



# MATERIAL SAFETY DATA SHEET

## Safegel Brand® Warming Gel/Lighting Gel

Last Updated June 12, 2012

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Directives

### 1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED):

PRODUCT DESCRIPTION:

Safegel Brand® Warming Gel/Lighting Gel

Safegel Brand Warming Gel and Lighting Gel is a transparent Gel (solid) that burns clean, smokeless, fumeless and does not produce carbon monoxide. It is used for warming, heating food on chafing dishes and also to start the fire on BBQ grill and fireplaces. Our product can be used indoors or outdoors.

Flammable Solid, Organic, n.o.s. (Contains Ethanol)

UN1325

CHEMICAL SHIPPING NAME/CLASS:

U.N. NUMBER:

MANUFACTURER'S NAME:

**SAFEGEL GROUP, LLC**

ADDRESS:

6160 N.W. 74 Avenue

Miami, FL 33166 USA

(888) 435-4717

(305) 592-0004 (For product information)

EMERGENCY PHONE:

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DATE OF PREPARATION:

June 12, 2012

DATE OF LAST REVISION:

New

### 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW:** Danger!

**Product Description:** This product is a clear colorless solid gel with a slight odor.

**Health Hazards:** Harmful if swallowed or inhaled. Contact may cause irritation to skin and eyes. Inhalation of high concentrations may cause headache, dizziness, drowsiness or central nervous system effects.

**Flammability Hazards:** Flammable with flash point of >16°C (>60°F).

**Reactivity Hazards:** This product is not reactive.

**Environmental Hazards:** Release of this product may cause adverse effects to the aquatic environment.

**Emergency Recommendations:** Emergency responders must have personal protective equipment and fire protection appropriate for the situation to which they are responding.

**EU LABELING AND CLASSIFICATION:** This product meets the definition of a hazardous substance or preparation according to EU Regulations (EC) No 1272/2008.

**INDEX NUMBER:**

**EC# 200-578-6 Annex1 Index# 603-002-00-5**

**EC# 231-791-2 This substance is not classified in the Annex I of Directive 67/548/EEC**

**GHS CLASSIFICATIONS:**

Flammable Solid Category 2

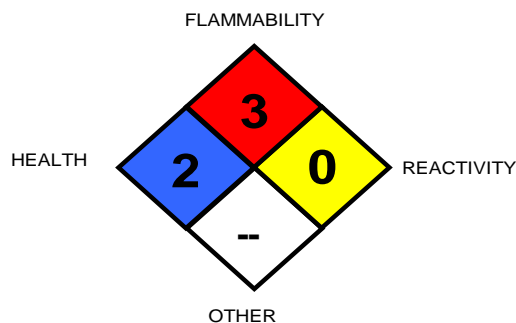
**SIGNAL WORD :** Danger



**HAZARD STATEMENT:**

H225: Flammable

HAZARDOUS MATERIAL IDENTIFICATION SYSTEM			
HEALTH HAZARD (BLUE)			2
FLAMMABILITY HAZARD (RED)			3
REACTIVITY (YELLOW)			0
PROTECTIVE EQUIPMENT			
EYES	RESPIRATORY	HANDS	BODY
	SEE SECTION 8		SEE SECTION 8
For Routine Industrial Use and Handling Applications			



Scale: 0 = Minimal 1 = Slight 2 = Moderate  
3 = Serious 4 = Severe \* = Chronic hazard



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### PREVENTION STATEMENT :

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking

P233: Keep container tightly closed when not in use

P262: Do not get in eyes, on skin, or on clothing

### RESPONSE STATEMENT:

P363 Wash contaminated clothing before reuse.

P303+361+353 IF ON SKIN : Remove/Take off immediately all contaminated clothing, Rinse SKIN with water/shower.

P333 + P313 IF skin irritation or rash occurs : Get medical advice/attention.

### HEALTH EFFECTS OR RISKS FROM EXPOSURE:

#### ACUTE:

**INHALATION:** Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.

**SKIN:** Causes moderate skin irritation. May cause cyanosis of the extremities.

**EYES:** Causes severe eye irritation. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal damage.

**INGESTION:** May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause systemic toxicity with acidosis. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea.

**CHRONIC:** This product contains ethanol which may cause reproductive and fetal effects.

### 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	WT%	CAS#	EINECS #	Hazard Classification	Risk Phrases
Ethanol	70 – 80%	64-17-5	200-578-6	[F] Flammable	R11
Water	14 – 24%	7732-18-5	231-791-2	None	None
Non-Hazardous Ingredients	3 – 6%	Not Assigned	Not Listed	None	None
Balance of other ingredients are considered non-hazardous or hazardous in less than 1% concentration (or 0.1% for carcinogens, reproductive toxins, or respiratory sensitizers).					

NOTE: ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2010 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

### 4. FIRST-AID MEASURES

**SKIN EXPOSURE:** If this product contaminates the skin, begin decontamination with running water. Minimum flushing is for 5 minutes. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effect occurs.

