

Material Safety Data Sheet

JULY, 1999

Product Identification: NISSEN SOLID PAINT MARKER – YELLOW

NISSEN JUMBO SOLID PAINT MARKER - YELLOW

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

Phone: 215-886-2025
Fax: 215-886-0707
Emergency: 215-836-2730

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

Hazardous ingredients – Characteristics for Physical , Fire and Explosion data based on Ethylene Glycol Monobutyl Ether Test data.

<u>Ingredients</u>	<u>CAS#</u>	<u>%</u>	<u>Exposure Limits</u>
Ethylene Glycol Monobutyl Ether.			
2 Butoxy Ethanol	111-76-2	10-54	240mg./m3 (skin)
Dibutyl Phthalate	84-74-2	2	5 mg./m3
Titanium Dioxide	13463-67-7	0-24	5 mg./cu.m
Pig Yellow CI 83	9004-36-8	36.5	N.I.A.
Cellulose Acetate Butylate	9004-36-8	36.5	N.I.A.
Ketone Resin	25086-25-3	36.5	N.I.A.

Physical Data

Boiling point: 336-343 F Vapor density: 4.1
Volatile %: 10-54 % by volume Specific gravity: 1.03-1.20
Evaporation rate: Slower than n-butyl acetate
Appearance: Solid paint (semi-soft) with a slight aromatic odor.

Fire and Explosion Data

Flashpoint: 142 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

Symptoms of overexposure: 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. Persons with kidney impairment or disease should not work with Dibutyl Phthalate, (overexposure not likely unless ingested). High concentrations and /or prolonged overexposure can be damaging to gastro-intestinal system, respiratory system, central nervous system, kidneys, liver, and can cause visual disturbances including corneal damage. (Based on liquid forms of 2 Butoxy Ethanol and Dibutyl phthalate{ ingestion}).
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.