3M MATERIAL SAFETY DATA SHEET 3M(TM) TILE, (;ROUT & BOWL CLEANER CONCENTRATE (Product No. 52, Twist 'n Ffll(tm) System) 05/29/2007

contact with oxidizing agents. Do not mix with bleach or ammonia products.

### 7.2 STORAGE

Keep container in well-ventilated area. Store away from strong bases.

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

### 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 in 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: Indirect Vented Goggles.

8.2.2 Skip Protection

Avoid skin contact. 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, Neoprene. The following protective clothing material(s) are recommended: Apron - Neoprene.

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray. NOTE: When used as directed and diluted and dispensed with a TWIST in 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; Half facepiece or fullface air-purifying respirator with acid gas 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

Ingredient	Authority	Туре	<u>Limit</u>	Additional Information
ETHYLENE OXIDE	3M	TWA	1 ppm	
ETHYLENE OXIDE	3M	STEL	5 pypm	
ETHYLENE OXIDE	ACGIH	TWA	j labru	Table A2
ETHYLENE OXIDE	O5HA	TWA	l ppm	Standard Appendix
ETHYLENE OXIDE	OSHA	STEL	5 ppm	Standard Appendix
HYDROCHLORIC ACID	ACGIH	CEIL	2 ppm	Table A4
HYDROCHLORIC ACID	OSHA	CEIL	5 ppm	Table Z-1

#### SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists

CMRG: Chemical Manufacturer Recommended Guideline