

Tiro Industries, LLC

Graham Webb Halo Purity Shampoo

Part Number: **056040700**

Material Safety Data Sheet

Date Prepared: November 21, 2003

Supersedes Date: All

Section 4 First Aid Measures Continued

Skin Exposure: In case of irritation, wash immediately with soap and water. Remove contaminated clothing or shoes. Clean contaminated clothing and shoes prior to re-use. Seek medical attention in the event of an adverse reaction or if symptoms of irritation develop.

Inhalation Exposure: If respiratory irritation or distress occurs, remove the victim to fresh air. Seek medical attention in the event of an adverse reaction or if symptoms of irritation develop.

Ingestion: Seek medical attention if ingestion occurs.

Medical conditions that may be aggravated by exposure:

Prolonged skin contact may aggravate existing skin conditions.

Notes to Physician:

Treat symptomatically. No specific antidotes are recommended.

Section 5 Fire Fighting Measures

Flash point: > 93 C (200 F) * **Flammability Class:** Combustion unlikely, but will burn with sufficient heat.

Method Used: Closed Cup * flash point range is +/- 2 degrees F

Flammability Limits (vol/vol%):

N/A

Lower:

N/A

Upper:

N/A

Extinguishing Media:

Recommended: Dry chemical, carbon dioxide for small fires, and Universal foam or water spray for large fires.

Special Fire Fighting Procedures:

No special requirements.

Unusual Fire Fighting Procedures:

Closed containers may explode (due to pressure build up) when exposed to extreme heat.

Hazardous Decomposition of Cosmetic Materials (under fire conditions) May Include:

Oxides of carbon

Oxides of Sulfur (for hair dyes)

Oxides of nitrogen

Oxides of Phosphorus

Section 6 Accidental Release Measures

Evacuation Procedures and Safety:

Wear appropriate protective equipment for the situation. See Section 8.

Containment, Cleanup and Disposal of Spill:

Product may be a slip hazard if spilled. Contain large spills with inert absorbent material. Sweep up and place in a closed container. Clean up residual material by wash area with hot water. Collect washings for disposal. Dispose of in accordance with federal, state, and local regulations.

Environmental and Regulatory Reporting:

Spills may be reportable to the National Response Center (800-424-8802). Additional reporting to state and/or local agencies may be required in some areas.

Section 7 Handling and Storage

Minimum/Maximum Storage Temperatures: 4 to 49 C (39 to 120 F)

Handling:

Avoid prolonged exposure to eyes. No adverse health hazards are anticipated from handling product which has been stored outside of the specified storage range, however the product may stratify and become unacceptable for general use.

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Section 7 Handling and Storage Continued

Storage:

Store in a dry, well-ventilated area away from ignition sources and away from incompatible materials (see section 10).
Expected shelf life if stored under optimum conditions is three years.

Section 8 Exposure Control/Personal Protection

These recommendations provide general guidance for handling this product. Because specific use conditions may vary, safety procedures should be developed for each specific application. When developing procedures, always consider potential waste and disposal issues.

Exposure Guidelines: The following exposure guidelines have been set by OSHA

<u>Component</u>	<u>CAS Number</u>	<u>Established TWA</u>
Water & Inert Ingredients	*****	N
Sodium Benzoate	532-32-1	N
Sodium Formate	141-53-7	N

Engineering Controls:

Overexposure is unlikely. Since all possible use parameters cannot be foreseen, the use of engineering controls (including dilution, ventilation and others) to reduce exposure may be necessary.

Respiratory Protection:

For reasonable foreseeable uses of this product, respiratory protection is not required.

Eye and Face Protection:

For reasonable foreseeable uses of this product, eye and face protection is not required.

Skin Protection:

For reasonable foreseeable uses of this product, skin protection is not required.

Section 9 Physical and Chemical Properties

Physical and chemical properties presented here represent typical properties of this product. These ARE NOT specifications.

