SECTION 1: IDENTIFICATION

Product Identifier
Product Form: Mixture
Product Name: Nissen Super Fine Metal Marker - All Colors
Synonyms: White Part# 00800, Yellow Part# 00801, Red Part# 00802, Black Part# 00803, Blue Part# 00804, Green Part# 00805, Fluorescent Orange Part# 00806, Fluorescent Yellow Part# 00807, Fluorescent Red Part# 00808

Intended Use of the Product

Name, Address, and Telephone of the Responsible Party
Company
J.P. Nissen Co.
2544 Fairhill Avenue
Glenside, PA 19038
T 215-886-2025 - F 215-886-0707

Emergency Telephone Number
Emergency number : 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

The product in its finished form is a liquid contained within a solid marker body designed for a controlled release. Under normal conditions of use, the product does not constitute a risk to health or safety and this document reflects only the hazards associated with the liquid contained within the marker. Additionally, industrial workplace exposure to the product is not consistent with exposure experienced by consumers or office workers. The requirements of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 29 CFR 1910.1200 differ from the labeling requirements of the Consumer Product Safety Commission (CPSC) and as a result, this document may contain additional health hazard information not pertinent to consumer use and not found on the product label.

Classification of the Substance or Mixture

Classification (GHS-US)
Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2A H336
Carc. 2 H351
STOT SE 3 H336
Asp. Tox. 1 H304
Aquatic Acute 2 H401
Aquatic Chronic 2 H411

Label Elements
GHS-US Labeling
Hazard Pictograms (GHS-US) : 

Signal Word (GHS-US) : Danger
Hazard Statements (GHS-US) :
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
Precautionary Statements (GHS-US)

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P240 - Ground/bond container and receiving equipment.
P241 - Use explosion-proof electrical, ventilating, and lighting equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P261 - Avoid breathing vapors, mist, spray.
P264 - Wash hands, forearms, and other exposure thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, eye protection, face protection, respiratory protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P312 - Call a POISON CENTER/doctor/physician if you feel unwell.
P321 - Specific treatment (see section 4).
P331 - If swallowed, do NOT induce vomiting.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse.
P370+P378 - In case of fire: Use appropriate media for extinction.
P391 - Collect spillage.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P403+P235 - Store in a well-ventilated place. Keep cool.
P405 - Store locked up.
P501 - Dispose of contents/container to local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Other Hazards Not Contributing to the Classification: Flammable vapors can accumulate in head space of closed systems. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Mixture

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<td>Titanium dioxide</td>
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| Reason for multiple WHMIS ranges: Fluctuating concentration. |
| Full text of H-phrases: see section 16 |

**SECTION 4: FIRST AID MEASURES**

**Description of First Aid Measures**

**General:** Never give anything by mouth to an unconscious person. If exposed or concerned: Get medical advice/attention.

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**Eye Contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

**Most Important Symptoms and Effects Both Acute and Delayed**

**General:** May cause drowsiness and dizziness. Causes serious eye irritation. Suspected of causing cancer. Causes skin irritation. May be fatal if swallowed and enters airways.

**Inhalation:** May cause drowsiness or dizziness.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes eye irritation.

**Ingestion:** Ingestion is likely to be harmful or have adverse effects. May be fatal if swallowed and enters airways.

**Chronic Symptoms:** Not available

**Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention.

**SECTION 5: FIRE-FIGHTING MEASURES**

**Extinguishing Media**

**Suitable Extinguishing Media:** Foam, dry chemical, carbon dioxide.

**Unsuitable Extinguishing Media:** Do not use extinguishing media containing water.

**Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Flammable liquid and vapor.

**Explosion Hazard:** May form flammable/explosive vapor-air mixture.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO₂). Sulfur oxides. Oxides of titanium. May liberate toxic gases.

**Other information:** Do not allow run-off from fire fighting to enter drains or water courses. Do not allow the product to be released into the environment.

**Reference to Other Sections**

Refer to section 9 for flammability properties.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing (vapors, mist, spray). Use only outdoors or in a well-ventilated area. Do not allow product to spread into the environment. Avoid all contact with skin, eyes, or clothing.
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For Non-Emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

For Emergency Personnel
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

Environmental Precautions
Prevent entry to sewers and public waters. Avoid release to the environment.

Methods and Material for Containment and Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Collect spillage. Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-sparking tools. Contact competent authorities after a spill.

Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling
Additional Hazards When Processed: Handle empty containers with care because residual vapors are flammable. When heated to decomposition, emits toxic fumes. Use only non-sparking tools.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash hands and forearms thoroughly after handling.

Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Comply with applicable regulations.
Storage Conditions: Store in a well-ventilated place. Keep container tightly closed. Keep/Store away from extremely high or low temperatures, ignition sources, combustible materials, incompatible materials.

Specific End Use(s) Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

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</tr>
<tr>
<td>Ontario</td>
<td>400</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

### Methylcyclohexane (108-87-2)

<table>
<thead>
<tr>
<th>Province/Region</th>
<th>STEL (mg/m³)</th>
<th>STEL (ppm)</th>
<th>TWA (mg/m³)</th>
<th>TWA (ppm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mexico</td>
<td>1600</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>Mexican</td>
<td>1600</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>USA ACGIH</td>
<td>1600</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>USA OSHA</td>
<td>1600</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>USA NIOSH</td>
<td>1600</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>USA IDLH</td>
<td>1200</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>Alberta</td>
<td>1610</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>British Columbia</td>
<td>1610</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>Manitoba</td>
<td>1610</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>New Brunswick</td>
<td>1610</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>Newfoundland &amp; Labrador</td>
<td>1610</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>Nova Scotia</td>
<td>1610</td>
<td>400</td>
<td>2000</td>
<td>500</td>
</tr>
<tr>
<td>Nunavut</td>
<td>2000</td>
<td>500</td>
<td>1600</td>
<td>400</td>
</tr>
<tr>
<td>Northwest Territories</td>
<td>2000</td>
<td>500</td>
<td>1600</td>
<td>400</td>
</tr>
<tr>
<td>Ontario</td>
<td>400</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>
Nissen Super Fine Metal Marker - All Colors

Safety Data Sheet
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<table>
<thead>
<tr>
<th>Location</th>
<th>Exposure Limit (ppm)</th>
<th>Exposure Limit (mg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prince Edward Island</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (mg/m³)</td>
<td>1610 mg/m³</td>
</tr>
<tr>
<td>Québec</td>
<td>VEMP (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL STEL (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Saskatchewan</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL STEL (mg/m³)</td>
<td>2000 mg/m³</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL STEL (ppm)</td>
<td>500 ppm</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (mg/m³)</td>
<td>1600 mg/m³</td>
</tr>
<tr>
<td>Yukon</td>
<td>OEL TWA (ppm)</td>
<td>400 ppm</td>
</tr>
</tbody>
</table>

Exposure Controls

Appropriate Engineering Controls: Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Take precautionary measures against static discharges. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Ensure adequate ventilation, especially in confined areas.


Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of vapor or mist are expected to exceed exposure limits.

Thermal Hazard Protection: Wear suitable protective clothing.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

- Physical State: Liquid
- Appearance: Viscous liquid
- Odor: Alcohol
- Odor Threshold: Not available
- pH: Not available
- Relative Evaporation Rate (butylacetate=1): Not available
- Relative evaporation rate (ether=1): (Slower than Ethyl Ether)
- Melting Point: Not available
- Freezing Point: Not available
- Boiling Point: 118.9 °C (246°F)
- Flash Point: 26.1 °C (79°F)
- Auto-ignition Temperature: Not available
- Decomposition Temperature: Not available
- Flammability (solid, gas): Not available
- Lower Flammable Limit: 7 % (Explosive limit)
- Upper Flammable Limit: 1 % (Explosive limit)
- Vapor Pressure: 6.2 mm Hg (@20°C (68°F))
- Relative Vapor Density at 20 °C: Heavier than air
- Relative Density: Not available
- Specific Gravity: Less than 1
- Solubility: Not available
- Partition coefficient: n-octanol/water: Not available
**Nissen Super Fine Metal Marker - All Colors**

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<table>
<thead>
<tr>
<th>Viscosity</th>
<th>Not available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Explosion Data – Sensitivity to Mechanical Impact</td>
<td>Not expected to present an explosion hazard due to mechanical impact.</td>
</tr>
<tr>
<td>Explosion Data – Sensitivity to Static Discharge</td>
<td>Not expected to present an explosion hazard due to static discharge.</td>
</tr>
</tbody>
</table>

**SECTION 10: STABILITY AND REACTIVITY**

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Chemical Stability:** Flammable liquid and vapor. May form flammable/explosive vapor-air mixture.

