Clear Glass Window Cleaner 49-1001
MSDS Material Data Safety Sheet

Review and update this document annual as outlined by OSHA regulations and your safety plan.

PRODUCT & COMPANY IDENTIFICATION

Identity (As Used on Label and List): CLEAR GLASS WINDOW CLEANER
Product Class: Window cleaner
Emergency Telephone Number: 651-227-8331
Telephone Number for Information: 651-227-8331

Manufacturer's Name and Address:
Needels Supply
444 Wacouta Street
Saint Paul, MN 55101

Date Prepared 01-10-2008

SECTION II - COMPOSITION/ INFORMATION ON INGREDIENTS

Hazardous Components (Specific Chemical Identity):

Chemical	Common Name(s)	OSHA PEL	AGGIH	Other Comments
A	Water CAS# 7732-18-5	NE	NE	
B	Tetrasodium ethylendiaminetetraacetate CAS# 64-02-8	NE	2mg/m3	
C	Nonylphenol Polyethylene Glycol Ether CAS# 127097-87-0	NE	NE	
D	Isopropanol 99% CAS# 67-63-0	400ppm	400ppm	
E	Dipropylene Glycol Monemethyl Ether CAS# 34590-94-8	100ppm	100ppm	

SECTION III PHYSICAL CHARACTERISTICS

Solubility in Water: Complete
Appearance and Odor: Clear Liquid, Ammonical odor.

SECTION IV - FIRE FIGHTING MEASURES

Flammability: Combustible
Autoignition Temperature:
Flash Point (method used): 107 Deg. F PMCC
Flammable Limits: ND LEL: ND UEL: ND
Extinguishing Media See below:

Water ?	**Foam? X**	**Water Fog? X**	**Alcohol Foam?**
CO_2? X	**Dry Chemical? X**	**Vaporizing Liquid?**	**Other?**

Special Fire Fighting Procedures: Water hose stream may spread fire. Use water spray to keep containers cool.
Unusual Fire and Explosion Hazards: Vapors are heavier than air and may travel over distances to ignition sources(heat, flames, sparks, pilot lights, etc.) where ignition may occur. Ground all equipment.
TDG Flammability Classification: Combustible
Sensitivity to Mechanical Impact: No
Sensitivity to Static Discharge: No

SECTION V - STABILITY AND REACTIVITY

Stability: **Unstable:** **Stable: X**
Conditions to Avoid:. Keep from freezing. Store at temperatures from 40 DEG. F to 95 DEG. F
Incompatibility (materials to avoid): Oxidizing material
Hazardous Decomposition or By-products: Carbon dioxide, Carbon monoxide, NOX, SO2 (very small amounts), when residue is incinerated.
Hazardous Polymerization: May occur: Will not occur: X Conditions to Avoid:. NK

SECTION VI HEALTH HAZARD DATA & FIRST AID MEASURES

Primary Hazards: Eye irritant, harmful if swallowed
Potential Health Hazards
Route(s) of Entry: Skin Absorption: X
Ingestion: NO Inhalation: X
Eye:. Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention.
Skin:. Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.
Ingestion:. If swallowed, do not induce vomiting. Drink one or two glasses of water and call physician immediately.
Health Hazards: Eye irritant, harmful if swallowed, obtain medical aid, if irritation persists.

Signs and Symptoms of Exposure:. Excessive exposure may cause headache or narcotic effect.
Carcinogenicity: NTP? NO IARC Monographs NO OSHA Regulated?. NO

SECTION VII Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: All spills should be treated as quickly as possible. Turn off all sources of ignition (pilot lights, cigarettes, etc.) in all areas close to spill. Provide good ventilation in spill area. CAUTION: Spills cause floors to become very slippery. It is recommended that an absorbent (oil dry, sawdust, etc.) be available in case a large spill (say more than ½ gallon) occurs. Dyking and applying such material limits spread and improves ease of removal. Apply amounts recommended by the manufacturer – this action generally makes the spill material into a semi-dry slush which can be removed from a floor using a squeegee (or floor brush) and a shovel (non-sparking). Place this material in a waterproof container and hold for later disposal. After spill slush is removed, mop-rinse spill area with clear water. Mop-rinse again with clear and pick up rinse water with a wet/dry vacuum, put defoamer in vacuum tank to prevent vacuum flooding. Put rinse water in slush container. For small spills (less than ½ gallon of product) clean up by thoroughly mopping and rinsing. Note: It is recommended that on operator wear impervious footwear (neoprene, etc.), protective eyeglasses and protective gloves.

Precautions to be Taken in Handling and Storing: Store in cool area, keep storage temperatures between 32 DEG. F and 95 DEG. F

Other Precautions: Keep out of reach of children. Do not store near heat or open flame. Do not mix with other chemicals.

Waste Disposal Method: Dispose of spilled material in accordance with Local, State & Federal regulations.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection (Specify Types): NR

Ventilation: Local Exhaust: NA Special: NR Mechanical (General): Normal good ventilation sufficient Other: NR
Protective Gloves: Natural rubber or synthetic **Eye Protection:** None . **Footwear:**
Other Protective Clothing or Equipment: None
Work/Hygienic Practices:. Do not contaminate food or beverage with cleaning materials.

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 181 DEG. F
pH:
Specific Gravity (H20) = 1: 0.99
%Volatile:
Vapor Density (Air = 1): Heavier
Evaporation Rate (Butyl Acetate = 1):. ND
Solubility in Water: Complete
Vapor Pressure (MM HG):. ND
Melting Point:. Liquid, except when frozen

HMIS

Hazardous Material Identification System

Health (Salud)	**2** = Moderate Hazard (Riesgo Merado)
Flammable (Inflamabilidad)	**3** = Serious Hazard (Risego Serlo)
Ractivity (Reactividad)	**0** = Minimal Hazard (Riesgo Minimo)
Personal Protection	**B** = Gloves & Goggles

MSDS Abbreviations

NE	Not Established
ND	Not Determined
NA	Not Available
NK	Not Known
NR	Not Required

NEEDELS SUPPLY
for Cleaning & Maintenance Professionals