MSDS: A0452

12 RTC 051 ITEM: 4HN94

ORDER: 0075743298

MATERIAL SAFETY DATA SHEET (MSDS)

APR 0 9 2001

DROP LOCATION: L2-293

This MSDS should be attached or kept with the respective product with which it is associated.

I IIIS MSDS STIULIU DE ALLACITEU DI REPLANTITI CHE l'ESPECCITE PLUGGES THE L'ANDIENT DE SISSEMBLE DE SISSEMBL

Associated Grainger Items

4HN94, 4HN95

MATERIAL SAFETY

3M

DATA SHEET

3M CENTER

ST. PAUL, MINNESOTA

55144-1000

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

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DIVISION: COMMERCIAL CARE DIVISION

TRADE NAME:

3M BRAND QUAT DISINFECTANT CLEANER CONCENTRATE

(PRODUCT NO. 5. TWIST ÉN FILL (TM) SYSTEM)

ID NUMBER/U.P.C.:

 70-0705-2687-9
 00-48011-19158-9
 70-0705-2688-7
 00-48011-19159-6

 70-0705-4317-1
 00-48011-19206-7
 70-0705-4318-9
 00-48011-19207-4

 70-0705-8962-0
 00-48011-19965-3
 70-0705-8963-8
 00-48011-19966-0

 70-0707-1405-3
 00-48011-20793-8
 70-0707-1406-1
 00-48011-23219-3

 70-0707-2962-2
 00-48011-23220-6
 70-0707-2963-0
 00-48011-23221-3

ISSUED: JANUARY 21, 1998

SUPERSEDES: DECEMBER 08, 1997

DOCUMENT: 06-1685-4

1. INGREDIENT	C.A.S. NO. PERCENT						
***************************************		-		-			
WATER	7732-18-5	60	- 70				
ALKYL (C-14 50%, C-12 40%, C-16 10%)							
DIMETHYL BENZYL AMMONIUM CHLORIDE	68424-85-1		8.7				
OCTYLDECYLDIMETHYLAMMONIUM CHLORIDE	32426-11-2		6.5				
nonylphenoxypoly (oxyethylene) ethanol	9016-45-9	5	- 10				
ETHYL ALCOHOL	64-17-5	1	- 5				
DIDECYLDIMETHYLAMMONIUM CHLORIDE	7173-51-5		3.9				
ETHYLENEDIAMINETETRAACETIC ACID							
TETRASODIUM SALT	64-02-8	1	- 5				
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	5538-94-3		2.6				
SODIUM METASILICATE	6834-92-0	1	- 5				
FRAGRANCE	UNKNOWN	0.5	- 1.5				
DYE	UNKNOWN		< .1				
HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.							
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							

ABBREVIATIONS: N/D - NOT DETERMINED N/A - NOT APPLICABLE CA - APPROXIMATELY

MSDS: 3M BRAND QUAT DISINFECTANT CLEANER CONCENTRATE

PHYSICAL AND HEALTH HAZARDS, RESPIRATORY PROTECTION, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT. VENTILATE AREA. EXTINGUISH ALL

IGNITION SOURCES. CONTAIN SPILL. EVACUATE UNPROTECTED PERSONNEL FROM HAZARD AREA. COVER WITH INORGANIC ABSORBENT MATERIAL. DILUTE IN A LARGE EXCESS OF WATER. CAREFULLY, AND WITH STIRRING, ADD APPROPRIATE DILUTE ACID SUCH AS SULFAMIC ACID OR VINEGAR. CONFIRM NEUTRALITY. COLLECT USING NON-SPARKING TOOLS. CLEAN UP RESIDUE WITH WATER. PLACE IN A POLYETHYLENE-LINED METAL CONTAINER. DO NOT SEAL

RECOMMENDED DISPOSAL:

INCINERATE IN A PERMITTED HAZARDOUS WASTE INCINERATOR. COMBUSTION

ENVIRONMENTAL DATA:

A PRODUCT ENVIRONMENTAL DATA SHEET (PED) IS AVAILABLE.

