

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Solvent Spotter Gel
Product Number: C110, C110-CS
Chemical Family: Essential oils in a water emulsion
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:

Chemical Name	Amount	CAS Number
SECONDARY ALCOHOL ETHOXYLATE	1.0 - 5.0 %	84133-50-6
WATER	35.0 - 69.0 %	7732-18-5
D-LIMONENE	30.0 - 60.0 %	8028-48-6

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

3. HAZARDS IDENTIFICATION

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*****      EMERGENCY OVERVIEW      *****
*
*
*          CAUTION
*
*  Combustible Liquid.
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(section 3 continued)

NFPA Rating - **Health: 1**
 Flammability: 2
 Reactivity: 0
 Special Hazard: None

POTENTIAL HEALTH EFFECTS

EYE:

Moderately irritating to the eyes.

SKIN:

May cause skin irritation with discomfort or rash.

INHALATION:

May cause headaches and dizziness. Prolonged or excessive inhalation may cause respiratory tract irritation.

INGESTION:

Moderately toxic and may be harmful if swallowed.

CARCINOGENICITY INFORMATION:

NTP: No IARC: No OSHA: No.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Get medical attention. Flush eye with water for 15 minutes.

SKIN CONTACT FIRST AID:

Get medical attention if irritation develops or persists. Wash with water.

INHALATION FIRST AID:

If not breathing, give artificial respiration. Remove to fresh air.

INGESTION FIRST AID:

Contact a physician. Give milk or water.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

PMCC Flash Point: 44.4 C (111.9 F)

Autoignition Temperature: N/A



(section 5 continued)

FLAMMABLE LIMITS IN AIR

LEL: N/A
UEL: N/A

FLAMMABLE PROPERTIES:

Product will not sustain burning (ASTM D4206-96).

EXTINGUISHING MEDIA:

Carbon dioxide, foam, or dry powder.

COMBUSTION PRODUCTS:

May release carbon monoxide, carbon dioxide, and other decomposition products of undetermined hazard.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Protect skin and eyes from exposure. Eliminate all sources of ignition - heat, sparks, flame, and electricity.

SMALL SPILLS PROCEDURE:

Clean up area by absorbent material.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F)
Maximum: 37.8 C (100.0 F)

HANDLING (PERSONNEL):

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

HANDLING (PHYSICAL ASPECTS):

Agitate containers before use.

STORAGE PRECAUTIONS:

Keep away from heat, sparks, and flame.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, eye protection is recommended.



(section 8 continued)

SKIN PROTECTION REQUIREMENTS:

Where contact is likely, wear chemical resistant gloves.

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: Thick Liquid
COLOR: White
ODOR: Orange aroma
VAPOR DENSITY: 4.7 (Air = 1)
SOLUBILITY IN WATER ...: Miscible
SPECIFIC GRAVITY: 0.94 g/ml (Water = 1)
PH: 8.5 - 9.5
% VOLATILES: 86 %
VISCOSITY: 20000 cP

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with strong oxidizing agents.

DECOMPOSITION:

In the case of a fire, oxides of carbon, hydrocarbons, fumes, and smoke may be produced.

CONDITIONS TO AVOID:

Heat, sparks, and flames.



11. TOXICOLOGICAL INFORMATION

Secondary alcohol ethoxylate

Test Code: Oral LD50
Species: Male Rat
Results: 1620 mg/kg

12. ECOLOGICAL INFORMATION

Secondary alcohol ethoxylate

Test Code: LC50
Species: Fathead minnow
Results: 6.2-7.6 mg/L/96 H

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Solvent Spotter Gel
D.O.T. SHIPPING NAME ...: Not regulated

MISCELLANEOUS:

Product will not sustain combustion. See 49 CFR 173.120(a)(3).

IATA Shipping Classification: Not Regulated.

IMO/IMDG Shipping Classification: Not Regulated.

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

EEC Symbols and Indications of Danger:

None



(section 15 continued)

R-Phrases:

R10 - Flammable.

S-Phrases:

S16 - Keep away from sources of ignition. No smoking.
S24/25 - Avoid contact with skin and eyes.

WHMIS Hazard Symbols:

Class B - Flammable and Combustible Material



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: February 19, 2009
SUPERCEDES DATE ...: May 12, 2006
RTN NUMBER: 00000003 (Official Copy)

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