

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: Floormarx Cleaning Foot Wipes

Synonym(s): Isopropanol wipes

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Cleaner for Floormarx non-permanent floor markers

Uses advised against: None known

1.3 Details of the supplier and of the safety data sheet

Manufacturer/Distributor

Floormarx, LLC
105 West Circular St.
Saratoga Springs, NY 12866 USA
1-518-831-0555

1.4 Emergency telephone number: INFO-TRAC +1-800-535-5053; Outside USA & Canada +1-352-323-3500

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of substance or mixture

Product definition: Mixture

Classification in accordance with 29 CFR 1910 (OSHA HCS) and Regulation EC No. 1272/2008

Flammable liquid - Category 2 [H225]

Eye Irritant - Category 2A [H319]

Specific target organ toxicity, single exposure - Category (STOT SE 3) [H336]

2.2 Label Elements

Hazard Symbol(s):



GHS02



GHS07

Signal Word:

Danger

Hazard Statement(s):

H225 - Highly flammable liquid and vapor

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness.

Precautionary Statements:

[Prevention]

P210 - Keep away from heat, sparks, open flames and hot surfaces. No smoking.

P233 - Keep container tightly closed.

P240 - Ground and bond container and receiving equipment.

P241 + P242 - Use explosion-proof electrical, ventilating, lighting and mixing equipment. Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing fumes, mists, vapors and spray.

P264 - Wash hands thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.

[Response]

P303 + P361 + P353 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water or shower.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a comfortable position for breathing.

P312 - Call a POISON CENTER or a doctor if you feel unwell.

P370 + P378 - In case of fire: Use water fog or spray, foam, dry chemical or carbon dioxide for extinction.

[Storage]

P405 + P403 + P235 - Store locked up in well-ventilated place. Keep cool.

[Disposal]

P501 - Dispose of contents and containers in accordance with national and local regulations.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Repeated exposure may cause skin dryness or cracking.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable

3.2 Mixtures

% by Weight	Ingredient	CAS Number	EC Number	Annex Number	GHS Classification
87 - 93	Isopropanol	67-63-0	200-661-7	603-117-00-0	H225, H319, H336

There are no ingredients present in this product which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4 - FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: If product mist or vapor causes respiratory irritation or distress, move the exposed person to fresh air immediately. If breathing is difficult or irregular, administer oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. If unconscious, maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If irritation persists or if the victim feels unwell, seek medical attention.

Eyes: Immediately flush eyes with large amounts of water or saline solution for at least 15 minutes, occasionally lifting the upper and lower lids. Remove contact lenses, if present and easy to do, after first 2 minutes and continue rinsing. If irritation persists seek medical advice, preferably from an ophthalmologist.

Skin: Flush skin with large amounts of water while removing contaminated clothing. Wash the affected area with soap and water followed by thorough rinsing. Wash contaminated clothing and shoes before reuse. If irritation persists, seek medical attention.

Ingestion: Rinse mouth with water if the victim is conscious. Remove dentures, if present. DO NOT induce vomiting unless directed to do so by medical personnel. Vomiting may occur spontaneously. To prevent aspiration of material into the lungs, lay the victim on one side with the head lower than the waist. Never give anything by mouth to an unconscious or convulsing person. Do not leave the victim unattended. Seek immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Potential health symptoms and effects

Eyes: Causes serious eye irritation with inflammation, swelling, pain and tearing. Vapor or mist can cause eye irritation.

Skin: May cause skin irritation with localized redness, itching and discomfort. Prolonged contact with unprotected skin may cause defatting of the skin and dermatitis.

Inhalation: May cause irritation of the upper respiratory system. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, drowsiness, dizziness, unconsciousness and coma. May cause narcotic effects in high concentration.

Ingestion: May cause irritation of the digestive tract with nausea, vomiting, abdominal pain and diarrhea. May cause central nervous system depression characterized by excitement, followed by headache, dizziness, drowsiness and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. May cause kidney damage.

Chronic: Prolonged or repeated skin contact may cause defatting of the skin and dermatitis or aggravate existing skin conditions. Isopropanol is a possible human carcinogen. Refer to Section 11.2.

4.3 Indication of any immediate medical attention and special treatment needed

Advice to doctor and hospital personnel

Effects may be delayed. Treat symptomatically and supportively.

SECTION 5 - FIRE FIGHTING MEASURES

5.1 Extinguishable media

Suitable methods of extinction: Use extinguishing media such as water spray or fog, carbon dioxide, foam and dry chemical.

Unsuitable methods of extinction: Water jets or streams may spread the fire. This material floats on water.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapor. Alcohol flames may not be readily visible. Vapors are heavier than air and can travel along the ground to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. Exposure to ignition sources (e.g cell phones) can ignite vapors, causing a flash fire. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent or may be delayed. Obtain medical attention.

Explosion hazards: Avoid sources of ignition. Vapors may form an explosive mixture with air, especially in confined spaces.

5.3 Advice for firefighters

Firefighters should wear full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. Be aware that burning liquid will float on water.

