

FLO-KEM, INC.
19402 SUSANA RD.
RANCHO DOMINGUEZ, CA 90221
EMERGENCY TEL. NO. 213-632-7124

MATERIAL SAFETY DATA SHEET
ESSENTIALLY SIMILAR TO FORM OSHA 174

SECTION I. IDENTIFICATION OF PRODUCT

IDENTITY: CARPET CLNR

MSDS NUMBER: 340

DATE PREPARED: 1-1-90

REVISION: 1

HAZARD RATING:

4 = EXTREME	1 = SLIGHT
3 = HIGH	0 = INSIGNIFICANT
2 = MODERATE	* = SEE SECTION IV

TOXICITY: 1

RE: 0

REACTIVITY: 0

SPECIAL:

SECTION II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL
IDENTITY-COMMON NAME(S):

S-ETHYLENE GLYCOL N-BUTYL ETHER

CAS NUMBER: 111762

OSHA PEL: 25PPM

ACGIH TLV: TWA 25PPM

OTHER LIMITS RECOMMENDED:

% (OPTIONAL):

SECTION III. PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 212 F

VAPOR PRESSURE (MM HG.): NA

VAPOR DENSITY (AIR = 1): NA

SOLUBILITY IN WATER: COMPLETE

APPEARANCE: CLEAR YELLOW GREEN LIQUID

ODOR:

SPECIFIC GRAVITY (H2O=1): 1.09

MELTING POINT: NA

EVAPORATION RATE

(BUTYL ACETATE = 1): APPROX 1

PH @ 77 F: 13.2

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: USE ANY APPROPRIATE MEDIUM TO EXTINGUISH SURROUNDING FIRE
SPECIAL FIRE FIGHTING PROCEDURES: USE WATER SPRAY TO COOL NEARBY CONTAINERS
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V. HEALTH HAZARD DATA

ROUTE(S) OF ENTRY: INHALATION? EYES? X SKIN? X INGESTION? X
(ACUTE) HEALTH HAZARDS:

EYES: CONTACT WITH THE EYES WILL CAUSE EYE IRRITATION

SKIN: CONTACT WITH THE SKIN WILL CAUSE SKIN IRRITATION

INGESTION: SWALLOWING MAY CAUSE IRRITATION TO THE THROAT, MOUTH, AND
DIGESTIVE TRACT ACCOMPANIED BY NAUSEA AND VOMITING.

INHALATION: PROLONGED EXPOSURE TO VAPORS IN POORLY VENTILATED AREAS MAY CAUSE
IRRITATION OF THE MUCOUS MEMBRANES OF THE RESPIRATORY TRACT.

(CHRONIC) HEALTH HAZARDS:
NONE CURRENTLY KNOWN

SIGNS AND SYMPTOMS OF EXPOSURE:

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
NONE CURRENTLY KNOWN

EMERGENCY AND FIRST AID PROCEDURES:

EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER. IF IRRITATION OCCURS OR PERSISTS
OBTAIN MEDICAL ATTENTION.

SKIN: WASH OFF WITH WATER. IF IRRITATION OCCURS OR PERSISTS, OBTAIN MEDICAL
ATTENTION.

INGESTION: GIVE TWO GLASSES OF WATER. DO NOT INDUCE VOMITING. HAVE MEDICAL
PERSONNEL DETERMINE IF EVACUATION OF THE STOMACH IS NECESSARY. DO NOT GIVE
ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

INHALATION: IF INHALED, REMOVE TO FRESH AIR. OBTAIN MEDICAL ATTENTION IF
RESPIRATORY IRRITATION OCCURS OR IF BREATHING BECOMES DIFFICULT.

SECTION VI. TOXICITY DATA

CARCINOGENICITY: NO NTP? IARC MONOGRAPHS? OSHA REGULATED?

ORAL:
Dermal:

INHALATION:

SECTION VII. REACTIVITY DATA

UNSTABLE:
STABLE: X

CONDITIONS TO AVOID:

COMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS, OXIDIZING MATERIALS

HAZARDS DECOMPOSITION OR BYPRODUCTS: NO

HAZARDOUS POLYMERIZATION - MAY OCCUR:
WILL NOT OCCUR: X
CONDITIONS TO AVOID:

SECTION VIII. PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILLS: MOP OR WIPE UP EXCESS MATERIAL. FLUSH SPILL AREA WITH WATER TO REMOVE ANY RESIDUE.

