1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Identification**
- **Product Name:** Stain Extinguisher - Aerosol
- **Product Number:** C190, C190-AUS, C190-UK, C190-MEX, C196
- **Synonyms:** Spot Remover - Aerosol, Stain Eliminator - Aerosol
- **CAS Number:** Blend

**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Amount</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-METHOXY-2-PROPANOL</td>
<td>1.0 - 5.0 %</td>
<td>107-98-2</td>
</tr>
<tr>
<td>DIPROPYLENE GLYCOL MONOMETHYL ETHER</td>
<td>1.0 - 5.0 %</td>
<td>34590-94-8</td>
</tr>
<tr>
<td>WATER</td>
<td>60.0 - 100.0 %</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>STYRENE MALEIC ANHYDRIDE RESIN, CUMENE END CAPPED</td>
<td>1.0 - 5.0 %</td>
<td>52720-34-0</td>
</tr>
<tr>
<td>DIMETHYL ETHER (PROPELLANT)</td>
<td>10.0 - 30.0 %</td>
<td>115-10-6</td>
</tr>
</tbody>
</table>

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

3. HAZARDS IDENTIFICATION

************** EMERGENCY OVERVIEW **************
* CAUTION *
* Harmful if swallowed. *

************ END OF EMERGENCY OVERVIEW ************
(section 3 continued)

HMIS Rating -

Health: 1
Flammability: 2
Reactivity: 0

NFPA Rating -

Health: 1
Flammability: 2
Reactivity: 0

POTENTIAL HEALTH EFFECTS

EYE:
May cause temporary eye irritation.

SKIN:
Prolonged or repeated exposure may cause irritation.

INHALATION:
Inhalation of high vapor concentrations may result in headaches, nausea, vomiting and coma. Prolonged exposure may cause unconsciousness or death.

INGESTION:
Swallowing the liquid may result in vomiting.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:
Flush eye with water for 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:
Wash skin with soap and water. Wash clothing before reuse.

INHALATION FIRST AID:
If inhaled, remove to fresh air.

INGESTION FIRST AID:
Induce vomiting. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES
TCC Flash Point: > 93.3 C (> 199.9 F)
Autoignition Temperature: N/A
(section 5 continued)

FLAMMABLE LIMITS IN AIR
LEL:  
UEL:  

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

EXTINGUISHING MEDIA:
Foam, water fog, dry chemical.

FIRE & EXPLOSION HAZARDS:
Temperatures above 130F may cause cans to burst.

FIRE FIGHTING INSTRUCTIONS:
Containers can build up pressure if exposed to heat (fire). Contact emergency personnel as necessary.

MISCELLANEOUS:
Water spray may be used to cool cans in the vicinity of fire or excessive heat.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):
Eliminate all sources of ignition - heat, sparks, flame. Wear safety goggles. Ventilate spill area.

INITIAL CONTAINMENT:
Absorb spills with inert material. Eliminate all sources of ignition - heat, sparks, flame. Allow propellant to evaporate.

LARGE SPILLS PROCEDURE:
Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

SMALL SPILLS PROCEDURE:
Absorb spills with inert material.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):
Use with adequate ventilation. Avoid contact with eyes, skin, and clothing.
HANDLING (PHYSICAL ASPECTS):
Provide appropriate ventilation. Eliminate all sources of ignition - heat, sparks, flame. Avoid extreme temperatures.

STORAGE PRECAUTIONS:
Store in a well ventilated place. Keep away from sources of ignition. Avoid extreme temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:
Wear safety glasses.

SKIN PROTECTION REQUIREMENTS:
Wash hands thoroughly after handling. For brief contact, normal work attire should be sufficient.

EXPOSURE GUIDELINES:
Dipropylene glycol monomethyl ether
OSHA PEL: 100 ppm
ACGIH TWA: 100 ppm
OSHA STEL: 150 ppm

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM .......................: Aerosol
COLOR .....................: Light Amber
ODOR ......................: Slight
BOILING POINT ...........: >100 F
SOLUBILITY IN WATER ....: soluble
SPECIFIC GRAVITY ........: 1.0 (Water = 1)
PH ........................: 7-8
% VOLATILES .............: 97 %

10. STABILITY AND REACTIVITY

STABILITY:
Stable at room temperature.

POLYMERIZATION:
Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:
Oxidizers.
(section 10 continued)

DECOMPOSITION:
Oxides of carbon and nitrogen.

CONDITIONS TO AVOID:
Temperatures above 130F.

11. TOXICOLOGICAL INFORMATION

1-methoxy-2-propanol
Test Code: Inhalation LC50
Species: Rat
Results: 10,000 ppm/5-hour

Test Code: Oral LD50
Species: Rat
Results: 5660 mg/Kg

Test Code: Dermal LD50
Species: Rabbit
Results: 13000 mg/Kg

Dipropylene glycol monomethyl ether
Test Code: Dermal LD50
Species: Rabbit
Results: >20 ml/kg

Test Code: Oral LD50
Species: Rat
Results: 5.4 ml/kg

Dimethyl ether (Propellant)
Test Code: Inhalation LC50
Species: Rat
Results: 164,000 ppm 4H

12. ECOLOGICAL INFORMATION

Styrene maleic anhydride resin, cumene end capped
Test Code: EC50
Species: Daphnia magna
Results: 1990 mg/L 24H
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...........: Stain Extinguisher - Aerosol
D.O.T. SHIPPING NAME...: Consumer commodity
D.O.T. HAZARD CLASS....: ORM-D

MISCELLANEOUS:
DOT Exception: 49CFR 173.156.
IATA Shipping Classification.
Proper Shipping Name: Aerosols, flammable Hazard Class: 2.1.
ID No.: UN1950 Label: Flammable gas.
IMO/IMDG Shipping Classification.
Proper Shipping Name: Aerosols Hazard Class: 2.2.
ID No.: UN1950 Label: Aerosols Code Page No.: 2102.
EmS No.: 2-13 MFAG Table No.: Refer to subsection 4.2 of the MFAG.

IMDG Limited Quantity Exception - IMDG Code Page Number 0149 Amdt 29-98
Section 18.9.1 - Limited quantities of dangerous goods for personal or household use that are packaged and distributed in a form suitable for sale through retail agencies may be exempted from marking of the proper shipping name and UN number on the packaging.

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
07=Florida Right-to-Know 08=Massachusetts Right-to-Know
09=New Jersey Right-to-Know 10=Pennsylvania Right-to-Know

REGULATORY DISCLOSURES:
Dimethyl ether is on the following state lists: Florida, Massachusetts, and Pennsylvania.

EEC Symbols and Indications of Danger:
Highly flammable (F)
R-Phrases:
R10 - Flammable.

S-Phrases:
S16.1 - Keep away from sources of ignition.

WHMIS Hazard Symbols:
Class A - Compressed Gas, Class B - Flammable and Combustible Material

Canadian Disclosure List
1-methoxy-2-propanol  (107-98-2)
Dipropylene glycol monomethyl ether  (34590-94-8)

Clean Air Act - Section 112
1-methoxy-2-propanol  (107-98-2)

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.........: Cory Parr
Approved By.........: Edward Durrant
Title..............: Chemist
Approval Date......: March 27, 2000
Supercedes Date...: December 16, 1999
RTN Number........: 00000044  (Official Copy)

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END OF MSDS
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