

**SAFETY DATA SHEET**

**1. Product and Company Identification**

<b>Product Name</b>	MOP N GO ENZYME FLOOR CLEANER
<b>Product Number</b>	181
<b>Product Type</b>	Mixture
<b>Product Use</b>	Enzymatic Floor Cleaner
<b>Manufacturer/Supplier</b>	National Purity US LLC. 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
<b>Company Contact</b>	612-672-0022
<b>Emergency Telephone Number</b>	1-800-255-3924
<b>Email</b>	customerservice@nationalpurity.com

**2. Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910 OSHA HCS**

- Eye Damage (Category 3) H318
- Acute Toxicity, Oral (Category 4) H302
- Skin Damage (Category 3) H314
- Eye Irritation (Category 2B) H319

**GHS Label elements, including precautionary statements**

**Pictogram**



**Signal word**

Warning

**Hazard Statements**

- H302
- H314
- H318
- H319
- H402

- Harmful if swallowed**
- Causes severe burns and eye damage**
- Causes serious eye damage**
- Causes serious eye irritation**
- Toxic to aquatic life**

**Precautionary Statements**

**Prevention**

- P264
- P270
- P280
- P261
- P273

- Wash hands thoroughly after handling.**
- Do not eat, drink, or smoke when using this product.**
- Wear protective gloves/protective clothing/eye protection/face protection.**
- Avoid breathing mist/vapors/spray.**
- Avoid release to the environment.**

**Response**

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P301+P312+P330

**IF SWALLOWED, immediately call a POISON CENTER/doctor. DO NOT INDUCE VOMITING. Rinse mouth with water.**

P332+P313

**If skin irritation occurs, get medical attention**

P305+P351+P337+P313

**IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, Get medical advise and attention**

P304+P340+P312

**IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.**

**Storage/Disposal**  
P501

**Dispose of contents/container in accordance with local/regional/federal regulations.**

### 3. Composition/Information on Ingredients

The following are criteria for listing components in this section: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Nonhazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	H302, H318	1-5%
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	100-79-8	H319	≤ 1%
D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	H318, H402	< 1%
Citric acid	77-92-9	H319	1-5%

### 4. First Aid Measures

#### Description of First Aid Procedures

##### General Advice

Consult a physician. Show this SDS to the doctor.

##### In Case of Eye Contact

Flush with cool running water for 15 minutes. Remove contact lenses if present. Get immediate medical attention.

##### In Case of Skin Contact

Rinse thoroughly with cool running water. Remove contaminated clothing. Get medical attention if irritation persists.

##### If Ingested

Rinse mouth with water. **Do not induce vomiting.** Obtain immediate medical attention. Never give anything by mouth to an unconscious person. Move person to fresh air. If breathing difficulty persists, consult a physician. Symptoms may be delayed.

##### If Inhaled

#### Notes to Physician

##### General advice

Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

### 5. Fire-fighting Measures

#### Flammable properties

None

#### Extinguishing media

Use methods appropriate to the source of the fire.

#### Protection of firefighters

Firefighters should wear protective clothing including self-contained breathing apparatus

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**Hazardous combustion products**  
**Unusual Fire, Explosion hazards**

May include and not limited to oxides of carbon, and nitrogen.  
 Containers may melt or rupture from heat of fire. May form combustible mixtures with air when heated.

## 6. Accidental Release Measures

<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be mopped up and rinsed. Large spills, dike area to prevent from spreading. Absorb with non-reactive absorbent and place in suitable, covered, and labeled container. Rinse area with water. Never return spill to original container.
<b>Environmental precautions</b>	Avoid spills. Keep out of waterways. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system

## 7. Handling and Storage

<b>Precautions for Safe Handling</b>	Use good industrial hygiene practices when handling this material. Avoid contact with eyes, skin, and clothing. Wash contaminated clothing before reuse.
<b>Conditions for Safe Storage</b>	Keep container closed when not in use. Keep out of reach of children.

## 8. Exposure Controls and Personal Protection

Exposure Limits	CAS#	OSHA PEL	ACGIH TLV
<b>Ingredients</b> Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	68585-47-7	N/A	N/A
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	100-79-8	N/A	N/A
D-Glucopyranose, oligomeric, decyl octyl glycosides	68515-73-1	N/A	N/A
Citric acid	77-92-9	N/A	3ppm (TWA)
<b>Engineering controls</b>	General ventilation normally adequate.		
<b>Personal protective equipment</b>			
<b>Eye/Face protection</b>	Wear goggles or safety glasses with side shields if splash conditions exist. Have suitable eye wash water available.		
<b>Hand protection</b>	Wear impermeable gloves to prevent contact with skin.		
<b>Skin and body</b>	As required by employer code.		
<b>Respiratory protection</b>	Use a NIOSH approved respirator when exposure guidelines are exceeded.		
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.		

