

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Stain Extinguisher - Aerosol  
Product Number: C190, C190-AUS, C190-UK,  
C190-MEX, C196, C198  
Synonyms: Spot Remover - Aerosol, Stain  
Eliminator - Aerosol  
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>
1-METHOXY-2-PROPANOL	1.0 - 5.0 %	107-98-2
DIPROPYLENE GLYCOL MONOMETHYL ETHER	1.0 - 5.0 %	34590-94-8
WATER	60.0 - 100.0 %	7732-18-5
DIMETHYL ETHER (PROPELLANT)	10.0 - 30.0 %	115-10-6
STYRENE - MALEIC ANHYDRIDE COPOLYMER, SODIUM SALT	1.0 - 5.0 %	52500-92-2

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

## 3. HAZARDS IDENTIFICATION



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

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

PMCC Flash Point: > 100 C (> 212.0 F)  
Autoignition Temperature: N/A

### 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 - 8.2  
% VOLATILES .....: 97 %

## 10. STABILITY AND REACTIVITY

### STABILITY:

Stable at room temperature.



(section 10 continued)

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Oxidizers.

**DECOMPOSITION:**

Combustion may produce oxides of carbon and nitrogen.

**CONDITIONS TO AVOID:**

Temperatures above 130F.

**11. TOXICOLOGICAL INFORMATION**

**Stain Extinguisher - Aerosol**

Test Code: Acute oral LD50

Species: Rats

Results: >5 g/kg

**12. ECOLOGICAL INFORMATION**

**1-methoxy-2-propanol**

Test Code: Acute LC50

Species: Fathead minnow

Results: 20,800 mg/L

**Dipropylene glycol monomethyl ether**

Test Code: Acute LC50

Species: Fathead minnow

Results: > 10000 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 .....: Stain Extinguisher - Aerosol

D.O.T. SHIPPING NAME ...: Consumer commodity

D.O.T. HAZARD CLASS ....: ORM-D



(section 14 continued)

**MISCELLANEOUS:**

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, UN1950, Limited Quantity.

EmS No.: 2-13.

Note: See IMDG Code 3.4.

**15. REGULATORY INFORMATION**

**REGULATORY LISTS SEARCHED:**

01 = SARA TITLE III SECTION 302  
03 = RCRA HAZARDOUS WASTE CODES  
05 = CLEAN AIR ACT

02 = SARA Title III Section 313  
04 = CERCLA Hazardous Substances  
06 = California Prop. 65

**EEC Symbols and Indications of Danger:**

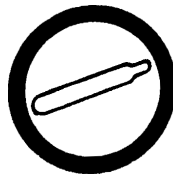
None

**S-Phrases:**

S15 - Keep away from heat.

**WHMIS Hazard Symbols:**

Class A - Compressed Gas



**Canadian Disclosure List**

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

**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 ...: July 5, 2006  
RTN NUMBER .....: 00000044 (Official Copy)

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