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MSDS

Common Name: SCOTCHGARD PRETREATMENT CLEANER (CONCENTRATE) (PRODUCT NO. 28, TWIST'N FILL SYST

Manufacturer: 3M

MSDS Revision Date: 7/23/2008

Grainger Item Number(s): 4DE38

Manufacturer Model Number(s):

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MATERIAL SAFETY DATA SHEET

SCOTCHGARD(TM) PRETREATMENT CLEANER (CONCENTRATE)
(PRODUCT NO. 28, TWIST 'N FILL(TM) SYSTEM)

07/23/2008

3M

MATERIAL SAFETY DATA SHEET

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION



PRODUCT NAME:
SCOTCHGARD(TM) PRETREATMENT CLEANER (CONCENTRATE)
(PRODUCT NO. 28, TWIST 'N FILL(TM) SYSTEM)

MANUFACTURER: 3M

DIVISION: BUILDING & COMMERCIAL SERVICES DIVISION

ADDRESS:
3M CENTER
ST. PAUL, MN 55144-1000

EMERGENCY PHONE: 1-800-364-3577 OR (651) 737-6501 (24 HOURS)

ISSUE DATE: 07/23/2008

SUPERCEDES DATE: 04/27/2005

DOCUMENT GROUP: 19-8427-7

PRODUCT USE:
INTENDED USE: CARPET CARE
SPECIFIC USE: HEAVY-DUTY, CONCENTRATED CLEANER FOR HEAVILY SOILED CARPETS.

SECTION 2: INGREDIENTS



INGREDIENT	C.A.S. NO.	% BY WT
WATER	7732-18-5	60 - 90
1-PROPOXY-2-PROPANOL	1569-01-3	3 - 7
NON-IONIC SURFACTANT (NJTSRN 04499600-6640)	TRADE SECRET	3 - 7
SODIUM CITRATE	68-04-2	1 - 5
ANIONIC SURFACTANT (NJTSRN 04499600-6671)	TRADE SECRET	1 - 5
TRIPROPYLENE GLYCOL METHYL ETHER	25498-49-1	1 - 5

SECTION 3: HAZARDS IDENTIFICATION



3.1 EMERGENCY OVERVIEW:

ODOR, COLOR, GRADE: CLEAR, COLORLESS LIQUID, MILD CHEMICAL ODOR

GENERAL PHYSICAL FORM: LIQUID

IMMEDIATE HEALTH, PHYSICAL, AND ENVIRONMENTAL HAZARDS:
MAY CAUSE TARGET ORGAN EFFECTS.

3.2 POTENTIAL HEALTH EFFECTS:

EYE CONTACT:
MILD EYE IRRITATION: SIGNS/SYMPTOMS MAY INCLUDE REDNESS, PAIN, AND TEARING.

SKIN CONTACT:
MILD SKIN IRRITATION:
SIGNS/SYMPTOMS MAY INCLUDE LOCALIZED REDNESS, SWELLING, AND ITCHING.

INHALATION:**RESPIRATORY TRACT IRRITATION:**

SIGNS/SYMPTOMS MAY INCLUDE COUGH, SNEEZING, NASAL DISCHARGE, HEADACHE, HOARSENESS, AND NOSE AND THROAT PAIN.

MAY BE ABSORBED FOLLOWING INHALATION AND CAUSE TARGET ORGAN EFFECTS.

INGESTION:**GASTROINTESTINAL IRRITATION:**

SIGNS/SYMPTOMS MAY INCLUDE ABDOMINAL PAIN, STOMACH UPSET, NAUSEA, VOMITING AND DIARRHEA.

TARGET ORGAN EFFECTS:**CENTRAL NERVOUS SYSTEM (CNS) DEPRESSION:**

SIGNS/SYMPTOMS MAY INCLUDE HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, NAUSEA, SLOWED REACTION TIME, SLURRED SPEECH, GIDDINESS, AND UNCONSCIOUSNESS.

SECTION 4: FIRST AID MEASURES**4.1 FIRST AID PROCEDURES:**

THE FOLLOWING FIRST AID RECOMMENDATIONS ARE BASED ON AN ASSUMPTION THAT APPROPRIATE PERSONAL AND INDUSTRIAL HYGIENE PRACTICES ARE FOLLOWED.

