

Material Safety Data Sheet

January 4, 2010

Product Identification NISSEN DETERGENT REMOVABLE FELTIP PAINT MARKER – WHITE

J.P. Nissen Co.
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HMIS Ratings-Health 2 Flammability 3 Reactivity 0
NFPA Ratings- Health 2 Flammability 3 Reactivity 0

Hazardous ingredients – The paint is contained in a valve action reservoir and will not leak under normal conditions.

| <u>Ingredients</u> | <u>CAS#</u> | <u>%</u> | <u>Exposure Limits</u> |
|--------------------|-------------|----------|------------------------|
| n-Propanol | 71-23-8 | 45-55 | 200 ppm/8 hrs pel |
| Titanium Dioxide | 13463-67-7 | 30-40 | 10mg/m3 |
| Rosin Based Resin | 68152-57-8 | 10-20 | 15mg/m3 |

Physical Data

Boiling point: 207 F **Vapor density:** Heavier than air.

Volatile %: 66.7% by volume **Specific gravity:** Less than 1.

Evaporation rate: Slower than Ethyl Ether **Vapor Pressure:** 20.8 mm hg @ 20 deg. C

Appearance: This viscosity liquid with an alcohol odor .

Volatile Organic Compounds data not required because product only produced in quantities of less than 1 liter

Fire and Explosion Data

Flammability Class: IC **Flashpoint:** 77 deg..F **LEL:** 2.1% **UEL** 13.7%

Extinguishing Media: Foam, Carbon dioxide, or any Class B extinguishing agent. Water may be unsuitable as an extinguishing medium, but helpful in keeping adjacent containers cool.

Health Hazard Data

Listed as possible carcinogen: NTP – No IARC – OSHA – No

Symptoms of over exposure: Headache, Dizziness, Nausea, Coughing, Eye, Throat and Skin Irritation.

Effects of overexposure: Slight to severe irritation to eyes and mucous membranes. Dermatitis.

Affects central nervous system.

Emergency first aid: Inhalation; seek fresh air. Give artificial respiration if not breathing.

Skin contact; Wash with soap and water. Ingestion; Call Physician. Do not induce vomiting. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs

Reactivity Data

Stability: Stable, **hazardous polymerization:** Will not occur.

Conditions to avoid: Heat, open flames and sparks.

Incompatibility: Do not expose to strong oxidizers.

Hazardous decomposition products: Carbon monoxide, carbon dioxide.

Environmental Protection Procedures

Remove all sources of ignition, ventilate area, and use absorbent material to clean spills.

Disposal method: Dispose of waste in accordance with all local, state and federal regulations.

Control Measures

Respiratory protection: None required under normal use.

Ventilation: Normal-working conditions.

Protective Equipment: Safety glasses and gloves. No special clothing required under normal conditions of use.

Transportation

Shipping Class ORM-D

UN Number 1263

Package Group III

Toxic Substances Control Act TSCA States:

All components of this product are listed in the EPA's Inventory of Chemical Substances as required under the Toxic Substances Control Act (TSCA)