH TEMPERATURES AND PRESSURES. THESE MATERIALS MAY REACT WITH WATER, BUT WILL NOT RELEASE ENERGY VIOLENTLY.
2	MODERATE HAZARD	TEMPORARY OR MINOR INJURY MAY OCCUR.	MATERIAL WHICH MUST BE MODERATELY HEATED BEFORE IGNITION WILL OCCUR, INCLUDING FLAMMABLE LIQUIDS WITH FLASH POINTS AT OR ABOVE 100°F AND BELOW 200°F.	MATERIALS WHICH IN THEMSELVES ARE NORMALLY UNSTABLE AND WILL READILY UNDERGO VIOLENT CHEMICAL CHANGE, BUT WILL NOT DETONATE. THESE MATERIALS MAY ALSO REACT VIOLENTLY WITH WATER.
3	SERIOUS HAZARD	MAJOR INJURY LIKELY UNLESS PROMPT ACTION IS TAKEN AND MEDICAL TREATMENT IS GIVEN.	MATERIALS CAPABLE OF IGNITION UNDER AT MOST ALL NORMAL TEMPERATURE CONDITIONS, INCLUDING FLAMMABLE LIQUIDS WITH FLASH POINTS BELOW 73°F AND BOILING POINTS AT OR ABOVE 100°F AS WELL AS LIQUIDS WITH FLASH POINTS AT OR ABOVE 73°F AND BELOW 100°F.	MATERIALS WHICH ARE CAPABLE OF DETONATION OR EXPLOSIVE REACTION, BUT REQUIRE A STRONG INITIATING SOURCE, OR MUST BE HEATED UNDER CONFINEMENT BEFORE INITIATION, OR MATERIALS WHICH REACT EXPLOSIVELY WITH WATER.
4	SEVERE HAZARD	LIFE THREATENING MAJOR OR PERMANENT DAMAGE MAY RESULT FROM SINGLE OR REPEATED EXPOSURES.	VERY FLAMMABLE GASES OR VERY VOLATILE FLAMMABLE LIQUIDS WITH FLASH POINTS BELOW 73°F AND BOILING POINTS BELOW 100°F.	THESE MATERIALS ARE READILY CAPABLE OF DETONATION OR EXPLOSIVE DECOMPOSITION AT NORMAL TEMPERATURES AND PRESSURES.

ABBREVIATIONS:

GO = GOGGLES
 GL = GLOVES
 DM = DUST MASK
 SG = SAFETY GLASSES
 CR = CANNISTER RESPIRATOR
 RS = RAIN SUIT
 FS = FACESHIELD
 DR = DISPOSABLE RESPIRATOR
 RB = RUBBER BOOTS
 SAR = SUPPLIED AIR-RESPIRATOR

PERSONAL PROTECTIVE EQUIPMENT CODES:
 A = NO SPECIAL EQUIPMENT
 B = GO, GL
 C = DM, SG
 D = GO, GL, DR
 E = GO, GL, DM
 F = GO, GL, CR
 G = GO, GL, CR, RS
 H = GO, GL, RS, FS, RB
 I = GO, GL, DR, RS, FS
 J = GO, GL, DR, RS, FS, RB
 K = GO, GL, SAR, RS, RB
 Z = SEE SUPERVISOR FOR INFORMATION

THESE PERSONAL PROTECTIVE EQUIPMENT CODES ADDRESS ONLY AMBIENT TEMPERATURE CONDITIONS. HOT (GREATER THAN 120 DEGREES FAHRENHEIT) OR VERY COLD (LESS THAN ZERO DEGREES FAHRENHEIT) MATERIALS WILL REQUIRE OTHER PERSONAL PROTECTIVE EQUIPMENT AS DESCRIBED ON THE BATCH SHEET.
 SAFETY GLASSES WITH SIDE SHIELDS, HARD HAT, AND SAFETY SHOES MUST BE WORN IN ANY AREA WHERE THEY ARE REQUIRED BY MILLIKEN'S CHEMICAL MANUFACTURING SAFETY RULES.