Physical Appearance: Clear, Colorless Liquid

Odor: Fruity

pH: 5.75 +/- 0.3

Specific Gravity: 1.025 +/- 0.020

Water Solubility: Soluble

Melting Point Range: N/D

Freezing Point Range: N/D

Boiling Point Range: N/D

Vapor Pressure: N/D

Vapor Density: N/D

Percent Volatiles by Volume: N/D

Section 10 Stability & Reactivity

Chemical Stability:

This material is stable under normal handling and storage conditions described in Section 7.

Conditions to be Avoided:

Freezing

Heat

Open Flame

Chemicals to be Avoided:

Strong acids

Strong oxidizing agents

Strong bases

Strong reducing agents

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Section 10 Stability & Reactivity Continued

Decomposition Materials:

Oxides of carbon

Oxides of sulfur (for hair dyes)

oxides of nitrogen

Oxides of Phosphorus

Hazardous Polymerization is: Not expected.

Section 11 Toxicology

Acute Eye: as determined by in-vitro testing

Rated as: Not Determined

May cause redness and tearing in a selected portion of the population.

Acute Skin: as determined by in-vitro testing

Rated as: Not Determined

Very low dermal toxicity anticipated. May cause slight irritation in a selected portion of the population.

Acute Oral Toxicity: as estimated by computer simulation

Rated as: > 5 g/kg oral rat (non-toxic)

This product has not been tested on animals.

Acute Inhalation:

Rated as: Not Likely

Mists are unlikely to form, but may cause upper respiratory irritation.

Chronic Effects:

This product is composed of raw materials which may contain trace quantities of residual ingredients listed by IARC, NTP, ACIGH, or OSHA as probable or suspected human carcinogens.

Section 12 Ecological Information

Ecotoxicological Information:

No data found for this product

Chemical Fate Information:

No data found for this product

Section 13 Disposal Information

Waste Disposal Method(s):

Do not contaminate with other wastes. Consult federal, state, and local regulations regarding proper disposal.

EPA Hazardous Waste: No

EPA Waste Number: N/A

Section 14 Transportation Information

Transportation Status:

The transportation Classification Status listed is deemed accurate at the time of publication, based on current packaging sizes. Repackaging may change shipping status. Variations due to different available modes of transportation are not addressed. Please consult the appropriate regulations prior to shipping this material.

<u>Unit Size</u>	<u>Quantity</u>	<u>US DOT Shipping Name</u>	<u>IATA Shipping Name</u>	<u>IMO Shipping Name</u>
10 fl oz bottles	12 per case	NOT REGULATED	NOT REGULATED	NOT REGULATED

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Section 15 Regulatory Status

The regulatory status of individual chemical constituents listed in section 2, and the product itself is detailed below. Consult the following key to determine regulatory status

Key

Y = Is on the associated list or inventory

E = Is exempt from inclusion on the associated list or inventory

N = Not determined or not on the associated list or inventory

<u>Component</u>	<u>CAS Number</u>	<u>EPA List</u>			<u>WHIMS</u>
		<u>4</u>	<u>SARA</u>	<u>Proposition 65</u>	<u>Percent</u>
Water & Inert Ingredients	*****	N	N	N	N
Sodium Benzoate	532-32-1	N	N	N	N
Sodium Formate	141-53-7	Y	N	N	N

Section 16 Other Information

Abbreviations that may be used in this MSDS:

DOT = Department of Transportation

NFPA = National Fire Protection Association

TLV = Threshold Limit Value

TWA = Time Weighted Average

PEL = Permissible Exposure Limit

STEL = Short Term Exposure Limit

IATA = International Air Transport Association

OSHA = Occupational Safety and Health Administration

ACIGH = American Conference of Governmental Industrial Hygienists

N/D = Not Determined

N/A = Not Applicable

HMIS = Hazardous Materials Identification System

CAS = Chemical Abstracts Service

NTP = National Toxicology Program

IARC = International Agency for Research on Cancer

IMO = International Maritime Organization

HMIS Rating:

0 Health Hazard Rating (minimal)

0 Flammability Rating (minimal)

0 Reactivity Rating (minimal)

Revision Number: 0

Revision Reason: New Product

Disclaimer:

The information contained within this MSDS is deemed accurate at the time of publication, and is given in good faith. No warranty expressed or implied, is made.

Document approved by:



Date: November 21, 2003

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Tiro Industries, LLC