

# Material Safety Data Sheet

January 2005

## Product Identification: NISSEN SOLID PAINT MARKER - BLACK

## NISSEN JUMBO SOLID PAINT MARKER - BLACK

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	5mg/m3
Titanium Dioxide	13463-67-7	0-24	5mg./cu. m
Cellulose Acetate Butylate	9004-36-8	36.5	N.I.A.
Ketone Resin	25086-25-3		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.

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

### 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.

### Transportation

Shipping Class ORM-D

### 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)

California Proposition 65 (Chemicals known to cause cancer)

# Material Safety Data Sheet

January 2005

## Product Identification: NISSEN SOLID PAINT MARKER – RED

## NISSEN JUMBO SOLID PAINT MARKER – RED

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	5mg/m3
Titanium Dioxide	13463-67-7	0-24	5mg./Cu.M
Pig Red CI15865-4	16013-44-8	0-3	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.

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

### 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.

### Transportation

Shipping Class ORM-D

### 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)

California Proposition 65 (Chemicals known to cause cancer)

# Material Safety Data Sheet

January 2005

Product Identification: NISSEN SOLID PAINT MARKER - WHITE

NISSEN JUMBO SOLID PAINT MARKER – WHITE

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./m <sup>3</sup> (skin)
Dibutyl Phthalate	84-74-2	2	5mg/m <sup>3</sup>
Titanium Dioxide	13463-67-7	0-24	5mg./cu. m
Cellulose Acetate Butyrate	9004-36-8	36.5	N.I.A.
Ketone Resin	25086-25-3		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.

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

### 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.

### Transportation

Shipping Class ORM-D

### 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)

California Proposition 65 (Chemicals known to cause cancer)

# Material Safety Data Sheet

January 2005

## Product Identification: NISSEN SOLID PAINT MARKER - YELLOW

## NISSEN JUMBO SOLID PAINT MARKER - YELLOW

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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.

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

### 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.

### Transportation

Shipping Class ORM-D

### 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)

California Proposition 65 (Chemicals known to cause cancer)