EYE CONTACT:

FLUSH EYES WITH LARGE AMOUNTS OF WATER. IF SIGNS/SYMPTOMS PERSIST, GET MEDICAL ATTENTION.

SKIN CONTACT:

WASH AFFECTED AREA WITH SOAP AND WATER. IF SIGNS/SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.

INHALATION:

REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS DEVELOP, GET MEDICAL ATTENTION.

IF SWALLOWED:

DO NOT INDUCE VOMITING UNLESS INSTRUCTED TO DO SO BY MEDICAL PERSONNEL. GIVE VICTIM TWO GLASSES OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION.

SECTION 5: FIRE FIGHTING MEASURES**5.1 FLAMMABLE PROPERTIES:**

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLASH POINT: >200 DEG. F (TEST METHOD: CLOSED CUP)

FLAMMABLE LIMITS - LEL: NO DATA AVAILABLE

FLAMMABLE LIMITS - UEL: NO DATA AVAILABLE

OSHA FLAMMABILITY CLASSIFICATION: CLASS IIIB COMBUSTIBLE LIQUID

5.2 EXTINGUISHING MEDIA:

MATERIAL WILL NOT BURN. ORDINARY COMBUSTIBLE MATERIAL. USE FIRE EXTINGUISHERS WITH CLASS A EXTINGUISHING AGENTS (E.G., WATER, FOAM).

5.3 PROTECTION OF FIRE FIGHTERS:

SPECIAL FIRE FIGHTING PROCEDURES: NONFLAMMABLE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NOT APPLICABLE.

NOTE:

SEE STABILITY AND REACTIVITY (SECTION 10) FOR HAZARDOUS COMBUSTION AND THERMAL DECOMPOSITION INFORMATION.

SECTION 6: ACCIDENTAL RELEASE MEASURES



ACCIDENTAL RELEASE MEASURES:

OBSERVE PRECAUTIONS FROM OTHER SECTIONS. CALL 3M- HELPS LINE (1-800-364-3577) FOR MORE INFORMATION ON HANDLING AND MANAGING THE SPILL. EVACUATE UNPROTECTED AND UNTRAINED PERSONNEL FROM HAZARD AREA. THE SPILL SHOULD BE CLEANED UP BY QUALIFIED PERSONNEL. VENTILATE THE AREA WITH FRESH AIR. CONTAIN SPILL. FOR LARGER SPILLS, COVER DRAINS AND BUILD DIKES TO PREVENT ENTRY INTO SEWER SYSTEMS OR BODIES OF WATER. WORKING FROM AROUND THE EDGES OF THE SPILL INWARD, COVER WITH BENTONITE, VERMICULITE, OR COMMERCIALY AVAILABLE INORGANIC ABSORBENT MATERIAL. MIX IN SUFFICIENT ABSORBENT UNTIL IT APPEARS DRY. COLLECT AS MUCH OF THE SPILLED MATERIAL AS POSSIBLE. CLEAN UP RESIDUE WITH WATER. PLACE IN A CLOSED CONTAINER APPROVED FOR TRANSPORTATION BY APPROPRIATE AUTHORITIES. DISPOSE OF COLLECTED MATERIAL AS SOON AS POSSIBLE.

IN THE EVENT OF A RELEASE OF THIS MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS REPORTABLE ACCORDING TO LOCAL, STATE, AND FEDERAL REGULATIONS.

SECTION 7: HANDLING AND STORAGE



7.1 HANDLING:

KEEP OUT OF THE REACH OF CHILDREN. THIS PRODUCT IS NOT INTENDED TO BE USED WITHOUT PRIOR DILUTION AS SPECIFIED ON THE PRODUCT LABEL. AVOID BREATHING OF VAPORS, MISTS OR SPRAY. AVOID PROLONGED OR REPEATED SKIN CONTACT. AVOID EYE CONTACT WITH VAPORS, MISTS, OR SPRAY. DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER.

