



FLO Wellness Hand Sanitizer

Version: 2.0

IDENTIFICATION

Product name: Gym Equipment Wipes
Product Code: FWG0201
Recommended use: Laboratory chemicals
Manufacture of substances

Manufacturer, importer, supplier:

FLO Wellness
4651 Sunbelt Dr
Addison, TX 75001
(469) 270-8900
www.FLOWellnessgroup.com

Hazards Identification

Classification of the substance or mixture**Classification according to Regulation (EC) No 1272/2008**

Flammable liquids (Category 2), H225: Highly flammable liquid and vapor.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

R11: Highly flammable

Labelling according Regulation (EC) No 1272/2008

Signal word: Danger

Hazard statement(s) H225: Highly flammable liquid and vapor.

Precautionary statement(s) P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Supplemental Hazard Statements: None

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	%	CAS Number
Water	20% - 30%	7732-18-5
Ethanol	62% - 69%	64-17-5
Glycerin	1% - 5%	56-81-5
Others	<2%	

FIRST AID MEASURES

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact:

Wash off with soap and plenty of water. Consult a physician.



In case of eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the Hazards and/or Toxicological Information.

Indication of any immediate medical attention and special treatment needed:

No data available

FIRE-FIGHTING MEASURES

Suitable extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture:

No data available

Advice for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Further information:

Use water spray to cool unopened containers.

ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see Exposure Controls/Personal Protection.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up:

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see Disposal Considerations).

HANDLING AND STORAGE

Precautions for safe handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Keep away from sources of ignition. No smoking. Take measures to prevent the buildup of electrostatic charge. For additional precautions see Hazards.

Conditions for safe storage, including any incompatibilities:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Hygroscopic.

Specific end use(s):

Apart from the uses mentioned in Identification section, no other specific uses are stipulated

EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Chemical Name ACGIH:	Ethanol 1000 pp
NIOSH:	1000 ppm TWA, 1900 mg/m ³ TWA, 3300 ppm IDLH
OSHA - Final PELs:	1000 ppm TWA, 1900 mg/m ³ TWA
OSHA - Vacated Pels:	1000 ppm TWA, 1900 mg/m ³ TWA

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



Personal Protective Equipment

Eye/face protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: butyl-rubber

Minimum layer thickness: 0,3 mm Break through time: 480 min

Splash contact Material: Nitrile rubber

Minimum layer thickness: 0,2 mm Break through time: 38 min

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body protection:

impervious clothing, Flame retardant antistatic protective clothing,. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains

PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Gel

Color: Colorless

Odor threshold: No information available.

Vapor density: No information available.

Relative Density: 0.79 – 0.90 g/cm³

Vapor pressure: 59.5 hPa at 20.0 °C

Evaporation Rate: No information available.

Initial Boiling Point and Range: 78.0 – 80.0 °C

Melting/Freezing Point: -144.0 °C

pH: 6.0 – 8.5

Flash Point: 14.0 °C - closed cup

Flammability (solid, gas): No information available.

Upper/lower flammability or explosive limits: Lower explosion limit 3.3 % (V); Upper explosion limit: 19% (V)

Water Solubility: Completely soluble

Partition coefficient (n-octanol/water): No information available

Auto-ignition temperature: 363.0 °C



STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions.
Incompatible materials:	Alkali metals, Ammonia, Oxidizing agents, Peroxides
Hazardous decomposition products:	Other decomposition products - No data available In the event of fire: see Fire section.
Conditions to avoid:	Heat, flames and sparks. Extremes of temperature and direct sunlight.
Reactivity:	No information available.

TOXICOLOGICAL INFORMATION

Acute toxicity

LOSO Oral - Rat - 7.060 mg/kg

Remarks: Lungs, Thorax, or Respiration: Other changes.

LCS0 Inhalation - Rat - 10 h - 20000 ppm

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 24 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Mild eye irritation - 24 h

(OECD Test Guideline 405)

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

Carcinogenicity - Mouse - Oral

Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. Blood: Lymphomas including Hodgkin's disease.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable , possible or confirmed human carcinogen by IARC.

Reproductive toxicity

Reproductive toxicity - Human - female - Oral

Effects on Newborn: Apgar score (human only). Effects on Newborn: Other neonatal measures or effects.

Effects on Newborn: Drug dependence.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: KQ6300000

Central nervous system depression, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

**Bioaccumulative potential**

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

DISPOSAL CONSIDERATIONS**Waste treatment methods****Product**

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

TRANSPORT INFORMATION**UN Number**

ADR/RID: 1170 IMDG: 1170 IATA: 1170

UN proper shipping name:

ADR/RID: Ethanol
IMDG: Ethanol
IATAL Ethanol

Transport hazard class:

ADR/RID: 3 IDMG: 3 49CFR: 3 IATA: 3

Packaging group:

ADR/RID: II IDMG: II 49CFR: II IATA: II

Environmental hazards:

ADR/RID: no IDMG Marine pollutant: no 49CFR: no IATA: no

REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

OTHER INFORMATION

This MSDS contains valuable information critical to the safe handling and proper use of the products. This MSDS should be retained and available for employees and other users of the products.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.