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks. Incompatible materials.

**Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products:** Carbon oxides (CO, CO2). May release flammable gases. Oxides of titanium. Sulfur oxides.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**Information on Toxicological Effects - Product**

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Causes skin irritation.

**Serious Eye Damage/Irritation:** Causes serious eye irritation.

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Suspected of causing cancer.

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** May cause drowsiness or dizziness.

**Aspiration Hazard:** May be fatal if swallowed and enters airways.

**Symptoms/Injuries After Inhalation:** May cause drowsiness or dizziness.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes eye irritation.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects. May be fatal if swallowed and enters airways.

**Information on Toxicological Effects - Ingredient(s)**

**LD50 and LC50 Data:**

<table>
<thead>
<tr>
<th><strong>Titanium dioxide (13463-67-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Xylenes (o-, m-, p-isomers) (1330-20-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral Rat</td>
</tr>
<tr>
<td>LC50 Inhalation Rat (mg/l)</td>
</tr>
<tr>
<td>LC50 Inhalation Rat (ppm)</td>
</tr>
<tr>
<td>ATE (dermal)</td>
</tr>
<tr>
<td>ATE (vapors)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Titanium dioxide (13463-67-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC Group</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Carbon black (1333-86-4)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC Group</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Xylenes (o-, m-, p-isomers) (1330-20-7)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC Group</td>
</tr>
</tbody>
</table>
SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ecology - General: Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 Fish</th>
<th>EC50 Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>5601 mg/l</td>
<td>5600 mg/l</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers) (1330-20-7)</td>
<td>3.3 mg/l</td>
<td>3.82 mg/l</td>
</tr>
<tr>
<td>Methylcyclohexane (108-87-2)</td>
<td>2.07 mg/l</td>
<td>2.661 mg/l</td>
</tr>
</tbody>
</table>

Persistence and Degradability

Nissen Super Fine Metal Marker - All Colors

Persistence and Degradability: May cause long-term adverse effects in the environment.

Bioaccumulative Potential

Nissen Super Fine Metal Marker - All Colors

Bioaccumulative Potential: Not established.

<table>
<thead>
<tr>
<th>Substance</th>
<th>BCF fish 1</th>
<th>Log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylenes (o-, m-, p- isomers) (1330-20-7)</td>
<td>0.6 (0.6 - 15)</td>
<td>2.77 - 3.15</td>
</tr>
</tbody>
</table>

Mobility in Soil: Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

Additional Information: Handle empty containers with care because residual vapors are flammable.

SECTION 14: TRANSPORT INFORMATION

14.1 In Accordance with DOT

Proper Shipping Name: CONSUMER COMMODITY

Hazard Class: 9

Identification Number: ID8000

Label Codes: 9

ERG Number: 171

14.2 In Accordance with IMDG

Proper Shipping Name: PAINT

Hazard Class: 3

Identification Number: UN1263

Packing Group: III

Label Codes: 3

EmS-No. (Fire): F-E

EmS-No. (Spillage): S-E

14.3 In Accordance with IATA

Proper Shipping Name: CONSUMER COMMODITY

Identification Number: ID8000

Hazard Class: 9

Label Codes: 9
## Nissen Super Fine Metal Marker - All Colors

### Safety Data Sheet

**ERG Code (IATA):** 9L

**14.4 In Accordance with TDG**

**Proper Shipping Name:** CONSUMER COMMODITY

**Hazard Class:** 9

**Identification Number:** ID8000

**Label Codes:** 9

---

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

**Nissen Super Fine Metal Marker - All Colors**

<table>
<thead>
<tr>
<th>SARA Section 311/312 Hazard Classes</th>
<th>Delayed (chronic) health hazard</th>
<th>Immediate (acute) health hazard</th>
<th>Fire hazard</th>
</tr>
</thead>
</table>

**Titanium dioxide (13463-67-7)**

- Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Carbon black (1333-86-4)**

- Listed on the United States TSCA (Toxic Substances Control Act) inventory

**Xylenes (o-, m-, p- isomers) (1330-20-7)**

- Listed on the United States TSCA (Toxic Substances Control Act) inventory
- Listed on SARA Section 313 (Specific toxic chemical listings)

