

Material Safety Data Sheet

January 4, 2010

Product Identification NISSEN LOW CHLORIDE FELTIP PAINT MARKER – BLUE

J.P. Nissen Co.
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HMIS Ratings-Health 1 Flammability 3 Reactivity 1
NFPA Ratings- Health 1 Flammability 3 Reactivity 0

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

Ingredients	CAS#	%	Exposure Limits
Mineral Spirits	64742-88-7	30-35	100 ppm/8 hrs pel
VM& P Naptha	64742-89-8	15-20	300 ppm/8 hrs pel
Xylol (Xylene)	1330-20-7	1-5	100 ppm/8 hrs pel
Titanium Dioxide	13463-67-7	15-20	5 mg/cu.m Respirable dust
Aliphatic Hydrocarbon	64742-47-8	1-5	100 ppm/8hrs pel
Copper Phthalocyanine	1328-53-6	0-5	1 mg./cu.m Respirable Dust

Physical Data

Boiling point: 246-404 F **Vapor density:** Heavier than air.
Volatile %: 66.7% by volume **Specific gravity:** Less than 1.
Evaporation rate: Slower than Ethyl Ether **Vapor Pressure:** 6.2 mm hg @ 20 deg. C
Appearance: Blue viscous liquid with an aromatic odor.

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

Fire and Explosion Data

Flammability Class: IC **Flashpoint:** 75 deg..F **LEL:**1% **UEL** 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)