Firefighters must control runoff to prevent environmental contamination. Notify appropriate authorities of potential fire and explosion hazard if liquid enters sewers or waterways.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

In case of product leakage, clean up spills immediately. Ventilate the area. Remove sources of ignition. NO SMOKING. Clean up spills immediately. Spills create a slip hazard.

6.2 Environmental precautions

Avoid dispersal of spilled material or runoff and prevent contact with soil and entry into drains, sewers or waterways.

6.3 Methods and materials for containment and cleaning up

Small spills can be wiped up with absorbent material (e.g. cloth, fleece). Cover large spill with inert absorbent. Do not use combustible material such as sawdust. Collect material and place into an approved container for proper disposal. Dispose of in accordance with state and local regulations.

6.4 Reference to other sections

For indications about waste treatment, see Section 13.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for safe handling

Do not get in eyes or on skin or clothing. Do not inhale mist or vapor. DO NOT SMOKE when using this product.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces and sources of ignition. Vapors are heavier than air and can travel along the ground to a source of ignition and flash back.

7.2 Conditions for safe storage, including any incompatibilities

Store in dry, cool, well-ventilated areas away from heat, sparks and sources of ignition. Keep tightly closed when not in use. Protect containers against physical damage. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Containers are hazardous when empty as they contain product residues. Ventilate closed areas. Do not take internally. Keep out of reach of children.

7.3 Specific end uses

Apart from the uses mentioned in Section 1.2, no other specific uses are stipulated.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values

CAS Number	Ingredient	OSHA PEL	ACGIH TLV	NIOSH
67-63-0	Isopropanol	400 ppm; 980 mg/m ³ TWA	400 ppm; 941 mg/m ³ TWA 400 ppm; 984 mg/m ³ STEL	400 ppm; 980 mg/m ³ TWA

8.2 Exposure controls

Engineering measures: Engineering measures are not required under normal conditions of use. Use adequate ventilation. Local exhaust is preferable.

Individual protection measures: DO NOT SMOKE when using this product.

Hygiene measures: Wash hands thoroughly after use, before eating, drinking, smoking or using the lavatory.

Eye/face protection: Eye protection not required under normal conditions.

Hand Protection: Protective gloves are not required under normal conditions.

Skin protection: Protective clothing is not required under normal conditions.

Respiratory protection: No respirator is required under normal conditions of use.

Environmental exposure controls: Do not empty into drains.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear, colorless liquid saturated into non-woven wipe
Odor	Alcoholic
Odor Threshold	1.0 - 196.1 ppm
Molecular Weight	60.10 g/mol
Chemical Formula	C ₃ H ₈ O
pH	Neutral @ 20 °C
Freezing/Melting Point	-89.5 °C (-129.1 °F)
Boiling Point	82 °C (180 °F)
Evaporation Rate	3 (Air = 1)
Flammability (solid, gas)	Not applicable
Flash Point Range	12 °C (53.6 °F)
Autoignition Temperature	425 °C (797 °F)
Decomposition Temperature	No data available
Lower Explosive Limit (LEL)	2% (v)
Upper Explosive Limit (UEL)	12.7% (v)
Vapor Pressure	32.4 mm Hg @ 20 °C
Vapor Density	No data available
Specific Gravity of Liquid	0.785 @ 25 °C
Density of Liquid	0.785 g/ml (6.55 lb/gal) @25 °C
Viscosity	No data available
Solubility in Water	Soluble
Partition Coefficient: n-octanol/water	log Pow = 0.05
Oxidizing Properties	Not applicable
Explosive Properties	Not applicable
Volatiles by Weight @ 21 °C	100% (liquid)

9.2 Other data

None known

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Under normal conditions of storage and use, hazardous reactions will not occur.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

Vapors may form explosive mixture with air.

Hazardous polymerization will not occur.

10.4 Conditions to avoid

Keep away from sources of ignition, hot surfaces, open flames and incompatible materials. Avoid use in confined areas.

10.5 Incompatible materials

Strong oxidizers, acids, acid anhydrides, aluminum, halogenated compounds

10.6 Hazardous decomposition products

Thermal decomposition products include oxides of carbon.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity

LD₅₀, rat - 5,046 mg/kg

Acute inhalation toxicity

LC₅₀, rat - 37.5 mg/l, 4 h

Acute dermal toxicity

LD₅₀, rabbit - 12,800 mg/kg

Skin irritation

Causes skin irritation.

Eye irritation

Causes serious eye irritation.

Sensitization

No data available

Genotoxicity in vitro

No data available

Mutagenicity

No data available

Specific organ toxicity - single exposure

May be irritating to the respiratory tract. May cause drowsiness or dizziness.

Specific organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

11.2 Further information

Isopropanol (CAS #67-63-0): IARC, Group 3 carcinogen - *Not classifiable as to its carcinogenicity to humans*. Not listed as a carcinogen by ACGIH, NTP or OSHA.

No data is available regarding the mutagenicity or teratogenicity of this product, nor is there any available data that indicates it causes adverse developmental or fertility effects.

Handle in accordance with good industrial hygiene and safety practice.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Toxicity

Large or frequent spills may have a harmful or damaging effect on aquatic life and the environment.