7.2 STORAGE: KEEP CONTAINER IN WELL-VENTILATED AREA.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION



8.1 ENGINEERING CONTROLS: USE IN A WELL-VENTILATED AREA.

NOTE:

WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWIST 'N FILL(TM) CHEMICAL DISPENSER, SPECIAL VENTILATION IS NOT REQUIRED.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE):

8.2.1 EYE/FACE PROTECTION: AVOID EYE CONTACT WITH VAPORS, MISTS, OR SPRAY.

NOTE:

WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWIST 'N FILL(TM) CHEMICAL DISPENSER, EYE CONTACT WITH THE CONCENTRATE IS NOT EXPECTED TO OCCUR.

IF THE PRODUCT IS NOT USED WITH THE TWIST 'N FILL SYSTEM OR IF THERE IS AN ACCIDENTAL RELEASE, THE FOLLOWING EYE PROTECTION IS RECOMMENDED: SAFETY GLASSES WITH SIDE SHIELDS, INDIRECT VENTED GOGGLES.

8.2.2 SKIN PROTECTION:

AVOID PROLONGED OR REPEATED SKIN CONTACT. GLOVES NOT NORMALLY REQUIRED.

NOTE:

WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWIST 'N FILL(TM) CHEMICAL DISPENSER, SKIN CONTACT WITH THE CONCENTRATE IS NOT EXPECTED TO OCCUR.

IF THE PRODUCT IS NOT USED WITH THE TWIST 'N FILL SYSTEM OR IF THERE IS AN ACCIDENTAL RELEASE, SELECT AND USE GLOVES AND/OR PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT BASED ON THE RESULTS OF AN EXPOSURE ASSESSMENT. CONSULT WITH YOUR GLOVE AND/OR PROTECTIVE CLOTHING MANUFACTURER FOR SELECTION OF APPROPRIATE COMPATIBLE MATERIALS. GLOVES MADE FROM THE FOLLOWING MATERIAL IS RECOMMENDED: BUTYL RUBBER

8.2.3 RESPIRATORY PROTECTION: AVOID BREATHING OF VAPORS, MISTS OR SPRAY.

NOTE:

WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWIST 'N FILL(TM) CHEMICAL DISPENSER, RESPIRATORY PROTECTION IS NOT REQUIRED.

IF THE PRODUCT IS NOT USED WITH THE TWIST 'N FILL SYSTEM OR IF THERE IS AN ACCIDENTAL RELEASE, SELECT ONE OF THE FOLLOWING NIOSH APPROVED RESPIRATORS BASED ON AIRBORNE CONCENTRATION OF CONTAMINANTS AND IN ACCORDANCE WITH OSHA REGULATIONS:

FULLFACE AIR-PURIFYING RESPIRATOR WITH ORGANIC VAPOR CARTRIDGES. CONSULT THE CURRENT 3M RESPIRATORY SELECTION GUIDE FOR ADDITIONAL INFORMATION OR CALL 1-800-243-4630 FOR 3M TECHNICAL ASSISTANCE.

8.2.4 PREVENTION OF SWALLOWING:

DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED AREAS THOROUGHLY WITH SOAP AND WATER.

8.3 EXPOSURE GUIDELINES: NONE ESTABLISHED

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES



ODOR, COLOR, GRADE: CLEAR, COLORLESS LIQUID, MILD CHEMICAL ODOR

GENERAL PHYSICAL FORM: LIQUID

AUTOIGNITION TEMPERATURE: NOT APPLICABLE

FLASH POINT: >200 DEG. F (TEST METHOD: CLOSED CUP)

FLAMMABLE LIMITS - LEL: NO DATA AVAILABLE

FLAMMABLE LIMITS - UEL: NO DATA AVAILABLE

BOILING POINT: >200 DEG. F

DENSITY: 1.09 G/ML

VAPOR DENSITY: NO DATA AVAILABLE.