THIS PRODUCT IS A DISINFECTANT; IT IS TOXIC TO MICROORGANISMS. CARE
MUST BE TAKEN TO AVOID IMPROPER DISPOSAL OR RELEASE TO THE
ENVIRONMENT. WHEN PROPERLY HANDLED, USE OF THIS PRODUCT IS EXPECTED
TO HAVE MINIMAL ENVIRONMENTAL IMPACT. MOST COMPONENTS OF THIS
PRODUCT WILL EVENTUALLY DEGRADE IN THE ENVIRONMENT.

REGULATORY INFORMATION:

VOLATILE ORGANIC COMPOUNDS: CA. 40 GMS/LITER SOUTH COAST AIR QUALITY MGMT DIST METHOD RULE 443.1, CALCULATED.

VOC LESS H20 & EXEMPT SOLVENTS: CA. 40 GMS/LITER SOUTH COAST AIR QUALITY MGMT DIST METHOD (RULE 443.1, CALCULATED).

SINCE REGULATIONS VARY, CONSULT APPLICABLE REGULATIONS OR AUTHORITIES BEFORE DISPOSAL. IN THE EVENT OF AN UNCONTROLLED RELEASE OF THIS

ABBREVIATIONS: N/D - NOT DETERMINED N/A - NOT APPLICABLE CA - APPROXIMATELY MSDS: 3M BRAND QUAT DISINFECTANT CLEANER CONCENTRATE

(PRODUCT NO. 5, TWIST ON FILL (TM) SYSTEM)

5. ENVIRONMENTAL INFORMATION (CONTINUED)

MATERIAL, THE USER SHOULD DETERMINE IF THE RELEASE QUALIFIES AS A REPORTABLE QUANTITY. U.S. EFA HAZARDOUS WASTE NUMBER = D001
(IGNITABLE) D002 (CORROSIVE)

TSCA: ALL COMPONENTS USED IN THE MANUFACTURE OF THIS MATERIAL ARE IN COMPLIANCE WITH THE US TSCA INVENTORY.

EPCRA HAZARD CLASS:

FIRE HAZARD: YES PRESSURE: NO REACTIVITY: NO ACUTE: YES CHRONIC: YES

6. SUGGESTED FIRST AID

EYE CONTACT:

IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:

IMMEDIATELY FLUSH SKIN WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES IN A CHEMICAL SAFETY SHOWER WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

INHALATION:

IF SIGNS/SYMPTOMS OCCUR, REMOVE PERSON TO FRESH AIR. IF SIGNS/SYMPTOMS CONTINUE, CALL A PHYSICIAN.

IF SWALLOWED:

IF SWALLOWED, DO NOT INDUCE VOMITING. GIVE VICTIM TWO GLASSES OF WATER. CALL A PHYSICIAN IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIAN: PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE.

OTHER FIRST AID INFORMATION:

MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION, AND

CONVULSION MAY BE NEEDED.
7. PRECAUTIONARY INFORMATION
EYE PROTECTION:
NOTE: WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWISTEN
FILL (TM) CHEMICAL DISPENSER, EYE CONTACT WITH THE CONCENTRATE IS NOT
EXPECTED TO OCCUR. AVOID EYE CONTACT. THE FOLLOWING SHOULD BE WORN
ALONE OR IN COMBINATION, AS APPROPRIATE, TO PREVENT EYE CONTACT:
ALONE UK IN COMBINATION, AS APPROPRIATE, 10 125-1101 222 COMMINE
ABBREVIATIONS: N/D - NOT DETERMINED N/A - NOT APPLICABLE CA - APPROXIMATELY
MSDS: 3M BRAND QUAT DISINFECTANT CLEANER CONCENTRATE
(PRODUCT NO. 5, TWIST ÉN FILL (TM) SYSTEM)
7. PRECAUTIONARY INFORMATION (CONTINUED)
WEAR VENTED GOGGLES. WEAR FULL-FACE SHIELD.
SKIN PROTECTION:
NOTE: WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWISTEN
FILL (TM) CHEMICAL DISPENSER, SKIN CONTACT WITH THE CONCENTRATE IS
NOT EXPECTED TO OCCUR. AVOID SKIN CONTACT. WEAR APPROPRIATE GLOVES
WEEN HANDLING THIS MATERIAL. A PAIR OF GLOVES MADE FROM THE
FOLLOWING MATERIAL(S) ARE RECOMMENDED: BUTYL RUBBER, NEOPRENE,
NITRILE RUBBER. USE ONE OR MORE OF THE FOLLOWING PERSONAL PROTECTION
ITEMS AS NECESSARY TO PREVENT SKIN CONTACT: APRON, COVERALLS.
RECOMMENDED VENTILATION:
NOTE: WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWISTÉN
FILL (TM) CHEMICAL DISPENSER, SPECIAL VENTILATION IS NOT REQUIRED.
USE IN A WELL-VENTILATED ARRA. PROVIDE SUFFICIENT VENTILATION TO
MAINTAIN EMISSIONS BELOW RECOMMENDED EXPOSURE LIMITS. IF EXHAUST
VENTILATION IS NOT ADEQUATE, USE APPROPRIATE RESPIRATORY PROTECTION.
RESPIRATORY PROTECTION:
NOTE: WHEN USED AS DIRECTED AND DILUTED AND DISPENSED WITH A TWISTEN
FILL (TM) CHEMICAL DISPENSER, RESPIRATORY PROTECTION IS NOT REQUIRED.
AVOID BREATHING OF VAPORS, MISTS OR SPRAY. AVOID BREATHING OF
AIRBORNE MATERIAL.
PREVENTION OF ACCIDENTAL INGESTION:
DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. WASH EXPOSED
AREAS THOROUGHLY WITH SOAP AND WATER.
AVOID CONTAMINATION OF FOOD.
RECOMMENDED STORAGE:
STORE AWAY FROM AREAS WHERE PRODUCT MAY COME INTO CONTACT WITH FOOD
OR PHARMACEUTICALS. DO NOT STORE CONTAINERS ON THEIR SIDES. KEEP
CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF THE REACH OF CHILDREN.
FIRE AND EXPLOSION AVOIDANCE:
KEEP CONTAINER TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS, OPEN
FLAME, AND OTHER SOURCES OF IGNITION. COMBUSTIBLE LIQUID AND VAPOR.
OTHER PRECAUTIONARY INFORMATION:
NOT INTENDED FOR CONSUMER SALE OR USE. THIS PRODUCT IS NOT INTENDED
TO BE USED WITHOUT PRIOR DILUTION AS SPECIFIED ON THE PRODUCT LABEL.
AVOID CREASING OR IMPACTING CONTAINER SIDE WALLS.
HMIS HAZARD RATINGS: HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0
PERSONAL PROTECTION: X (SEE PRECAUTIONS, SECTION 7.)
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(PRODUCT NO. 5, TWIST ÉN FILL (TM) SYSTEM)
7. PRECAUTIONARY INFORMATION (CONTINUED)

EXPOSURE LIMITS

INGREDTENT	VALUE	UNIT	TYPE	AUTH	skin*
WATER	NONE	NONE	NONE	NONE	
ALKYL (C-14 50%, C-12 40%, C-16					
10%) DIMETHYL BENZYL AMMONIUM					
CHLORIDE	NONE	NONE	NONE	NONE	
OCTYLDECYLDIMETHYLAMMONIUM					
CHLORIDE	NONE	NONE	NONE	NONE	
nonylphenoxypoly (oxyethylene) ethanol					
L	NONE	NONE	NONE	NONE	
ETHYL ALCOHOL	1000	PPM	TWA	ACGIH	
ETHYL ALCOHOL	1000	PPM	TWA	OSHA	
DIDECYLDIMETHYLAMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
ETHYLENEDIAMINETETRAACETIC ACID					
TETRASODIUM SALT	NONE	NONE	NONE	NONE	
DIOCTYL DIMETHYL AMMONIUM CHLORIDE	NONE	NONE	NONE	NONE	
SODIUM METASILICATE	NONE	NONE	NONE	NONE	
FRAGRANCE	NONE	NONE	NONE	NONE	
DYE	NONE	NONE	NONE	none	
* SKIN NOTATION: LISTED SUBSTANCES IND	ICATED 1	WITH ÉYÉ	UNDER SKIN	REFER	TO