## 9. Physical and Chemical Properties

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## Information on basic physical and chemical properties

<b>Appearance/form</b>	Clear liquid
<b>Color</b>	Colorless-light yellow
<b>Odor</b>	Characteristic
<b>Odor threshold</b>	Not established
<b>pH</b>	11.00-12.00 (concentrate)
<b>Melting/freezing point</b>	Not established
<b>Initial Boiling point</b>	~ 212° F (100° C)
<b>Flash point</b>	Not established
<b>Evaporation rate</b>	Not established
<b>Flammability</b>	Not flammable
<b>Upper/lower flammability or Explosive limits</b>	Not applicable
<b>Vapor pressure</b>	Not established
<b>Vapor density</b>	Not established
<b>Specific gravity/density</b>	1.00-1.05
<b>Solubility in water</b>	Complete
<b>VOC</b>	Not established
<b>% Volatile</b>	Not established

## Other Safety Information

## 10. Stability and Reactivity

<b>Reactivity</b>	Not reactive under normal use or storage.
<b>Chemical Stability</b>	Stable under normal storage conditions.
<b>Hazardous reactions</b>	None known.
<b>Conditions to avoid</b>	Do not mix with other chemicals.
<b>Incompatible materials</b>	Strong acids, alkalis, strong oxidizing agents.
<b>Hazardous decomposition products</b>	May include but not limited to oxides of carbon, and nitrogen.
<b>Hazardous polymerization</b>	Will not occur

## 11. Toxicological Information

<b>Ingredients</b>	<b>LC50</b>
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	3.6 mg/l, 96 h (Fish)
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	16.7 g/l, 96 h (Fathead minnow)
D-Glucopyranose, oligomeric, decyl octyl glycosides	10-100 mg/l (Fish)
Citric acid	440 mg/l (Freshwater fish)
<b>Ingredients</b>	<b>LD50</b>
Sulfuric acid, mono-C10-16-alkyl esters, sodium salts	1200 mg/kg Acute oral (Rat), > 2000 mg/kg Acute oral (Rat)
2,2-dimethyl-1,3-dioxolan-4-ylmethanol	7000 mg/kg Acute oral (Rat), > 2000 mg/kg Acute oral (Rat)
D-Glucopyranose, oligomeric, decyl octyl glycosides	> 5000 mg/kg Acute oral (Rat), > 5000 mg/kg Acute dermal (Rabbit)

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Citric acid 11700 mg/kg Acute oral (Rat, male), > 2000 mg/kg Acute dermal (Rabbit)

**Eye** Causes eye irritation.  
**Skin** May cause mild skin irritation.  
**Ingestion** May be harmful if swallowed.  
**Inhalation** May cause respiratory irritation of nose and throat.  
**Sensitization** Nonhazardous.  
**Chronic effects of short and long term exposure** Prolonged exposure to skin may cause drying, defatting and irritation.  
**Carcinogenicity** Does not contain ingredients considered carcinogenic by NTP, or OSHA.  
**Mutagenicity** Nonhazardous.  
**Reproductive effects** Nonhazardous.  
**Teratogenicity** Nonhazardous.

## 12. Ecological Information

**Eco-toxicity** Ecological effects for this product have not been analyzed. However, if spilled this product's ingredients are harmful to aquatic life and may have long lasting effects.

Sulfuric acid, mono-C10-16-alkyl esters, sodium salts EC50 (Crustacea): 1.37-4.70 mg/l, 48 h  
 EC50 (Algae): 60 mg/l, 72 h

2,2-dimethyl-1,3-dioxolan-4-ylmethanol EC50 (Daphnia magna): 96 mg/l, 48 h

D-Glucopyranose, oligomeric, decyl octyl glycosides EC50 (Daphnia magna): 10-100 mg/l, 48 h  
 EC50 (Green algae): 10-100 mg/l, 72 h

Citric acid EC50 (Freshwater invertebrates): 1535 mg/l

**Environmental effects** Not Available  
**Aquatic toxicity** Not Available  
**Persistence and Degradability** Readily Biodegradable  
**Bioaccumulation/accumulation** Not Available  
**Partition coefficient** Not Available  
**Mobility in environmental media** Will likely be mobile in the environment due to its water solubility  
**Chemical fate information** Not Available  
**Other adverse effects** Not Available

## 13. Disposal Considerations

**Waste codes** Not Available  
**Disposal instructions** Dispose in accordance with local, state, and federal regulations  
**Wastes from residues/unused product** Containerize. Rinse area with water. Keep out of storm sewer/waterways.  
**Contaminated packaging** Dispose in accordance with all applicable regulations.

## 14. Transport Information

**Basic shipping requirements:** Not DOT Regulated  
**Proper shipping name:** N/A  
**Hazard class** N/A  
**UN number** N/A  
**Packing group** N/A  
**Special provisions** N/A  
**Packaging exceptions** N/A

## 15. Regulatory Information

**U.S federal regulations** This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all the information required by OSHA. HCS 2012

**TSCA** All ingredients are commercially available and presumed to be listed by manufacturer

**CERCLA Super Fund  
 40 CFR 117.302** Product does not contain materials with Reportable Quantities (RQ)

**SARA Title III Section 311&312** Immediate (Acute) Health Hazard: Sulfuric acid, mono-C10-16-alkyl esters, sodium salts (CAS #: 68585-47-7)

**SARA Title III Section 313** None of the ingredients listed in Section 2 are subject to the reporting requirements of section 313 of Title III SARA.

**Warning  
 CA Proposition 65** This product does not contain chemicals known to the state of California to cause cancer, reproductive defects, or birth defects.

**States Right to Know**

**Pennsylvania Right to Know:** N/A

**Massachusetts Right to Know:** N/A

**New Jersey Right to Know:** N/A

**Rhode Island Right to Know:** N/A

### Inventory Status

Countries	Inventory Name	On Inventory (Yes/No)*
U.S.	CIL	Yes
Canada	DSL	Yes

- A “Yes” indicates that all the components of this product comply with the inventory requirements administered by the governing country(s) listed.

## 16. Other Information

### HMIS RATING

HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

### Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with

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caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Issue date**  
**Supersedes date**  
**Reason for Update**

June 13, 2022  
Previous issues  
New Product