



Maintenance Solutions

# Force

## Non-Acid Drain Opener



### For Use On:

Hair	Greases	Vegetable Oils
Animal Fat	Starches	Organic Matter

### DESCRIPTION

A non-acid drain opener that is non-fuming and safe for use on all plumbing fixtures, septic tanks, garbage disposals, and porcelain. Pours through standing water, so clogged drains do not have to be emptied first. Will dissolve starches, fats, oils, greases, hair, vegetable gums and other organic wastes.

### DIRECTIONS

Open carefully. Slowly pour directly into drain opening. Avoid all splashing. If spilled, clean up immediately. Keep off aluminum, plastic, and floors.

*FOR CLOGGED DRAINS:* No need to remove standing water. Use 1/2 bottle and allow to work for 30 minutes. If necessary, repeat operation and allow to work for 1 hour. Flush with warm water.

*FOR SLOW DRAINS:* Use 1/4 bottle twice at 15 minute intervals, flush with warm water.

*FOR PREVENTING FUTURE PROBLEMS:* Use 1/4 bottle weekly. Allow to stand 30 minutes. Flush with water.

### PRODUCT SPECIFICATIONS

<b>Color:</b>	Clear	<b>Fumes:</b>	None
<b>Odor:</b>	Not objectionable	<b>Emulsification:</b>	Excellent
<b>pH:</b>	13.5 - 14.0	<b>Flash Point:</b>	None (waterbased)
<b>Viscosity:</b>	Water thin	<b>Biodegradability:</b>	Complete
<b>Foam:</b>	None	<b>Storage/Stability:</b>	2 years
<b>Abrasives:</b>	None	<b>Weight per Gallon:</b>	9.57 lbs./gal.
<b>Phosphate Content:</b>	None	<b>Freeze / Thaw Stability:</b>	Keep from freezing
<b>Acid Content:</b>	None		

Food Service Products

## SECTION 1-PRODUCT IDENTIFICATION AND SUPPLIER INFORMATION

<b>Manufacturer's Name:</b> Misco Products Corporation	<b>Product Name:</b> Force	<b>Supplier's Name:</b>
<b>Manufacturer's Address:</b> 1048 Stinson Drive Reading, PA 19605	<b>Generic Name:</b> Non-Acid Drain Opener	<b>Supplier's Address:</b>
<b>Manufacturer's Phone #:</b> (610) 926-4106	<b>Chemical Family:</b> Alkaline Detergent Blend	<b>Supplier's Phone #:</b>
	<b>Formula:</b> Proprietary	

## SECTION 2-INGREDIENT INFORMATION

CHEMICAL NAME	CAS NO.	WT. %	PEL	TWA-TLV	STEL-TLV
Water	7732-18-5	to 100			
Sodium Hydroxide	1310-73-2	10 to 15	N/A	C2mg/M <sup>3</sup>	N/A
Sodium Hypochlorite	7681-52-9	0 to 5			
Anionic Surfactant	N/A	0 to 5			

## SECTION 3-PHYSICAL DATA

<b>Boiling Point (°F):</b> 211 F.	<b>Specific Gravity:</b> 1.147
<b>Vapor Pressure:</b> 20mm Hg @ 68 F.	<b>Vapor Density (Air=1):</b> >1
<b>% Volatile:</b> 75+	<b>pH:</b> 13.5-14.0
<b>Solubility in Water:</b> Complete	<b>Evaporation Rate (Water=1):</b> <1
<b>Physical Description:</b> Thin clear liquid with characteristic odor.	

## SECTION 4-FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used):</b> None	<b>Lower Explosion Limit:</b> N/A
<b>Upper Explosion Limit:</b> N/A	<b>Extinguishing Media:</b> N/A
<b>Special Firefighting Procedures:</b> Non Flammable	
<b>Unusual Fire and Explosion Hazards:</b> N/A	

## SECTION 5-REACTIVITY DATA

<b>Stability:</b> Stable	<b>Hazardous Polymerization:</b> None
<b>Hazards Decomposition Products:</b> Alkaline vapors in a fire.	<b>Incompatibility (Materials to Avoid):</b> Strong acids. Aluminum contact may release hydrogen gases

## SECTION 6-STORAGE AND HANDLING INFORMATION

DANGER: CORROSIVE. Will cause permanent eye damage and irreversible skin damage. Avoid contact with eyes, skin and clothing. Wear rubber gloves and eye protection when handling. Wash hands immediately after use. Keep out of reach of children. For use by trained personnel only. Keep container tightly closed during storage. For institutional and industrial use only. Avoid breathing of vapors. Use in well-ventilated area.

