



Canada

# Heavy Duty Glass Cleaner

## Twist 'n Fill™ No. 20

### Technical Data

May 2008

#### Description:

3M™ Heavy Duty Glass Cleaner is a concentrated product to be diluted and dispensed by using the 3M™ Twist 'n Fill™ Cleaning Chemical Management System.

Heavy Duty Glass Cleaner is a fast-drying, non-streaking glass cleaner and effectively removes soils, water spots, oils, lipstick, and hairspray, from non-porous surfaces.

#### Special Features:

- Automatic dispensing eliminates measuring and mixing and ensures accurate dilutions
- Non-ammoniated formula
- Hard water tolerant
- Passes AMS 1550B cleaner tests for cleaning the interior of aircraft
- Pleasant fragrance

#### Applications:

- Windows and Mirrors
- Fixtures (stainless steel and chrome)
- Display cases (glass and plexiglas)
- Table tops
- Ceramic tile
- Marble

#### Packaging:

##### Concentrate:

1 – 2 litre bottle per box

Each 2-litre bottle yields 45 ready-to-use litres

##### General Use Directions:

Refer to ready-to-use MSDS for personal protective equipment (PPE) recommendations.

1. Dispense 3M™ Heavy Duty Glass Cleaner using the 3M™ Twist 'n Fill™ Dispenser into a properly labelled trigger-spray bottle.
2. Spray the cleaner directly onto the surface or into a clean cloth.
3. Wipe the surface with a clean cloth until dry.
4. When using a squeegee, apply cleaner, scrub to loosen soil, and then squeegee.

##### Product Specifications:

(Typical Values)

##### Concentrate:

1. pH: 9.5-10.5 (10% in water)
2. Flash Point: 47.8 °C
3. Solubility in Water: Complete
4. Specific Gravity: ~ 0.9 Water=1
5. Viscosity: <50 cps
6. Appearance: Clear, dark blue-violet liquid
7. Fragrance: Floral

##### Ready to Use:

1. pH: ~ 10
2. Flash Point: N/A
3. Solubility in Water: Complete
4. Specific Gravity: ~ 1 Water=1
5. Viscosity: <50 cps
6. Appearance: Clear, light blue to blue-violet liquid
7. Fragrance: Floral

##### Precautionary Summary:

##### Concentrate:

**Eye Contact:** Corrosive Eye Irritant

**Skin Contact:** Corrosive to Skin  
Allergic Skin Reaction (non-photo induced)

**Inhalation:** Respiratory Tract Irritation  
May be absorbed following inhalation and cause target organ effects.

##### Ready-to-Use:

**Eye Contact:** Mild Eye Irritant

**Skin Contact:** Mild Skin Irritant

**Inhalation:** Respiratory Tract Irritation  
May be absorbed following inhalation and cause target organ effects.

##### Note:

Refer to product Material Safety Data Sheet (MSDS: Concentrate 19-9909-3, Ready-to-use 19-7439-3) for specific health hazard, first aid and precautionary information

#### Important:

The information provided in this report is believed to be reliable; however, due to the wide variety of intervening factors, 3M does not warrant that the results will necessarily be obtained. All details concerning product specifications and terms of sale are available from 3M.



#### Building & Commercial Services Division

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