

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Hardfloor Cleaner Aerosol  
Product Number: C4000-12  
CAS Number: Blend

HARRIS RESEARCH, INC.

### Company Identification

Harris Research, Inc.  
1530 North 1000 West  
Logan, UT 84321 USA  
1-435-755-0099 (For product information)  
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### COMPONENT LISTING:

| <u>Chemical Name</u>        | <u>Amount</u>  | <u>CAS Number</u> |
|-----------------------------|----------------|-------------------|
| WATER                       | 60.0 - 100.0 % | 7732-18-5         |
| ISOPROPANOL                 | 1.0 - 5.0 %    | 67-63-0           |
| DIMETHYL ETHER (PROPELLANT) | 10.0 - 30.0 %  | 115-10-6          |

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

## 3. HAZARDS IDENTIFICATION

```
***** EMERGENCY OVERVIEW *****
*
* CAUTION
*
* Contents under pressure.
*
*****
```

NFPA Rating - Health: 1  
Flammability: 2  
Reactivity: 0



(section 3 continued)

#### **POTENTIAL HEALTH EFFECTS**

##### **EYE:**

Moderately irritating to the eyes.

##### **SKIN:**

Prolonged or repeated contact may result in drying of the skin which may result in skin irritation and dermatitis.

##### **INHALATION:**

Prolonged or excessive inhalation may cause respiratory tract irritation.

##### **INGESTION:**

May be harmful if swallowed.

##### **CARCINOGENICITY INFORMATION:**

Not listed by IARC, OSHA, or NTP as a carcinogen.

#### **4. FIRST AID MEASURES**

##### **EYE CONTACT FIRST AID:**

Flush eye with water for 15 minutes. Get medical attention if irritation develops.

##### **SKIN CONTACT FIRST AID:**

Wash skin with water.

##### **INHALATION FIRST AID:**

Remove to fresh air.

##### **INGESTION FIRST AID:**

Give victim a glass of water or milk.

#### **5. FIRE FIGHTING MEASURES**

##### **FLAMMABLE PROPERTIES**

COC Flash Point: None  
PMCC Flash Point: 85.6 C (186.1 F)  
Autoignition Temperature: None

##### **FLAMMABLE LIMITS IN AIR**

LEL: None  
UEL: None



(section 5 continued)

**FLAMMABLE PROPERTIES:**

Aqueous solution in a flammable propellant (flashpoint = -42 F).

**EXTINGUISHING MEDIA:**

Carbon dioxide, foam, or dry powder.

**6. ACCIDENTAL RELEASE MEASURES**

**INITIAL CONTAINMENT:**

Absorb spills with inert material.

**SMALL SPILLS PROCEDURE:**

Clean up area by absorbent material.

**7. HANDLING AND STORAGE**

**HANDLING (PERSONNEL):**

Avoid prolonged or repeated contact with skin. Use with adequate ventilation.

**STORAGE PRECAUTIONS:**

Keep away from heat, sparks, and flame.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**SKIN PROTECTION REQUIREMENTS:**

For brief contact, normal work attire should be sufficient.

**RESPIRATORY PROTECTION REQUIREMENTS:**

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

**EXPOSURE GUIDELINES:**

No Information Available.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .....: Aerosol  
COLOR .....: Colorless  
ODOR .....: Ammonia  
SOLUBILITY IN WATER ...: Complete  
SPECIFIC GRAVITY .....: 1.00 (Water = 1)  
PH .....: 8.0 - 9.0  
% VOLATILES .....: >95 %

## 10. STABILITY AND REACTIVITY

### STABILITY:

Stable.

### POLYMERIZATION:

Hazardous polymerization will not occur.

### DECOMPOSITION:

In the case of a fire, carbon dioxide and carbon monoxide may be produced.

### CONDITIONS TO AVOID:

Heat, sparks, and flames.

## 11. TOXICOLOGICAL INFORMATION

### ISOPROPANOL

Test Code: Oral LD50

Species: Rat

Results: 5045 mg/Kg

## 12. ECOLOGICAL INFORMATION

### ISOPROPANOL

Test Code: Acute Aquatic Toxicity (96 hr.)

Species: Fathead minnow

Results: 1000 mg/L

## 13. DISPOSAL CONSIDERATIONS

### WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.



**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL .....: Hardfloor Cleaner Aerosol  
D.O.T. SHIPPING NAME ...: Consumer commodity  
D.O.T. HAZARD CLASS ....: ORM-D  
D.O.T. LABEL .....: None

**MISCELLANEOUS:**

See DOT Exception: 49CFR 173.306(h).

IATA Shipping Classification:

Aerosols, flammable, 2.1, UN1950, Packaging Instructions Y203, Limited Quantity.

IMO/IMDG Shipping Classification:

AEROSOLS (maximum 1 litre), 2.1, UN 1950, Limited Quantity.

EmS Number: 2-13.

Note: see IMDG Code 3.4.

**15. REGULATORY INFORMATION**

**REGULATORY LISTS SEARCHED:**

|                                 |                                  |
|---------------------------------|----------------------------------|
| 01 = SARA TITLE III SECTION 302 | 02 = SARA Title III Section 313  |
| 03 = RCRA HAZARDOUS WASTE CODES | 04 = CERCLA Hazardous Substances |
| 05 = CLEAN AIR ACT              | 06 = California Prop. 65         |

**REGULATORY DISCLOSURES:**

Dimethyl ether can be found on the following state lists: Pennsylvania, Massachusetts, and Florida.

**EEC Symbols and Indications of Danger:**

EU Highly Flammable (F)



**R-Phrases:**

R10 - Flammable.

**S-Phrases:**

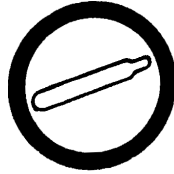
S16.1 - Keep away from sources of ignition.  
S24/25 - Avoid contact with skin and eyes.



(section 15 continued)

**WHMIS Hazard Symbols:**

Class A - Compressed Gas, Class B - Flammable and Combustible Material



**Canadian Disclosure List**

ISOPROPANOL (67-63-0)

**Title V**

ISOPROPANOL (67-63-0)

**MISCELLANEOUS INFORMATION:**

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

**16. OTHER INFORMATION**

PREPARED BY .....: Edward Durrant  
APPROVED BY .....: Dale Jensen  
TITLE .....: Product Development Manager  
APPROVAL DATE .....: January 4, 2008  
SUPERCEDES DATE ...: April 10, 2006  
RTN NUMBER .....: 00000104 (Official Copy)

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**END OF MSDS**  
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