## SECTION 7-HEALTH HAZARDS AND FIRST AID

<b>Effects of Overexposure:</b>
<b>Skin:</b> Severe skin irritant. May cause moderate reddening, swelling, and possible skin damage.
<b>Eyes:</b> Severe eye irritant. Liquid and mists will damage eyes, causing corneal damage.
<b>Inhalation:</b> Vapors and mists may be irritating to mucous membranes in the nose, throat, and lungs.
<b>Ingestion:</b> Irritating and corrosive to the mouth and throat. May cause headache, nausea, abdominal pain, vomiting, and diarrhea. Excessive amounts may cause collapse.
<b>First Aid Procedures:</b>
<b>Skin:</b> Flush with water. Seek medical attention if irritation persists.
<b>Eyes:</b> Flush with large quantities of water, holding eyelids open. Seek medical attention if irritation persists.
<b>Inhalation:</b> Get to fresh air. Seek medical attention if irritation persists.
<b>Ingestion:</b> Do not induce vomiting. Drink large quantities of water. Seek medical attention immediately.

## SECTION 8-SPECIAL PROTECTION INFORMATION

<b>Respiratory Protection:</b> Use in well-ventilated area.
<b>Ventilation Requirements:</b> Provide local exhaust to keep TLV of Section 2 ingredients below acceptable limit.
<b>Protective Gloves:</b> Chemical resistant rubber, alkaline resistant.
<b>Eye Protection:</b> Safety glasses or full-face shield recommended.
<b>Other Protective Equipment:</b> Eye wash. Protective clothing should be worn when handling.

## SECTION 9-SPILL OR LEAK PROCEDURES

<b>Steps to be taken in Case Material is Released or Spilled:</b> Floors will become slippery. Avoid walking in product. Keep unessential personnel away. Mop up or otherwise absorb and hold disposal. For large spills, avoid discharge to sewer or open waterways.
<b>Waste Disposal Method:</b> Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and containers should be treated as hazardous waste based on the characteristic of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal in public sewer. Do not dispose of into storm drain, stream, river or to ground. Rinse container thoroughly before discarding in trash.

## SECTION 10-REGULATORY INFORMATION

## SARA Title III - Section 311/312 -Hazard Categories:

No - Fire Hazard  
No - Sudden Release of Pressure Hazard  
Yes - Reactivity Hazard  
Yes - Immediate (acute) Health Hazard  
No - Delayed (chronic) Health Hazard

## Shipping Information:

FOR CONTAINERS > 1 Gallon: Compounds, cleaning liquid, (Sodium Hydroxide), 8, NA-1760, PG III  
FOR 1 GALLON CONTAINERS: Compounds, cleaning liquid, (Sodium Hydroxide), 8, NA-1760, PG III (Limited Quantity)  
FOR CONTAINERS < 1 GALLON : ORM-D

## HMIS Hazardous Materials Identification System

<b>Health</b>	<b>3</b>
<b>Flammability</b>	<b>0</b>
<b>Reactivity</b>	<b>1</b>
<b>Personal Protection</b>	<b>D</b>

FOR EMERGENCY MEDICAL OR TRANSPORT INFORMATION: CHEM-TEL, Inc. @ 800-255-3924 (24 hours, 7 days per week)

This product contains the following toxic chemical(s) subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372.

CAS#	Chemical Name	Percent by Weight
	None	

This product contains the following chemical(s) which have been established to be either a carcinogen or suspected carcinogen.

CAS#	Chemical Name	Percent by Weight
	None	

## SECTION 11-OTHER INFORMATION

This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of our products either alone or in combination with other products. It is the responsibility of the user to provide a safe workplace, using the health and safety information contained herein as a guide. This company will accept no liability for damages or loss incurred from the improper handling and use of this product