

NFPA	HMIS	PPE						
	<table border="1"> <tr> <td>Health Hazard</td> <td>1</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>0</td> </tr> </table>	Health Hazard	1	Fire Hazard	0	Reactivity	0	
Health Hazard	1							
Fire Hazard	0							
Reactivity	0							

Issuing Date 28-Apr-2010

Revision Date 09-Jun-2011

Revision Number 2

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name FLAMEBLOC GS 200

Supplier Address
 Buckman Laboratories, Inc.
 1256 North McLean Blvd.
 Memphis, TN 38128
 USA
 TEL: 1-800-BUCKMAN

Company Emergency Phone Number 1-901-767-2722

2. HAZARDS IDENTIFICATION

May be harmful if swallowed, inhaled, or absorbed through skin
 May cause skin and eye irritation
 May cause central nervous system depression

Appearance Clear to slightly cloudy

Physical State Liquid.

Odor No information available

Potential Health Effects

Principle Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

May cause irritation.

Skin

May be harmful if absorbed through skin. May cause irritation.

Inhalation

May be harmful if inhaled. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion

May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

Chronic Effects

May cause adverse liver and kidney effects. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Aggravated Medical Conditions

Pre-existing eye disorders. Skin disorders. Respiratory disorders. Liver disorders. Kidney disorders. Central nervous system.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

Chemical Name	CAS-No	Weight %
Isopropyl alcohol	67-63-0	<=2.7

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Skin Contact	Wash off with water. If symptoms persist, call a physician.
Inhalation	Move to fresh air in case of accidental inhalation of vapors or decomposition products. If symptoms persist, call a physician.
Ingestion	Call a physician or Poison Control Center immediately. Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable.			
Flash Point	Not combustible.			
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.			
Hazardous Combustion Products	Carbon oxides. Phosphorus oxides. Ammonia.			
Specific Hazards Arising from the Chemical	Contact with metals may evolve flammable hydrogen gas.			
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards N/A
HMIS	Health Hazard 1	Flammability 0	Physical Hazard 0	Personal Protection B

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak.
Environmental Precautions	Refer to protective measures listed in Sections 7 and 8.
Methods for Containment	Prevent further leakage or spillage if safe to do so.
Methods for Cleaning Up	Dam up. Soak up with inert absorbent material. Keep in suitable and closed containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

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Handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Ensure adequate ventilation.
Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 4 and 32 °C (40 and 90 °F). May liberate flammable hydrogen gas after long term storage of liquid in metal container. Store only in stainless steel, plastic or glass vessels.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³

Immediately Dangerous to Life or Health.

Engineering Measures	Showers Eyewash stations Ventilation systems
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Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Safety glasses with side-shields.
Protective gloves. Lightweight protective clothing.
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Full face piece respirator with organic vapor/acid gas cartridge or canister.

Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.
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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to slightly cloudy.	Odor	No information available
Physical State	Liquid	pH	2-3
Flash Point	Not combustible.	Boiling Point/Boiling Range	100°C / 212°F
Melting Point/Range	No information available		
Flammability Limits in Air	No information available.		
Specific Gravity	1.18-1.23 g/ml	Solubility	Soluble in water
Evaporation Rate	No information available	Vapor Pressure	No data available
Vapor Density	No data available		

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage conditions.
Incompatible Products	Strong oxidizing agents. Acids. Alkalis. Contact with metals may evolve flammable hydrogen gas.
Conditions to Avoid	Incompatible products.
Hazardous Decomposition Products	Carbon oxides.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Product Information May be harmful by inhalation, ingestion, or skin absorption. May cause eye and skin irritation.
LD50 Oral VALUE >5000 mg/kg (rat)

Chronic Toxicity

Chronic Toxicity May cause adverse liver and kidney effects. May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol		Group 3		

IARC: (International Agency for Research on Cancer)
 Group 3: Not Classifiable as to its Carcinogenicity to Humans
OSHA: (Occupational Safety & Health Administration)
 X - Present

Target Organ Effects Eyes. Respiratory system. Skin. Liver. Kidney. Central nervous system (CNS).

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Effects The environmental impact of this product has not been fully investigated.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging Do not re-use empty containers.

California Hazardous Waste Codes 135

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Isopropyl alcohol	Toxic Ignitable

14. TRANSPORT INFORMATION

Note: The shipping description is specified to the container and mode of shipment. Please refer to the shipping papers for this information. If you have additional questions, please call 1-800-BUCKMAN.

15. REGULATORY INFORMATION

FDA (Food and Drug Administration)
 This product is allowed under the following FDA (21 CFR) sections: Not available.

BfR (Bundesinstitut für Risikobewertung)

This product meets the requirement of Bundesinstitut für Risikobewertung (BfR) under: Not available.

International Inventories**TSCA**

All components are listed on the TSCA Inventory.

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

16. OTHER INFORMATION

Prepared for	Buckman Laboratories, Inc. 1256 North McLean Memphis, TN 38108 1-800-BUCKMAN
Issuing Date	28-Apr-2010
Revision Date	09-Jun-2011
Revision Note	Change to physical properties.

General Disclaimer

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. Any use of this product or method of application which is not described in the Data Sheet is the responsibility of the user. This Material Data Safety Sheet was prepared to comply with the OSHA Hazard Communication regulations. While some components are claimed Trade Secret under OSHA Hazard Communication regulations, all known OSHA hazards associated with the Trade Secret component(s), if contained in this product, are fully disclosed.

Buckman Laboratories, Inc. warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions.

Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

The exclusive remedy against seller shall be in a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort.

Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgment upon the rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

End of Safety Data Sheet