

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	FINNEY MARK OFF
Product Number	P701
Product Type	Mixture
Product Use	Glass cleaner
Manufacturer/Supplier	National Purity, LLC. 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
Company Contact	612-672-0022
Emergency Telephone Number	1-800-255-3924

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Flammable liquid, (Category 3) H226
Acute Toxicity-Oral (Category 5) H303
Skin corrosion/irritation, (Category 3) H316,
Serious eye damage/irritation, (Category 2A) H319
Respiratory irritation (Category 3) H335, H336
Acute aquatic toxicity, (Category 3) H402

GHS Label elements, including precautionary statements

Pictogram



Signal word

Warning

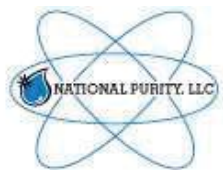
Hazard Statements

H226	Flammable liquid and vapor
H303	May be harmful if swallowed.
H315	Causes mild skin irritation.
H319	Causes serious eye irritation.
H335, H336	May cause respiratory irritation. May cause drowsiness or dizziness.
H402	Harmful to aquatic life.

Precautionary Statements

Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames, ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take action to prevent static discharges.
P261	Avoid breathing mist, vapors, or spray.
P264	Wash hands and exposed skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well ventilated area.
P273	Avoid release to the environment.



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Response

P370+P378

P301+P312

P303+361+P353+P363+P312

P305+P351+P338

P337+P313

P304+P340

P312

In case of fire, use water spray, dry chemical or carbon dioxide to extinguish.

IF SWALLOWED, rinse mouth with water, DO NOT INDUCE VOMITING.

Call a POISON CENTER/doctor if feeling unwell.

IF ON SKIN, immediately take off all contaminated clothing. Rinse skin with

water or shower if appropriate. Wash contaminated clothing before reuse.

Call a POISON CENTER/doctor if irritation persists.

IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if

present. Continue rinsing

If eye irritation persists: Get medical advice/attention.

IF INHALED: remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTER/doctor if experiencing difficulty breathing or feeling unwell.

Storage/Disposal

P403+P233+P235

P405

P501

Store in a well ventilated place. Keep cool. Keep container tightly closed.

Store locked up.

Dispose of contents/container in accordance with local, state and federal regulations.

3. Composition/Information on Ingredients

The criteria for listing components in this section are: 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. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Isopropyl alcohol	67-63-0	H226, H319, H336	10-20%
Propylene glycol n butyl ether	5131-66-8	H226, H303, H316, H320,	10-20%
N-methylpyrrolidone	872-50-4	H316, H320	5-10%

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 possible. Get medical attention.

In Case of Skin Contact

Flush with cool water. If irritation occurs, get medical attention.

If Ingested

Rinse mouth. **Do not induce vomiting.** Obtain immediate medical

attention. Never give anything by mouth to an unconscious person.

If Inhaled

Move person to fresh air. If breathing difficulty persists, consult a physician.

Notes to Physician

Symptoms may be delayed.

General advice

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

5. Fire-fighting Measures

Flammable properties

Flammable.

Extinguishing media

Dry chemical. Carbon dioxide, foam.

Protection of firefighters

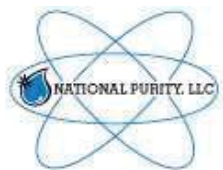
Firefighters should wear protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and not limited to oxides of carbon, and nitrogen.

Unusual Fire, Explosion hazards

Containers may melt or rupture from heat of fire.



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6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
Methods for containment	Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills may be mopped up placed in a container for disposal. Large spills: dike with suitable material and prevent discharge into waterways. Spill may be absorbed with non reactive material and placed in a suitable container for disposal. Residues can be rinsed with water and passed to sanitary sewer. Dispose of contents/containers in accordance with local, state, and federal regulations.

7. Handling and Storage

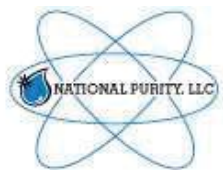
Precautions for Safe Handling	Use good industrial hygiene practices when handling this material. Wash contaminated clothing before reuse.
Conditions for Safe Storage	Keep container closed when not in use. Keep out of reach of children. Store in cool dry place.

