

Material Safety Data Sheet (MSDS)

May be used to comply with
OSHA's Hazard Communication Standard.
29 CFR 1910.1200. Standard must be consulted for
specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

Identify (As Used on Label and List):

4.5 GRAM UNGER "THE PILL" WINDOW CLEANING TABLETS #PILL**SECTION I**

Manufacturer's Name:

Willert Home Products

Emergency Telephone Number:

800-424-9300 (Chemtrec)

Address (Number, Street, City, State and ZIP Code)

**4044 Park Avenue
St. Louis, Missouri 63110**

Telephone Number for Information:

314-772-2822

Date Prepared: September 19, 2000
Prepared By: R. Krecloch

SECTION II - Hazardous Ingredients/Identity Information

Ingredient	CAS#	%W/W	Exposure Limits		
			8hr. PEL/TWA 15mg/m ³ Total Dust	8hr. PEL/TWA 5mg/m ³ Respirable Dust	8hr. TLV/TWA 10mg/m ³ Total Dust (ACGIH)
Citric Acid	77-92-9	29.0			
Sodium Carbonate (Soda Ash)	497-19-8	18.0	8hr. PEL/TWA 15mg/m ³ Total Dust	8hr. PEL/TWA 5mg/m ³ Respirable Dust	8hr. TLV/TWA 10mg/m ³ Total Dust (ACGIH)

Note: Exposure limits listed above are for nuisance dusts. These conditions would only exist in the unlikely event of large quantities of tablets being fractured and atomized.

This product reacts to release carbon dioxide when in contact with water. The net effect of this reaction is a neutral solution that is relatively safe.

SECTION III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific gravity (H ₂ O = 1)	N/A
Vapor Pressure (mmHg)	N/A	Melting Point	N/A
Vapor Density (Air = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water	COMPLETE	Appearance	Solid Cylindrical Tablet
Odor	NONE		

SECTION IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	FLAMMABILITY LIMITS			
Extinguishing Media	N/A	LEL	N/A	UEL	N/A
Special Fire Fighting Procedures	N/A				
Unusual Fire and Explosion Hazards	N/A				

SECTION V - Reactivity Data

Stability		Conditions to Avoid:	KEEP AWAY FROM MOISTURE
Stable	X	Incompatibility (Materials to Avoid):	STRONG OXIDIZERS

Hazardous Decomposition or Byproducts

Contact with moisture releases Carbon Dioxide, an asphyxiant gas. Reactions involving small quantities are innocuous, but large quantities will blanket adjacent areas with CO₂ when exposed to adequate moisture.

Hazardous Polymerization		Conditions to Avoid	NONE
May Occur		May Not Occur	X

SECTION VI – Health Hazard Data									
Route(s) of Entry:				Inhalation?	N/A	Skin?	N/A	Ingestion?	X
Health Hazards (Acute and Chronic)									
Cardiogenic?	YES		NO	NTP?		IARC Monographs?		OSHA Regulated?	
Signs and Symptoms of Exposure				N/A					
Medical Conditions Generally Aggravated by Exposure				N/A					
Emergency and First Aid Procedures				N/A					
SECTION VII – Precautions for Safe Handling and Use									
Steps to Be Taken in case Material is Released or Spilled				SWEEP UP AND PLACE INTO IMPERMEABLE CONTAINERS APPROPRIATE FOR ELIMINATING CONTACT WITH MOISTURE.					
Waste Disposal Method				FOLLOW APPLICABLE REGULATIONS					
Precautions to Be Taken in Handling And Storing				STORE IN A COOL DRY PLACE.					
Other Precautions									
SECTION VIII – Control Measures									
Respiratory Protection (Specify Type)				NOT NEEDED					
Ventilation	Local Exhaust			NOT NEEDED			Mechanical (General)		NOT NEEDED
Protective Gloves		NOT NEEDED. DISPENSE PRODUCT FROM PACKAGE INTO WINDOW WASH BOTTLE.							
Eye Protection		NOT NEEDED							
Other Protective Clothing or Equipment				NOT NEEDED					
Work/Hygenic Practices				AVOID CONTACT WITH MOISTURE.					

SECTION IX - HMIS	Hazardous Material Identification System
Health	1
Flammability	0
Reactivity	0
Protective Equipment	None