

MATERIAL SAFETY DATA SHEET

NIOXIN RESEARCH LABORATORIES

2124 SKYVIEW DRIVE

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SECTION 1: PRODUCT IDENTIFICATION

Smoothing Reflectives Fast Control 80% VOC

Product name: 80 VOC Hairspray

SECTION 2: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components 190 proof Anhydrous Specially Denatured Alcohol 40B.

SECTION 3: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: 173°F Vapor Pressure (mmHG) @ 20°C: 44.0

Vapor density (Air=1): 1.6 **Specific gravity:** 0.864

Volatiles (% by weight): 80 **Evaporation rate:** 2.0

Solubility in water: Infinite

Appearance and odor: Colorless, light yellow, fragranced.

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash point: 55°F (closed cup)

Flammable limits: Lel - 3.3% Uel - 19.0%

Extinguishing media: Water, carbon dioxide, alcohol type foam or dry chemical.

Special fire fighting procedures: Wear personal protective equipment and a self-contained breathing apparatus (SCBA) when fighting a fire. Use water spray to cool

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equipment and to disperse vapors. Alcohol flames may be difficult to see because they are virtually colorless. Combustion products include, but are not limited to, carbon dioxide, carbon monoxide.

Unusual fire and explosion hazards: Vaporizes easily at normal temperatures. Vapors can travel to an ignition source and flash back. Prevent build-up of vapor to avoid explosive concentrations.

SECTION 5: REACTIVITY

Stability Data

Unstable: No

Stable: Yes

Conditions to Avoid: Heat, sparks, open flame.

Hazardous Decomposition Products: None. However, as with any other organic material, combustion will produce carbon dioxide and possibly carbon monoxide.

Incompatibility (Materials to Avoid): Oxidizing materials can cause vigorous reaction.

Hazardous Polymerization

May occur: No

Will not occur: Yes

SECTION 6: HEALTH HAZARD DATA

Route(s) of Entry

Inhalation: Yes

Skin: Unusual, but has been reported

Ingestion: Avoid

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Health hazard (acute and chronic): May be fatal if swallowed. Harmful if inhaled or absorbed through skin. Causes skin, eye, and upper respiratory tract irritation. Can cause nervous system depression.

Carcinogenicity

Carcinogen: N/A

NTP: No

IARC Monographs: Yes

OSHA regulated: No

Signs and Symptoms of Exposure

Skin: Harmful is absorbed through skin

Eyes: Causes irritation on contact

Inhalation: Harmful, causes irritation

Ingestion: Can cause central nervous system depression.

Chronic effects: Damage to the liver, damage to the heart, damage to the kidneys if ingested.

WARNING – Not intended for internal human consumption. Consumption of this product during pregnancy can cause mental disability and other birth defects.

Emergency and First Aid Procedures

Skin: Flush skin with water and remove any contaminated clothing. If irritation persists, seek medical attention.

Eyes: Holding eyelids open, flush with large amounts of water for 30 minutes, seek medical attention if required.

Inhalation: Remove patient from exposure to fresh air. Give artificial respiration if breathing has stopped. Get prompt medical attention.

Ingestion: If patient is conscious, induce vomiting while holding head below hips. Get prompt medical attention.

SECTION 7: PRECAUTIONS FOR SAFE HANDLING AND USE

Precautions to be taken in handling and storage: Material is classified as a flammable liquid. Keep liquid and its vapors away from heat, sparks, and flame.

Steps to be taken in case material is released or spilled: Eliminate all ignition sources. Ventilate area. Notify the appropriate authorities immediately. Use appropriate NIOSH – approved respirator when needed. Comply with OSHA standards 29CFR 1910.134 Respiration Protection and 29CFR 1910.1000 Air Contaminates Permissible Exposure Limits. Wear protective clothing. Isolate area to only protected personnel. Shut off leak if safe to do so. Avoid run-off into storm sewers and ditches that lead to natural waterways. Contain and absorb spill with inert material. Dispose in approved chemical waste container. Follow all federal, state, and regional regulations.

Other precautions: Avoid eye and skin contact. Avoid inhalation of vapors. The Bureau of Alcohol, Tobacco, and Firearms (Dept. of the Treasury) regulates the production, procurement, and use of products containing ethyl alcohol. All users must comply with these regulations.

SECTION 8: TRANSPORTATION (DOT Information)

Shipping Name: Niöxin Firm Hold Hairspray **Hazard Class:** 3

Packing Group: 2 **Placard/I.D. Number:** Flammable UN1170

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

Date prepared: 6-01-04

Prepared by: Michael Thomas

N/A: Not applicable

N/D: Not determined

N/E: Not established