8. Exposure Controls and Personal Protection

Exposure Limits			
Ingredients	CAS#	OSHA PEL	ACGIH TLV
Isopropyl alcohol	67-63-0	400 ppm TWA, 980 mg/m ³ PEL	Not available
Propylene glycol n butyl ether	5131-66-8	Not available	Not available
N-methylpyrrolidone	872-50-4	309 mg/m ³ STEL	Not available
Engineering controls	Exhaust ventilation recommended		
Personal protective equipment			
Eye/Face protection	Wear goggles or safety glasses with side shields if splash conditions exist.		
Hand protection	Not generally required in normal use.		
Skin and body	Not generally required in normal use.		
Respiratory protection	Use a NIOSH approved respirator when exposure guidelines are exceeded.		
General hygiene considerations	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

Information on basic physical and chemical properties	
Appearance/form	Clear liquid
Color	Colorless
Odor	Alcohol
Odor threshold	Not established
pH	7.3-7.7 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	≈200° F. (93° C.)
Flash point	82° F. (28° C.) Estimated.
Evaporation rate	Not established
Flammability	Flammable
Upper/lower flammability or	Not established
Explosive limits	Not established
Vapor pressure	Not established



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Vapor density	2.1
Specific gravity/density	0.98-1.00
Solubility in water	Complete
VOC	≈ 32%
% Volatile	≈ 93%
Other Safety Information	

10. Stability and Reactivity

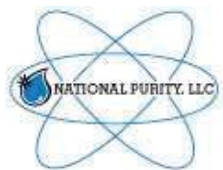
Reactivity	Not reactive under normal use.
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known.
Conditions to avoid	Do not mix with other chemicals. Avoid sources of heat.
Incompatible materials	Strong acids, strong oxidizing agents.
Hazardous decomposition products	May include but not limited to oxides of carbon, and nitrogen. Glycol ethers tend to form explosive peroxides on prolonged exposure to air
Hazardous polymerization	Will not occur

11. Toxicological Information

Ingredients	LC50
Isopropyl alcohol	16000 ppm (inhalation rat- 8 hours)
Propylene glycol n butyl ether	600 ppm (inhalation rat- 7 hours, 31 days) no ill effects.
N-methylpyrrolidone	> 5.1 mg/l (inhalation rat- 4 hours)
Ingredients	LD50
Isopropyl alcohol	5,045 mg/kg (Oral-rat), 12,800 mg/kg (Dermal-rabbit)
Propylene glycol n butyl ether	5230 mg/kg (Oral-rat), > 2000 mg/kg (Dermal-rabbit)
N-methylpyrrolidone	3914 mg/kg (Oral-rat), 8,000 mg/kg (Dermal-rabbit)
Effects of acute exposure	
Eye	Will cause serious eye irritation.
Skin	Will cause mild skin irritation.
Ingestion	Harmful if swallowed. May cause irritation to mouth, throat and stomach.
Inhalation	May cause irritation of respiratory tract. May cause drowsiness or dizziness.
Sensitization	Not known.
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, IARC, or OSHA.
Mutagenicity	No data available.
Reproductive effects	No data available.
Teratogenicity	No data available

12. Ecological Information

Eco-toxicity	Ecological effects for this product have not been analyzed. However, if spilled this product and any contaminated soil may be harmful to aquatic life.
Environmental effects	No data available
Aquatic toxicity	
Isopropyl alcohol	LC50 Fathead minnow: 9,640 mg/l 24 hours EC50 Daphnia magna (water flea) 5,102 mg/l 24 hours EC50 Algae : > 1000 mg/l 24 hours
Propylene glycol n butyl ether	LC50 Fish: 560-1000 mg/l 96 hours EC50 Daphnia Magna: > 2000 mg/l 48 hours



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N-methylpyrrolidone

LC50 Salmo Gairdneri: 3048 mg/l 96 hours
EC50 Daphnia Magna: 4897 mg/l 48 hours
EC50 Scenedesmus Subspicatus: > 500 mg/l

Persistence and Degradability
Bioaccumulation/accumulation
Partition coefficient
Mobility in environmental media
Chemical fate information
Other adverse effects

No data available
Ingredients are not known bioaccumulators.
No data available
No data available
No data available
No data 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.

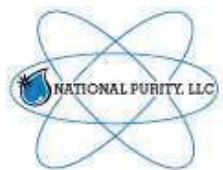
14. Transport Information

Basic shipping requirements:	
Proper shipping name	Flammable liquid, n.o.s.(contains isopropyl alcohol, propylene glycol n butyl ether), 3, UN1993, PG III
Hazard class	3
UN number	UN1993
Packing group	PG III
Packaging exceptions	49CFR173.150 Limited quantities
Special provisions	

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 of the information required by OSHA. HCS 2012	
TSCA	All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.	
SARA Title III Section 311&312	Immediate (Acute) Health Hazard	
SARA Title III Section 313	Product does contain substances on the list of Toxic Chemicals per 40CFR372 Isopropyl alcohol,	
California Proposition 65	This product does not contain chemicals known to the State of California to cause cancer.	
States Right to Know	Reportable chemicals: Isopropyl alcohol	
Inventory Status		
Countries	Inventory Name	On Inventory (Yes/No)*
U.S.	CIL	Yes
Canada	DSL	Yes

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



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16. Other Information

HMIS RATING

HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	2
Flammability	2
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 caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

March 5, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

March 5, 2018