12.2 Persistence and degradability

This product is readily biodegradable.

12.3 Bioaccumulation potential

This product will not bioaccumulate.

12.4 Mobility in soil

Mobility in soil is high and may cause contamination of ground water.

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Additional ecological information

Do not allow material to run into surface waters, wastewater or soil.

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Methods of disposal: The generation of waste should be avoided or minimized whenever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of

environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

RCRA F-Series: No listings above the reportable threshold (de minimis)

RCRA U-Series: No listings above the reportable threshold (de minimis)

SECTION 14 - TRANSPORT INFORMATION

Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

USA DOT (Ground Transportation) - Bulk and Non-bulk

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol)
Hazard Class: 4.1
UN/NA: UN3175
Packing Group: II
NAERG: Guide #133
Packaging Authorization: Non-Bulk: 49 CFR 173.212; Bulk: 173.240
Packaging Exceptions: 49 CFR 173.151
Consumer Products: Non-regulated for flammable liquids Packing Group II when inner packagings are not over 1.0 kilogram (2.2 pounds) net capacity each, packed in a strong outer packaging.



IMO/IMDG (Water Transportation)

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol)
Hazard Class: 4.1
UN/NA: UN3175
Packing Group: II
Marine Pollutant: No
EMS Number: F-A, S-I

ICAO/IATA (Air Transportation)

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol)
Hazard Class: 4.1
UN/NA: UN3175
Packing Group: II
Quantity Limitations: 49 CFR 175.27 and 175.75 - Cargo Aircraft Only: 50 kg; Passenger Aircraft: 15 kg

RID/ADR (Rail Transportation)

Proper Shipping Name: Solids containing flammable liquid, n.o.s. (Isopropanol)
Hazard Class: 4.1
UN/NA: UN3175
Packing Group: II

SECTION 15 - REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture

U. S. Federal Regulations

OSHA Hazard Communication Standard: This material is classified as hazardous in accordance with OSHA 29 CFR 1910-1200.

OSHA Process Safety Management Standard: This product is not regulated under OSHA PSM Standard 29 CFR 1910.119.

EPA Risk Management Planning Standard: This product is not regulated under EPA RMP Standard (RMP) 40 CFR Part 68.

EPA Federal Insecticide, Fungicide and Rodenticide Act: This product is not a registered Pesticide under the FIFRA, 40 CFR Part 150.

Toxic Substance Control Act (TSCA) Inventory: All of the substances in this product are listed on the TSCA Inventory. This product is not subject to TSCA 12(b) Export Notification.

Drug Enforcement Administration (DEA) List 2, Essential Chemicals (21 CFR 1310.02(b)) and 1310.4(f)(2)) and Chemical Code Number
No listings

Drug Enforcement Administration (DEA) Lists 1 & 2, Exempt Chemical Mixtures (21 CFR 1310.12(c)) and Code Number
No listings

Department of Homeland Security (DHS) Chemical Facility Anti-Terrorism Standards (CFATS) Chemicals
No listings

Superfund Amendments and Reauthorization Act (SARA)

SARA Section 311/312 Hazard Categories: Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Information: Isopropanol is subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

SARA 302/304 Extremely Hazardous Substance: No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

SARA 302/304 Emergency Planning & Notification: No components of the product exceed the threshold (de minimis) reporting levels established by of these sections of Title III of SARA.

Comprehensive Response Compensation and Liability Act (CERCLA): This product contains no CERCLA reportable substances.

Clean Air Act (CAA)

This product does not contain any chemicals listed as Hazardous Air Pollutants (HAPs) designated in CAA Section 112 (b).

This product does not contain any Class 1 Ozone depletors.

This product does not contain any Class 2 Ozone depletors.

Clean Water Act (CWA)

None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

This product contains no chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

Other U.S. State Inventories

Isopropanol (CAS #67-63-0) is listed on the following State Hazardous Substance Inventories, Right-to-Know lists and/or Air Quality/Air Pollutants lists: CA, DE, ID, ME, MA, MN, NJ, NY, PA, RI, WA, WI.

Canada

WHMIS Hazard Classification

Highly flammable liquid and vapor
Causes serious eye irritation

Canadian National Pollutant Release Inventory (NPRI): Isopropanol is listed on the NPRI.

European Economic Community

WGK, Germany (Water danger/protection): 1 (low hazard to waters)

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out.

SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

Health	* 2
Flammability	3
Physical Hazard	0
Personal Protection	C

C = safety glasses, gloves and an apron

HMIS Hazard Rating Legend

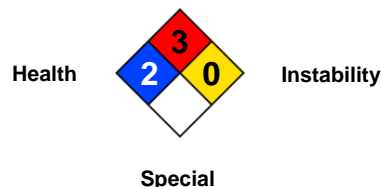
0 = Minimal 1 = Slight 2 = Moderate 3 = Serious
4 = Severe * = Chronic Health Hazard

NFPA Hazard Rating Legend

0 = Insignificant 1 = Slight 2 = Moderate
3 = High 4 = Extreme

National Fire Protection Association (NFPA)

Flammability



Revision Date: 31 October 2017

<end of document>