**EYE EXPOSURE:** If this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open eyelids. Remove contact lenses if worn. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual must seek medical attention if irritation develops or persists or if visual changes occur.

**INHALATION:** If vapors/mists generated by this product are inhaled, remove contaminated individual to fresh air. If necessary, use artificial respiration to support vital functions. **SEEK IMMEDIATE MEDICAL ATTENTION.**

**INGESTION:** If this product is swallowed, **CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.** **DO NOT** induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow. **SEEK IMMEDIATE MEDICAL ATTENTION.**



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**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with pre-existing skin and respiratory conditions may be more susceptible to effects of this material.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

### 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** >16°C (>60°F)

**AUTOIGNITION TEMPERATURE:** 363 deg C ( 685.40 deg F)

**FLAMMABLE LIMITS (in air by volume, %):** Lower 3.3% Upper 19.0%

**FIRE EXTINGUISHING MATERIALS:** Use fire extinguishing methods listed below:

Water Spray: Yes

Carbon Dioxide: Yes

Foam: Yes

Dry Chemical: Yes

Halon: Yes

Other: Any "C" Class

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Containers may explode in the heat of a fire.

Explosion Sensitivity to Mechanical Impact: No

Explosion Sensitivity to Static Discharge: No

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Evacuate unprotected personnel from the area. Maintain adequate ventilation. Follow personal protective equipment recommendations found in section 8. Contain and recover if possible. Use non-sparking tools and equipment. Cover or absorb spilled material with sand, earth or other inert material. Clean up spill immediately and place in appropriate containers. Do not discharge to sewers and surface waters. Notify authorities if entry occurs. Remove all sources of ignition.

U.S. Regulations (CERCLA) requires reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

Dispose of in accordance with U.S. Federal, State, and local hazardous waste disposal regulations and those of Canada and its Provinces, those of Australia, Japan and EU Member States (see Section 13, Disposal Considerations).

### 7. HANDLING and STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** As with all chemicals, avoid getting this product ON YOU or IN YOU.

Wash thoroughly after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label.

**STORAGE AND HANDLING PRACTICES:** Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Keep away from direct sunlight and heat and avoid all possible sources of ignition (spark or flame).

### 8. EXPOSURE CONTROLS - PERSONAL PROTECTION

Chemical Name	CAS#	ACGIH TLV	OSHA TWA
Ethanol	64-17-5	1000 ppm	1000 ppm
Water	7732-18-5	Not Listed	Not Listed



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**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use a chemical fume hood or local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

*The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.*

**RESPIRATORY PROTECTION:** Not normally required with this product. Maintain airborne contaminant concentrations below guidelines listed above, if applicable. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states.

**EYE PROTECTION:** Use chemical safety goggles and/or a full face shield where splashing is possible to prevent eye contact. Maintain eye wash fountain and quick-drench facilities in work area. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.

**SKIN PROTECTION:** Not normally required with this product. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

### 9. PHYSICAL and CHEMICAL PROPERTIES

**VAPOR DENSITY:** 1.59

**% VOLATILE:** 100%

**SOLUBILITY IN WATER:** Miscible

**VAPOR PRESSURE:** 59.3 mm Hg @ 20 deg C

**ODOR:** Slight

**APPEARANCE and COLOR:** Clear colorless gel (solid)

**EVAPORATION RATE (n-BuAc=1):** Not Available

**MELTING/FREEZING POINT:** -114.1 deg C

**BOILING POINT:** 78 deg C

**pH:** Not Available

**SPECIFIC GRAVITY:** 0.790 @ 20°C

### 10. STABILITY and REACTIVITY

**STABILITY:** Stable under conditions of normal storage and use.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide and carbon monoxide may form when heated to decomposition.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** Strong oxidizers.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur.

**CONDITIONS TO AVOID:** Heat, flames, ignition sources and incompatibles.

### 11. TOXICOLOGICAL INFORMATION

#### **TOXICITY DATA:**

CAS# 64-17-5:

Draize test, rabbit, eye: 500 mg Severe;

Draize test, rabbit, eye: 500 mg/24H Mild;

Draize test, rabbit, skin: 20 mg/24H Moderate;

Inhalation, mouse: LC50 = 39 gm/m<sup>3</sup>/4H;

Inhalation, rat: LC50 = 20000 ppm/10H;

Oral, mouse: LD50 = 3450 mg/kg;

Oral, rabbit: LD50 = 6300 mg/kg;

Oral, rat: LD50 = 7060 mg/kg;

Oral, rat: LD50 = 9000 mg/kg;<BR.



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-----\Cancer Lists\-----

Ingredient	---NTP Carcinogen---		IARC Category
	Known	Anticipated	
All Ingredients	No	No	No

### 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**ENVIRONMENTAL STABILITY:** When released into water, this material may biodegrade to a moderate extent. This material may bioaccumulate to some extent. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition.