FOR LARGE SPILLS: DIKE MATERIAL TO PREVENT RUN-OFF. ABSORB SPILL WITH ABSORBENT MATERIAL AND PLACE IN SUITABLE CONTAINER OR PICK UP WITH VACUUM TRUCK. FLUSH SPILL AREA WITH WATER TO REMOVE ANY RESIDUE. NOTIFY LOCAL, STATE AND FEDERAL OFFICIALS AS REQUIRED.

WASTE DISPOSAL METHOD:

MATERIAL THAT CANNOT BE USED OR CHEMICALLY REPROCESSED SHOULD BE DISPOSED OF AT AN APPROVED FACILITY IN ACCORDANCE WITH ANY APPLICABLE REGULATIONS UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT.

NOTE: STATE AND LOCAL REGULATIONS MAY BE MORE STRINGENT THAN FEDERAL.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

PROTECT FROM FREEZING. STORE IN A COOL, DRY PLACE. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE

OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY

SECTION IX. CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): GOOD ROOM VENTILATION REQUIRED

VENTILATION: NA

LOCAL EXHAUST: NA

MECHANICAL (GENERAL): IN CONFINED AREAS

SPECIAL: NA

OTHER:

PROTECTIVE GLOVES: RUBBER OR PLASTIC

EYE PROTECTION: FULL FACE SHEILD

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: EYE WASH

WORK/HYGIENIC PRACTICES:

A LACK OF GOOD ROOM VENTILATION MAY REQUIRE A MECHANICAL EXHAUST VENTILATION CAPABLE OF MAINTAINING EMISSIONS AT THE POINT OF USE BELOW THE PEL. THE RECOMMENDATIONS DESCRIBED IN THIS SECTION ARE PROVIDED AS GENERAL GUIDANCE FOR MINIMIZING EXPOSURE WHEN HANDLING THIS PRODUCT. BECAUSE USE CONDITIONS WILL VARY, DEPENDING UPON CUSTOMER APPLICATIONS, SPECIFIC SAFE HANDLING PROCEDURES SHOULD BE DEVELOPED BY PERSONS KNOWLEDGEABLE OF THE INTENDED USE CONDITIONS AND EQUIPMENT.

SECTION X. DOT HAZARDOUS INFORMATION

UN/NA:

CLASSIFICATION:

PROPER SHIPPING NAME:

PHOTO CHEMICALLY REACTIVE? ----- %

NON-PHOTO CHEMICALLY REACTIVE? -----

<4% ----- >4% -----

SECTION XI. MISCELLANEOUS INFORMATION

NONE

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NOTICE

ALL INFORMATION, RECOMMENDATIONS, AND SUGGESTIONS APPEARING HEREIN CONCERNING THIS PRODUCT ARE BASED UPON DATA OBTAINED FROM THE MANUFACTURER AND/OR RECOGNIZED TECHNICAL SOURCES; HOWEVER, FLO-KEM, INC. MAKES NO WARRANTY, REPRESENTATION OR GUARANTY AS TO THE ACCURACY, SUFFICIENCY OR COMPLETENESS OF THE MATERIAL SET FORTH HEREIN. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SAFETY, TOXICITY AND SUITABILITY HIS OWN USE, HANDLING AND DISPOSAL OF THE PRODUCT. ADDITIONAL PRODUCT LITERATURE MAY BE AVAILABLE UPON REQUEST. SINCE ACTUAL USE BY OTHERS IS BEYOND OUR CONTROL, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE BY FLO-KEM, INC. AS TO THE EFFECTS OF SUCH USE, THE RESULTS TO BE OBTAINED OR THE SAFETY AND TOXICITY OF THE PRODUCT, NOR DOES FLO-KEM, INC. ASSUME ANY LIABILITY ARISING OUT OF USE BY OTHERS OF THE PRODUCT.

NA - NOT APPLICABLE

S - MAY BE ABSORBED THROUGH INTACT SKIN

ND - NO DATA AVAILABLE