



MATERIAL SAFETY DATA SHEET

MSDS #: FH/C/2006/BRRM-6QANVV

Issue Date:

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SECTION I - CHEMICAL PRODUCT

Identity: **Heavy Duty Floor Cleaner****Finished Product**Brands: **DAWN**

P&G Telephone Number: 1-800-332-7787

or call Local Poison Control Center or your physician.

SECTION II - COMPOSITION AND INGREDIENTS

Cleaning and sudsing agents (anionic surfactants), dispensing aid (ethyl alcohol), water, builders, stabilizing agents, colorants, and perfume.

Hazardous Ingredients as defined by OSHA, 29 CFR 1910.1200. and/or WHMIS under the HPA:

<u>Chemical Name</u>	<u>Common Name</u>	<u>CAS No.</u>	<u>Composition Range</u>	<u>LD50 (Oral, Rats)</u>
Ethanol	Ethyl alcohol	64-17-5	1-5%	7.1 g/kg
Linear Alkyl Benzene	Sodium Alkyl	68081-81-2	3-7%	0.65-1.26 g/kg
Sulfonic Acid, Sodium Salt	Benzene Sulfonate			

SECTION III - HAZARDS IDENTIFICATION

Potential Health Hazards (Acute and Chronic): (See Section 11 for more information)

Ingestion: May cause transient gastrointestinal irritation

Eye Contact: May cause moderate, transient irritation

Skin Contact: Prolonged contact with concentrated product may be drying or irritating to skin

Inhalation: Prolonged inhalation may result in nasal irritation.

Signs and Symptoms of Exposure:

Ingestion: May result in nausea, vomiting and/or diarrhea.

Eye Contact: May cause stinging, tearing, itching, swelling and/or redness

Skin Contact: May be drying or irritating to skin

Inhalation: Prolonged inhalation may result in nasal irritation.

Medical Conditions Generally Known to be Aggravated by Exposure:

Potential Environmental Effects: (See Section 12 for more information)

SECTION IV – FIRST AID INFORMATION**First Aid Procedures:**

Ingestion: Drink 1 or 2 large glasses of water. If large amounts are ingested, call a physician.

Eye Contact: Flush with large amounts of water for at 10-15 minutes.

Skin Contact: Rinse skin thoroughly with water. Discontinue use.

Inhalation: Remove from source into fresh air.

Note to Physician: (if applicable)

Other: Product package has the following precautionary statement: CAUTION: May cause eye irritation. Eye irritant. Avoid eye contact. Eye contact may result in mild to moderate transient irritation unless rinsed immediately and thoroughly with water. If eye contact occurs, flush with water for 15 minutes. If irritation persists, seek medical attention. KEEP OUT OF REACH OF CHILDREN.

SECTION V - FIRE FIGHTING INFORMATION

Flash Point (Method Used):): 134°F (57°C) TCC

Although this product has a flash point below 200°F (93.3°C), it is a >50% aqueous solution that does not sustain combustion.

Flammable Properties:

Upper Flammable Limit:

Lower Flammable Limit:

Explosive Limits: UEL: N/A LEL: N/A

Auto-ignition Temperature:

Hazardous Combustion Products:

Explosion Data (Sensitivity to Mechanical Impact):

Explosion Data (Sensitivity to Static Discharge):

Extinguishing Media:

Suitable: CO₂, water, or dry chemical

Unsuitable:

Protection of Firefighters:

Specific Hazards Arising from the Material:

Protective Equipment and Precautions for Firefighters:

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: None

Environmental Precautions: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. The product waste is not considered RCRA hazardous since it is an aqueous solution (>50% water) that contains less than 24% by volume of alcohol.

Do not landfill. Incineration is the preferred disposal method. Discard empty container in trash.

Methods for Containment: Contain the spill. Try to prevent large quantities from reaching waterway or sewer. Use sorbents if needed. Dispose of resulting waste as appropriate.

Methods for Cleanup: Flush small quantities down acceptable sewer. Dispose of according to local regulations.

Other Information: (if applicable)

SECTION VII – HANDLING AND STORAGE

Precautions To Be Taken in Handling: None required

Precautions To Be Taken in Storage: None

SECTION VIII - EXPOSURE CONTROLS, PERSONAL PROTECTION**Exposure Guidelines:****Engineering Controls:****Personal Protective Equipment (PPE):**

Eye Protection: If eye contact with undiluted product is likely, chemical goggles may be needed.

Skin Protection: Protective gloves (rubber, neoprene) should be used for any prolonged direct contact.

Respiratory Protection: None required with normal use.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): Orange liquid with floral scent.

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Although this product has a flash point below 200 °F (93.3°C), it is a >50% aqueous solution that does not sustain combustion.

Odor: Perfumed

Reserve Alkalinity: N/A

Odor Threshold: N/A

Solubility in Water: Complete

Physical State: Liquid

Decomposition Temperature: N/A

Vapor Pressure (mm Hg): N/A

Evaporation Rate (nBuOAc=1): N/A

Vapor Density (Air=1): N/A

Specific Gravity/Density (H₂O=1): 1.11

Boiling Point: N/A

Melting/Freezing Point: N/A

Partition Coefficient (n-octanol/water): N/A

pH (100%): 10.6

SECTION X - STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: None known.

Incompatible Materials: None known.

Hazardous Decomposition Products: None known.

Possibility of Hazardous Reactions: None.

SECTION XI - TOXICOLOGICAL INFORMATION

This product has a low order of toxicity. The product may be irritating but it is not corrosive. Upon ingestion, it may be emetic.

LD50 (rats oral): > 2 g/kg

Emetic Dose50 estimated 2-3 ml/kg

SECTION XII - ECOLOGICAL INFORMATION

Based on ecotoxicity and fate data for the individual ingredients in the specific formulation and for related cleaning product formulations, it is expected that this product would be non-hazardous at relevant environmental concentrations. This product is safe for septic tanks.

SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method: DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATIONS. The product waste is not considered RCRA hazardous since it is an aqueous solution (>50% water) that contains less than 24% by volume of alcohol.

Industrial Setting: Incineration is preferred. Do not landfill liquids. Discard empty container in trash.

SECTION XIV - TRANSPORT INFORMATION

Ground Transport (DOT): Not regulated; aqueous solutions of ethanol containing <24% ethanol are not subject to regulation under these rules.

Air Transport (IATA): Not regulated

Marine/Water Transport (IMDG): Not regulated.

SECTION XV - ADDITIONAL REGULATORY INFORMATION

All intentionally-added components of this product are listed on the US TSCA Inventory.

All ingredients are CEPA approved for import to Canada by Procter & Gamble. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this MSDS contains all information required by the Controlled Products Regulations.

SECTION XVI - OTHER INFORMATION

P&G Hazard Rating:	Health: 1	4=EXTREME
	Flammability: 0	3=HIGH
	Reactivity: 0	2=MODERATE
		1=SLIGHT
		0=NOT SIGNIFICANT

*N/A. - Not Applicable

*N/K. - Not Known

Data supplied is for use only in connection with occupational safety and health.

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