VAPOR PRESSURE: <27 MMHg (@ 131 DEG. F)

SPECIFIC GRAVITY: APPROXIMATELY 1.1 (REF STD: WATER=1)

pH: 7 - 9

MELTING POINT: NO DATA AVAILABLE

SOLUBILITY IN WATER: COMPLETE

VOLATILE ORGANIC COMPOUNDS:

3 - 7 % (TEST METHOD: CALCULATED PER CARB TITLE 2)

VOC LESS H2O & EXEMPT SOLVENTS:

180 - 500 G/L (TEST METHOD: CALCULATED PER CARB TITLE 2)

VISCOSITY: <10 CENTIPOISE

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE.

MATERIALS AND CONDITIONS TO AVOID: NONE KNOWN

HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

SUBSTANCE	CONDITION
CARBON MONOXIDE	NOT SPECIFIED
CARBON DIOXIDE	NOT SPECIFIED

SECTION 11: TOXICOLOGICAL INFORMATION

PLEASE CONTACT THE ADDRESS LISTED IN SECTION 1 OF THIS MSDS FOR TOXICOLOGICAL INFORMATION ON THIS MATERIAL AND/OR ITS COMPONENTS.

SECTION 12: ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION:**

A 3M PRODUCT ENVIRONMENTAL DATA SHEET (PED) IS AVAILABLE.

CHEMICAL FATE INFORMATION:

A 3M PRODUCT ENVIRONMENTAL DATA SHEET (PED) IS AVAILABLE.

SECTION 13: DISPOSAL CONSIDERATIONS**WASTE DISPOSAL METHOD:**

DISCHARGE SPENT SOLUTIONS AND SMALL QUANTITIES (LESS THAN 5 GAL.(19 L)) TO A WASTEWATER TREATMENT SYSTEM. AS A DISPOSAL ALTERNATIVE, DISPOSE OF WASTE PRODUCT IN A FACILITY PERMITTED TO ACCEPT CHEMICAL WASTE.

EPA HAZARDOUS WASTE NUMBER (RCRA): NOT REGULATED

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL.

SECTION 14: TRANSPORT INFORMATION

ID NUMBER	UPC
70-0712-8522-8	000-48011-34858-2

70-0712-8523-6

000-48011-34859-9

NOT REGULATED PER U.S. DOT, IATA OR IMO.

THESE TRANSPORTATION CLASSIFICATIONS ARE PROVIDED AS A CUSTOMER SERVICE. AS THE SHIPPER YOU REMAIN RESPONSIBLE FOR COMPLYING WITH ALL APPLICABLE LAWS AND REGULATIONS, INCLUDING PROPER TRANSPORTATION CLASSIFICATION AND PACKAGING. 3M'S TRANSPORTATION CLASSIFICATIONS ARE BASED ON PRODUCT FORMULATION, PACKAGING, 3M POLICIES AND 3M'S UNDERSTANDING OF APPLICABLE CURRENT REGULATIONS. 3M DOES NOT GUARANTEE THE ACCURACY OF THIS CLASSIFICATION INFORMATION. THIS INFORMATION APPLIES ONLY TO TRANSPORTATION CLASSIFICATION AND NOT THE PACKAGING, LABELING, OR MARKING REQUIREMENTS. THE ORIGINAL 3M PACKAGE IS CERTIFIED FOR U.S. GROUND SHIPMENT ONLY. IF YOU ARE SHIPPING BY AIR OR OCEAN, THE PACKAGE MAY NOT MEET APPLICABLE REGULATORY REQUIREMENTS.

SECTION 15: REGULATORY INFORMATION



US FEDERAL REGULATIONS:

311/312 HAZARD CATEGORIES:

FIRE HAZARD: NO

PRESSURE HAZARD: NO

REACTIVITY HAZARD: NO

IMMEDIATE HAZARD: YES

DELAYED HAZARD: NO

STATE REGULATIONS:

CHEMICAL INVENTORIES:

THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE CHEMICAL NOTIFICATION REQUIREMENTS OF TSCA.

ALL APPLICABLE CHEMICAL INGREDIENTS IN THIS MATERIAL ARE LISTED ON THE EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS), OR ARE EXEMPT POLYMERS WHOSE MONOMERS ARE LISTED ON EINECS.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES.

ALL THE COMPONENTS OF THIS PRODUCT ARE LISTED ON CHINA'S INVENTORY OF CHEMICAL SUBSTANCES.

THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH NOTIFICATION REQUIREMENTS IN THE PHILIPPINES.

THE COMPONENTS OF THIS PRODUCT ARE LISTED ON THE CANADIAN DOMESTIC SUBSTANCES LIST.

INTERNATIONAL REGULATIONS:

THIS MSDS HAS BEEN PREPARED TO MEET THE U.S. OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION



NFPA HAZARD CLASSIFICATION:

HEALTH 2

FLAMMABILITY 1

REACTIVITY 0

SPECIAL HAZARDS NONE

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS ARE DESIGNED FOR USE BY EMERGENCY RESPONSE PERSONNEL TO ADDRESS THE HAZARDS THAT ARE PRESENTED BY SHORT-TERM, ACUTE EXPOSURE TO A MATERIAL UNDER CONDITIONS OF FIRE, SPILL, OR SIMILAR EMERGENCIES. HAZARD RATINGS ARE PRIMARILY BASED ON THE INHERENT PHYSICAL AND TOXIC PROPERTIES OF THE MATERIAL BUT ALSO INCLUDE THE TOXIC PROPERTIES OF COMBUSTION OR DECOMPOSITION PRODUCTS THAT ARE KNOWN TO BE GENERATED IN SIGNIFICANT QUANTITIES.

HMIS HAZARD CLASSIFICATION:

HEALTH 2
FLAMMABILITY 1
REACTIVITY 0
PROTECTION X - SEE PPE SECTION.

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS(R*)) HAZARD RATINGS ARE DESIGNED TO INFORM EMPLOYEES OF CHEMICAL HAZARDS IN THE WORKPLACE. THESE RATINGS ARE BASED ON THE INHERENT PROPERTIES OF THE MATERIAL UNDER EXPECTED CONDITIONS OF NORMAL USE AND ARE NOT INTENDED FOR USE IN EMERGENCY SITUATIONS. HMIS(R*) RATINGS ARE TO BE USED WITH A FULLY IMPLEMENTED HMIS(R*) PROGRAM. HMIS(R*) IS A REGISTERED MARK OF THE NATIONAL PAINT AND COATINGS ASSOCIATION (NPCA).

REVISION CHANGES:

SECTION 1: PRODUCT USE INFORMATION WAS MODIFIED.

SECTION 1: DIVISION NAME WAS MODIFIED.

COPYRIGHT WAS MODIFIED.

SECTION 3: POTENTIAL EFFECTS FROM EYE CONTACT WAS MODIFIED.

SECTION 3: POTENTIAL EFFECTS FROM SKIN CONTACT INFORMATION WAS MODIFIED.

SECTION 3: POTENTIAL EFFECTS FROM INGESTION INFORMATION WAS MODIFIED.

SECTION 7: HANDLING INFORMATION WAS MODIFIED.

SECTION 8: ENGINEERING CONTROLS INFORMATION WAS MODIFIED.

SECTION 8: SKIN PROTECTION PHRASE WAS MODIFIED.

SECTION 10: HAZARDOUS DECOMPOSITION OR BY-PRODUCTS TABLE WAS MODIFIED.

SECTION 4: FIRST AID FOR SKIN CONTACT - DECONTAMINATION - WAS MODIFIED.

SECTION 4: FIRST AID FOR SKIN CONTACT - MEDICAL ASSISTANCE - WAS MODIFIED.

SECTION 15: INVENTORIES INFORMATION WAS MODIFIED.

SECTION 9: PROPERTY DESCRIPTION FOR OPTIONAL PROPERTIES WAS MODIFIED.

SECTION 14: ID NUMBER(S) AND/OR UPC(S) TEMPLATE 1 WAS ADDED.

SECTION 2: INGREDIENT TABLE WAS ADDED.

SECTION 8: EXPOSURE GUIDELINES INFORMATION - NONE - WAS ADDED.

SECTION 4:

FIRST AID FOR SKIN CONTACT - TERMINATION OF EXPOSURE - WAS DELETED.

SECTION 4: FIRST AID FOR SKIN CONTACT - HANDLING - WAS DELETED.

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