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FICHES DONNEES SECURITE
REF. MBWHM
Metal Marker

J.P. Nissen Co.
2544 Fairhill Avenue
P.O. Box 339 Glenside, PA 19038

Phone: 215-886-2025
Fax: 215-886-0707
Emergency: 1-800-424-9300

Material Safety Data Sheet — January 5, 2011
Product Identification NISSEN METAL MARKER: WHITE MARKER

HMIS Ratings- **Health 1 Flammability 2 Reactivity 1**
NFPA Ratings- **Health 1 Flammability 2 Reactivity 0**

Hazardous Ingredients – The information on this MSDS sheet refers to paint used in markers, however it applies to these paints in bulk. 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	0-1	100ppm/8-hrs pel
Urethane resin	proprietary	66-67	See note
Titanium dioxide	13463-67-7	30-35	5 mg/cu.m*
Organoclay	68911-87-5	1-2	0.1 mg/cu.m*

Note: Urethane Resin manufactured by Reichold Chemicals
P.O. Box 13582 Research Triangle Park, NC 27709
EMERGENCIES: 800-424-9300
*** Value applies to free dust, not as bound in a paint matrix.**

Physical Data
Boiling point: 318-385 F **Vapor density:** Heavier than air.
Volatile %: 37% by volume **Specific gravity:** Less than 1.
Evaporation rate: Slower than n-butyl acetate
Appearance: White 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: 2 **Flashpoint:** 111 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.
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 or goggles 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)

For more information visit: http://www.nissenmarkers.com/