**CHEMICAL EFFECT ON PLANTS, ANIMALS AND AQUATIC LIFE:** Fish: Rainbow trout: LC50 = 12900-15300 mg/L; 96 Hr; Flow-through @ 24-24.3°C Fish: Rainbow trout: LC50 = 11200 mg/L; 24 Hr; Fingerling (Unspecified) Bacteria: Phytobacterium phosphoreum: EC50 = 34900 mg/L; 5-30 min; Microtox test When spilled on land it is apt to volatilize, biodegrade, and leach into the ground water, but no data on the rates of these processes could be found. Its fate in ground water is unknown. When released into water it will volatilize and probably biodegrade. It would not be expected to adsorb to sediment or bioconcentrate in fish.

### 13. DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

### 14. TRANSPORTATION INFORMATION

US DOT, IATA, IMO, ADR:

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is classified (per 49 CFR 172.101) by the U.S. Department of Transportation, as follows.

**PROPER SHIPPING NAME:** FLAMMABLE, SOLID, ORGANIC, N.O.S. (CONTAINS ETHANOL)

**HAZARD CLASS NUMBER and DESCRIPTION:** Flammable Solid Class 4.1

**UN IDENTIFICATION NUMBER:** UN 1325

**PACKING GROUP:** PG III

**DOT LABEL(S) REQUIRED:** Flammable Solid Class 4.1

**NORTH AMERICAN EMERGENCY RESPONSE GUIDEBOOK NUMBER:** 133

**RQ QUANTITY:** None

**MARINE POLLUTANT:** The components of this product are designated by the Department of Transportation to be Marine Pollutants (49 CFR 172.101, Appendix B).

INTERNATIONAL AIR TRANSPORT ASSOCIATION SHIPPING INFORMATION (IATA): This product is considered as dangerous goods.

INTERNATIONAL MARITIME ORGANIZATION SHIPPING INFORMATION (IMO): This product is considered as dangerous goods.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is considered by the United Nations Economic Commission for Europe to be dangerous goods.



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### 15. REGULATORY INFORMATION

#### UNITED STATES REGULATIONS:

**U.S. SARA REPORTING REQUIREMENTS:** The components of this product are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for the components of this product. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lbs (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** None

**U.S. TSCA INVENTORY STATUS:** The components of this product are listed on the TSCA Inventory or are exempted from listing.

#### STATE REGULATIONS:

CAS# 64-17-5 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** Ingredient(s) within this product are on the Proposition 65 Lists.

**WARNING:** This product contains Ethanol, a chemical known to the state of California to cause developmental reproductive toxicity.

#### CANADIAN REGULATIONS:

**CANADIAN DSL/NDL INVENTORY STATUS:** The components of this product are on the DSL Inventory, or are exempted from listing.

**OTHER CANADIAN REGULATIONS:** Not applicable.

#### **CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:**

**WHMIS:** This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** CLASS B Division 4: Flammable Solid.



#### EUROPEAN ECONOMIC COMMUNITY INFORMATION:

**EU LABELING AND CLASSIFICATION:** This product meets the definition of the following hazard class as defined by the European Economic Community Guidelines.

**EU CLASSIFICATION:** [F] Flammable

**EU RISK PHRASES:** R11: Flammable

**EU SAFETY PHRASES:** S 16 Keep away from sources of ignition - No smoking, S 33 Take precautionary measures against static discharges, S 7 Keep container tightly closed, S 9 Keep container in a well-ventilated place.



**AUSTRALIAN INFORMATION FOR PRODUCT:** The components of this product are listed on the International Chemical Inventory list.

#### JAPANESE INFORMATION FOR PRODUCT:

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

**JAPANESE ENCS INVENTORY:** The components of this product are on the ENCS Inventory as indicated in the section on International Chemical Inventories, below.

**POISONOUS AND DELETERIOUS SUBSTANCES CONTROL LAW:** No component of this product is a listed Specified Poisonous Substance under the Poisonous and Deleterious Substances Control Law.





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### **INTERNATIONAL CHEMICAL INVENTORIES:**

Listing of the components on individual country Chemical Inventories is as follows:

Asia-Pac: Listed  
Australian Inventory of Chemical Substances (AICS): Listed  
Korean Existing Chemicals List (ECL): Listed  
Japanese Existing National Inventory of Chemical Substances (ENCS): Listed  
Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed  
Swiss Giftlist List of Toxic Substances: Listed  
U.S. TSCA: Listed

### **16. OTHER INFORMATION**

Prepared By: Paul Eigbrett (MSDS Authoring Services)

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of SAFEGEL GROUP, LLC. The data on this sheet are related only to the specific material designated herein. SAFEGEL GROUP, LLC assumes no legal responsibility for use or reliance upon these data.

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**END OF MSDS SHEET**