

# SAFETY DATA SHEET

## Freedom Clean 1776 – Window Cleaner

Product Code: 0006

### Section 1 – Identification

**Product Name:** Freedom Clean 1776 Window Cleaner

**Product Code:** 0006

**Recommended Use:** Glass and window cleaning solution

**Restrictions on Use:** Not for ingestion or use other than as intended

**Manufacturer:** Freedom Clean 1776, Fort Worth, TX, USA

**Emergency Contact (24/7):** CHEMTREC 1-800-262-8200

### Section 2 – Hazard(s) Identification

**GHS Classification:**

- Eye Irritation, Category 2B
- Acute Toxicity (Oral), Category 5

**Signal Word:** Warning

**Hazard Statements:**

- Causes eye irritation
- May be harmful if swallowed

**Precautionary Statements:**

- Wash hands thoroughly after handling
- Wear protective gloves/eye protection when handling bulk product
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention
- Keep out of reach of children

### Section 3 – Composition/Information on Ingredients

Component	CAS Number	Role	Concentration (% w/w)
Water (Deionized)	7732-18-5	Diluent	90–100%
N-Dodecyl-N,N-dimethylamine oxide	1643-20-5	Surfactant	0.5–1.5%
2-Butoxyethanol (Glycol Ether EB)	111-76-2	Solvent/cleaning agent	3–5%

### Section 4 – First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present. Continue rinsing. Seek medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops, seek medical attention.  
Inhalation: Move to fresh air. If symptoms persist, seek medical attention.  
Ingestion: Rinse mouth. Do not induce vomiting. Seek medical attention if large amounts are swallowed.

### Section 5 – Firefighting Measures

Suitable Extinguishing Media: Water spray, dry chemical, CO<sub>2</sub>, or foam  
Hazards: Product is water-based and not flammable; decomposition may release irritating fumes  
Protective Equipment: Firefighters should wear self-contained breathing apparatus and protective gear

### Section 6 – Accidental Release Measures

Contain spill, prevent entry into drains or waterways  
Absorb with inert material (sand, earth, absorbent pads)  
Dispose of in accordance with local, state, and federal regulations  
Wear gloves and goggles during cleanup

### Section 7 – Handling and Storage

Store in tightly closed container in a cool, dry, ventilated area  
Avoid contact with eyes and skin  
Do not mix with other cleaning chemicals  
Keep out of reach of children

### Section 8 – Exposure Controls/Personal Protection

Occupational Exposure Limits: 2-Butoxyethanol (50 ppm TWA OSHA)  
Engineering Controls: Provide adequate ventilation  
Personal Protection:  
- Eye Protection: Safety glasses/goggles for bulk handling  
- Skin Protection: Gloves recommended  
- Respiratory Protection: Not normally required with adequate ventilation

### Section 9 – Physical and Chemical Properties

Appearance: Clear liquid  
Odor: Mild solvent odor  
pH: ~7.0 – 8.0  
Boiling Point: ~100°C (212°F)  
Flash Point: >60°C (>140°F) (for Glycol Ether EB)  
Solubility: Completely soluble in water  
Specific Gravity: ~0.99 – 1.01  
VOC Content: Low (~3–5%)

### Section 10 – Stability and Reactivity

Stable under normal storage/handling conditions  
Avoid strong oxidizers

Hazardous decomposition products: carbon oxides and irritating fumes

### Section 11 – Toxicological Information

Routes of Exposure: Eye, skin, ingestion  
Symptoms: Eye/skin irritation, nausea if swallowed  
Toxicity: 2-Butoxyethanol oral LD<sub>50</sub> rat ~1,200 mg/kg  
Carcinogenicity: Not listed by IARC, NTP, OSHA

### Section 12 – Ecological Information

Glycol Ether EB is biodegradable but harmful in high concentrations  
Surfactant is biodegradable  
Avoid uncontrolled release to waterways

### Section 13 – Disposal Considerations

Dispose in accordance with local, state, and federal regulations  
Do not release to sewer systems

### Section 14 – Transport Information

DOT: Not regulated  
IMDG/IATA: Not regulated

### Section 15 – Regulatory Information

All components are listed on TSCA inventory  
OSHA HazCom: Hazardous (eye irritant)  
SARA Title III Section 311/312: Acute health hazard

### Section 16 – Other Information

Prepared by: Freedom Clean 1776 Regulatory Department  
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