

SAFETY DATA SHEET

Oxy Spotter

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Oxy Spotter
Product Number: C185

Company Identification

Harris Research, Inc
1530 North 1000 West
Logan, UT 84321 USA
1-435-755-0099 (For product information)

HRI

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION: Corrosive.

GHS Hazard Symbols:

Corrosive



GHS Hazard Statements:

H319 - Causes serious eye irritation.

GHS Precautionary Statements:

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P305/351/338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

EYE:

May cause eye irritation.

SKIN:

May cause skin irritation.

INHALATION:

May cause irritation of the upper respiratory passages.

INGESTION:

May be harmful if swallowed or inhaled.



3. COMPOSITION / INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
ETHANOL	0.5 - 2.0 %	64-17-5
ISOPRAPANOL	0.5 - 2.0 %	67-63-0
C10-C16 ALKYL ALCOHOL SULFURIC ACID SODIUM SALT	0.5 - 2.0 %	68585-47-7
SECONDARY ALCOHOL ETHOXYLATE	< 1.0 %	84133-50-6
STYRENE- MALEIC ANHYDRIDE COPOLYMER, SODIUM SALT	4.0 - 7.0 %	52500-92-2
CITRIC ACID	< 1.0 %	77-92-9
HYDROGEN PEROXIDE	1.0 - 4.0 %	7722-84-1
WATER	81.0 - 93.5 %	7732-18-5

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Get medical attention. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.

SKIN CONTACT FIRST AID:

Get medical attention if irritation develops or persists. Flush skin with plenty of water.

INHALATION FIRST AID:

Get medical attention if cough or other symptoms develop. If breathing is difficult, give oxygen. Remove to fresh air.

INGESTION FIRST AID:

Careful evacuation of stomach by medical personnel imperative. Call a physician or poison control center immediately. Give victim a glass of water or milk. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES:

N/A.

EXTINGUISHING MEDIA:

Use water spray to cool fire exposed containers.

FIRE FIGHTING INSTRUCTIONS:

Evacuate non-emergency personnel to a safe area. Avoid breathing smoke, fumes, and decomposition products. Contact emergency personnel as necessary.

COMBUSTION PRODUCTS:

Carbon dioxide, carbon monoxide, oxides of nitrogen.

MISCELLANEOUS:

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



6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear safety goggles. Avoid breathing vapor.

INITIAL CONTAINMENT:

Wash area to prevent slipping. Absorb spills with inert material.

LARGE SPILLS PROCEDURE:

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

RECOMMENDED STORAGE TEMPERATURE

Minimum: 4.4 C (39.9 F)

Maximum: 54.4 C (129.9 F)

SHELF LIFE: (in original, sealed containers)

12 months @ 4.4 C

HANDLING (PERSONNEL):

Do not inhale. Do not get in eyes, on skin or clothing. Remove contaminated clothing and wash before reuse. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Keep out of reach of children. Product includes hydrogen peroxide. Store in a cool dry area. Avoid extreme temperatures.

STORAGE PRECAUTIONS:

Do not store near combustible materials. Store away from heat. Store in a cool place in original container and protect from sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Use only with adequate ventilation.

EYE / FACE PROTECTION REQUIREMENTS:

Wear safety glasses.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling. For brief contact, normal work attire should be sufficient.

EXPOSURE GUIDELINES:

Ethanol

OSHA PEL: 1000 ppm, 1900 mg/m³

OSHA TWA: 1000 ppm, 1900 mg/m³

Hydrogen Peroxide

OSHA PEL: 1 ppm, 1.4 mg/m³

OSHA TWA: 1 ppm, 1.4 mg/m³



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Light Amber
ODOR:	Dependent of fragrance
BOILING POINT:	100 C
SOLUBILITY IN WATER:	soluble
SPECIFIC GRAVITY:	1.0 (Water = 1)
PH:	5.0-6.5

10. STABILITY AND REACTIVITY

STABILITY:

This compound is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

DECOMPOSITION:

Oxygen can be produced.

CONDITIONS TO AVOID:

Avoid Storage at elevated temperatures or in direct sunlight.

11. TOXICOLOGICAL INFORMATION

Ethanol

Test Code: Oral LD50
Species: Rat
Results: 7060 mg/Kg

Isoprapanol

Test Code: Dermal LD50
Species: Rabbit
Results: 12.8 gm/kg

Secondary Alcohol Ethoxylate

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

Citric Acid

Test Code: Oral LD50
Species: Mouse
Results: 5040 mg/kg

Hydrogen Peroxide

Test Code: Oral LD50
Species: Mouse
Results: 2000 mg/Kg

12. ECOLOGICAL INFORMATION



Ethanol

Test Code: LC50
Species: Fingerling Trout
Results: 11,200 mg/l 24 Hr

Isoprapanol

Test Code: LC50 96HR
Species: Fish
Results: >100 mg/l

Secondary Alcohol Ethoxylate

Test Code: LC50
Species: Daphnia magna
Results: 7.1 to 10.7 mg/L/48 H

Citric Acid

Test Code: LC50 100H
Species: Goldfish
Results: > 625 mg/l

Hydrogen Peroxide

Test Code: LC50
Species: Fathead minnow
Results: 22000 - 35000 mg/L/96H

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORT INFORMATION

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

MISCELLANEOUS:

DOT Shipping Exception:

Not Regulated.

IMO/IMDG Shipping Classification:

Not Regulated.

IMO/IMDG Shipping Classification:

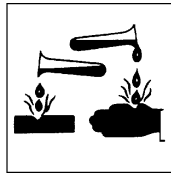
Not Regulated.

15. REGULATORY INFORMATION

EEC Symbols and Indications of Danger:

Corrosive (C)





R-Phrases:

R36/38 - Irritating to eyes and skin.
R43 - May cause sensitization by skin contact.

S-Phrases:

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37 - Wear suitable gloves.
S53 - Avoid exposure. Obtain special instructions before use.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S24/25 - Avoid contact with skin and eyes.
S28 - After contact with skin, wash immediately with plenty of soap and water.

WHMIS Hazard Symbols:

Class E - Corrosive Material



Canadian Disclosure List

Ethanol (64-17-5)
Isopropanol (67-63-0)
Hydrogen Peroxide (7722-84-1)

Title V

Isopropanol (67-63-0)

16. OTHER INFORMATION

PREPARED BY: Adnan Manassra
APPROVED BY: Sterling Nesbit
TITLE: Chemist
APPROVAL DATE: May 31, 2015
SUPERCEDES DATE: May 30, 2015
RTN NUMBER: 00000300 (Official Copy)

HMIS Rating:

Health - 1
Flammability - 0
Reactivity - 1
Personal Protection Index - Eye protection and gloves recommended

NFPA Rating:

Health - 1
Flammability - 0
Reactivity - 1
Special Hazard - Oxidizer



This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Harris Research, Inc. The data on this sheet are related only to the specific material designated herein. Harris Research, Inc assumes no legal responsibility for use or reliance upon these data.

END OF SAFETY DATA SHEET