* SKIN NOTATION: LISTED SUBSTANCES INDICATED WITH EYE UNDER SKIN REFER TO
THE POTENTIAL CONTRIBUTION TO THE OVERALL EXPOSURE BY THE CUTANEOUS ROUTE
INCLUDING MUCOUS MEMBRANE AND EYE, EITHER BY AIRBORNE OR, MORE PARTICULARLY,
BY DIRECT CONTACT WITH THE SUBSTANCE. VEHICLES CAN ALTER SKIN ABSORPTION.
SQUECE OF EXPOSURE LIMIT DATA:

- ACGIH: AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS
- OSHA: OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

- NONE: NONE ESTABLISHED

8. HEALTH HAZARD DATA

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EYE CONTACT:

CHEMICAL RELATED EYE BURNS (CHEMICAL CORROSIVITY): SIGNS/SYMPTOMS CAN INCLUDE CLOUDY APPEARANCE OF THE CORNEA, CHEMICAL BURNS, PAIN, TEARING, ULCERS, IMPAIRED VISION OR LOSS OF VISION.

SKIN CONTACT

SKIN BURNS (CHEMICAL CORROSIVITY): SIGNS/SYMPTOMS CAN INCLUDE REDNESS, SWELLING, ITCHING, PAIN, BLISTERING, ULCERATION, SLOUGHING, AND SCAR FORMATION.

MAY BE ABSORBED THROUGH THE SKIN AND PRODUCE EFFECTS SIMILIAR TO THOSE CAUSED BY INHALATION AND/OR INGESTION.

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(FRODUCT NO. 5, TWIST ÉN FILL (TM) SYSTEM)

8. HEALTH HAZARD DATA (CONTINUED)

INHALATION:

SINGLE OVEREXPOSURE, ABOVE RECOMMENDED GUIDELINES, MAY CAUSE:

CENTRAL NERVOUS SYSTEM DEPRESSION: SIGNS/SYMPTOMS CAN INCLUDE

HEADACHE, DIZZINESS, DROWSINESS, INCOORDINATION, SLOWED REACTION

TIME, SLURRED SPEECH, GIDDINESS AND UNCONSCIOUSNESS.

IRRITATION (UPPER RESPIRATORY): SIGNS/SYMPTOMS CAN INCLUDE

SORENESS OF THE NOSE AND THROAT, COUGHING AND SNEEZING.

PROLONGED OR REPEATED EXPOSURE MAY CAUSE:

NERVOUS SYSTEM EFFECTS: SIGNS/SYMPTOMS CAN INCLUDE EMOTIONAL CHANGES, LACK OF COORDINATION, TREMORS AND SENSORY LOSS.

LUNG DAMAGE: SIGNS/SYMPTOMS CAN INCLUDE COUGHING, DIFFICULTY BREATHING, WHEEZING, TIGHTNESS IN CHEST, CONGESTION, AND

COUGHING UP OF BLOOD.

IF SWALLOWED:

HARMFUL OR FATAL IF SWALLOWED.

DAMACT TO GASTROINTESTINAL TISSUES: SIGNS/SYMPTOMS CAN INCLUDE PAIN, VOMITING, NAUSEA, ABDOMINAL TENDERNESS, BURNS OF MOUTH, DIFFICULTY SWALLOWING, BLOOD IN VOMITUS, BLOOD IN FECES, AND ULCERATION.

OTHER HEALTH HAZARD INFORMATION:

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: MEDICAL CONDITIONS, IF

ANY, KNOWN TO BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT ARE INDICATED

IN THE APPROPRIATE PORTIONS OF THE HEALTH HAZARD DATA SECTION OF THIS

DATA SHEET.

CARCINOGENS: COMPONENTS OF THIS PRODUCT, IF ANY, KNOWN TO CAUSE, OR SUSPECTED OF CAUSING, CANCER AS DETERMINED BY OHSA, IARC, OR NTP ARE DESCRIBED IN THE HEALTH HAZARD DATA SECTION OF THIS DATA SHEET IN ACCORD WITH THE OHSA HAZARD COMMUNICATIONS STANDARD, 29 CFR 1910.1200

SECTION CHANGE DATES

INGREDIENTS SECTION CHANGED SINCE DECEMBER 08, 1997 ISSUE

(PRODUCT NO. 5, TWIST ÉN FILL (TM) SYSTEM)

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