**RQ (Reportable Quantity, Section 304 of EPA's List of Lists):** 100 lb

**SARA Section 313 - Emission Reporting:** 1.0 %

**Methylcyclohexane (108-87-2)**

- Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### US State Regulations

**Titanium dioxide (13463-67-7)**

- **U.S. - California - Proposition 65 - Carcinogens List**
  
  **WARNING:** This product contains chemicals known to the State of California to cause cancer.

**Carbon black (1333-86-4)**

- **U.S. - California - Proposition 65 - Carcinogens List**
  
  **WARNING:** This product contains chemicals known to the State of California to cause cancer.

**Titanium dioxide (13463-67-7)**

- **U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)**
- **U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)**
- **U.S. - Idaho - Occupational Exposure Limits - TWAs**
- **U.S. - Illinois - Toxic Air Contaminant Carcinogens**
- **RTK - U.S. - Massachusetts - Right To Know List**
- **U.S. - Michigan - Occupational Exposure Limits - TWAs**
- **U.S. - Minnesota - Chemicals of High Concern**
- **U.S. - Minnesota - Hazardous Substance List**
- **U.S. - Minnesota - Permissible Exposure Limits - TWAs**
- **U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour**
- **U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual**
- **RTK - U.S. - New Jersey - Right to Know Hazardous Substance List**
- **U.S. - New York - Occupational Exposure Limits - TWAs**
- **U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour**
- **U.S. - Oregon - Permissible Exposure Limits - TWAs**
- **RTK - U.S. - Pennsylvania - RTK (Right to Know) List**
- **U.S. - Tennessee - Occupational Exposure Limits - TWAs**
- **U.S. - Texas - Effects Screening Levels - Long Term**
- **U.S. - Texas - Effects Screening Levels - Short Term**
| U.S. - Vermont - Permissible Exposure Limits - TWAs |
| U.S. - Washington - Permissible Exposure Limits - STELs |
| U.S. - Washington - Permissible Exposure Limits - TWAs |

**Carbon black (1333-86-4)**

| U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728) |
| U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min) |
| U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr) |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs) |
| U.S. - Idaho - Occupational Exposure Limits - TWAs |
| U.S. - Illinois - Toxic Air Contaminant Carcinogens |
| U.S. - Illinois - Toxic Air Contaminants |
| U.S. - Maine - Chemicals of High Concern |
| RTK - U.S. - Massachusetts - Right To Know List |
| U.S. - Michigan - Occupational Exposure Limits - TWAs |
| U.S. - Minnesota - Chemicals of High Concern |
| U.S. - Minnesota - Hazardous Substance List |
| U.S. - Minnesota - Permissible Exposure Limits - TWAs |
| RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |
| U.S. - New Jersey - Special Health Hazards Substances List |
| U.S. - New York - Occupational Exposure Limits - TWAs |
| U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour |
| U.S. - Oregon - Permissible Exposure Limits - TWAs |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List |
| U.S. - Tennessee - Occupational Exposure Limits - TWAs |
| U.S. - Texas - Effects Screening Levels - Long Term |
| U.S. - Texas - Effects Screening Levels - Short Term |
| U.S. - Vermont - Permissible Exposure Limits - TWAs |
| U.S. - Washington - Permissible Exposure Limits - STELs |
| U.S. - Washington - Permissible Exposure Limits - TWAs |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater |
| U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet |

**Xylenes (o-, m-, p- isomers) (1330-20-7)**

| U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Acute |
| U.S. - California - SCAQMD - Toxic Air Contaminants - Non-Cancer Chronic |
| U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728) |
| U.S. - Colorado - Groundwater Quality Standards |
| U.S. - Colorado - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues |
| U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Level Goals (MCLGs) |
| U.S. - Colorado - Primary Drinking Water Regulations - Maximum Contaminant Levels (MCLs) |
| U.S. - Connecticut - Drinking Water Quality Standards - Maximum Contaminant Levels |
| U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities |
| U.S. - Florida - Drinking Water Standards - Volatile Organic Contaminants - Maximum Contaminant Levels (MCLs) |
| U.S. - Georgia - Drinking Water - Maximum Contaminant Levels (MCLs) |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations |
| U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs) |
| U.S. - Idaho - Occupational Exposure Limits - TWAs |
| U.S. - Illinois - Toxic Air Contaminants |
| U.S. - Louisiana - Reportable Quantity List for Pollutants |
| U.S. - Maine - Air Pollutants - Hazardous Air Pollutants |
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| U.S. - Massachusetts - Allowable Ambient Limits (AALs) |  |
| U.S. - Massachusetts - Allowable Threshold Concentrations (ATCs) |  |
| U.S. - Massachusetts - Drinking Water - Maximum Contaminant Levels (MCLs) |  |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1 |  |
| U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2 |  |
| U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity |  |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1 |  |
| U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2 |  |
| RTK - U.S. - Massachusetts - Right To Know List |  |
| U.S. - Massachusetts - Threshold Effects Exposure Limits (TELS) |  |
| U.S. - Massachusetts - Toxics Use Reduction Act |  |
| U.S. - Michigan - Occupational Exposure Limits - STELs |  |
| U.S. - Michigan - Occupational Exposure Limits - TWAs |  |
| U.S. - Michigan - Polluting Materials List |  |
| U.S. - Minnesota - Chemicals of High Concern |  |
| U.S. - Minnesota - Groundwater Health Risk Limits |  |
| U.S. - Minnesota - Hazardous Substance List |  |
| U.S. - Minnesota - Permissible Exposure Limits - STELs |  |
| U.S. - Minnesota - Permissible Exposure Limits - TWAs |  |
| U.S. - Missouri - Drinking Water - Maximum Contaminant Levels (MCLs) |  |
| U.S. - Nebraska - Drinking Water - Maximum Contaminant Levels (MCLs) |  |
| U.S. - New Hampshire - Drinking Water - Maximum Contaminant Levels (MCLs) |  |
| U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - 24-Hour |  |
| U.S. - New Hampshire - Regulated Toxic Air Pollutants - Ambient Air Levels (AALs) - Annual |  |
| U.S. - New Jersey - Discharge Prevention - List of Hazardous Substances |  |
| U.S. - New Jersey - Environmental Hazardous Substances List |  |
| U.S. - New Jersey - Primary Drinking Water Standards - Maximum Contaminant Levels - MCLs |  |
| RTK - U.S. - New Jersey - Right to Know Hazardous Substance List |  |
| U.S. - New Jersey - Special Health Hazards Substances List |  |
| U.S. - New Jersey - Water Quality - Ground Water Quality Criteria |  |
| U.S. - New Jersey - Water Quality - Practical Quantitation Levels (PQLs) |  |
| U.S. - New Mexico - Water Quality - Standards for Ground Water of 10,000 mg/L TDS Concentration or Less |  |
| U.S. - New York - Occupational Exposure Limits - TWAs |  |
| U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances |  |
| U.S. - North Carolina - Control of Toxic Air Pollutants |  |
| U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour |  |
| U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour |  |
| U.S. - North Dakota - Hazardous Wastes - Discarded Chemical Products, Off-Specification Species, Container and Spill Residues |  |
| U.S. - North Dakota - Water Quality Standards - Human Health Value for Classes I, IA, II |  |
| U.S. - Oregon - Permissible Exposure Limits - TWAs |  |
| U.S. - Pennsylvania - Drinking Water - Maximum Contaminant Levels (MCLs) |  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List |  |
| RTK - U.S. - Pennsylvania - RTK (Right to Know) List |  |
| U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 1-Hour |  |
| U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - 24-Hour |  |
| U.S. - Rhode Island - Air Toxics - Acceptable Ambient Levels - Annual |  |
| U.S. - Rhode Island - Water Quality Standards - Acute Freshwater Aquatic Life Criteria |  |
| U.S. - Rhode Island - Water Quality Standards - Chronic Freshwater Aquatic Life Criteria |  |
| U.S. - South Carolina - Maximum Contaminant Levels (MCLs) |  |
| U.S. - South Carolina - Toxic Air Pollutants - Maximum Allowable Concentrations |  |
| U.S. - South Carolina - Toxic Air Pollutants - Pollutant Categories |  |
| U.S. - Tennessee - Occupational Exposure Limits - STELs |  |
| U.S. - Tennessee - Occupational Exposure Limits - TWAs |  |
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U.S. - Texas - City of Austin - Aerosol Paint and Glue Restrictions
U.S. - Texas - Drinking Water Standards - Maximum Contaminant Levels (MCLs)
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Utah - Drinking Water - Maximum Contaminant Levels (MCLs)
U.S. - Washington - Dangerous Waste - Discarded Chemical Products List
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs
U.S. - West Virginia - Water Quality - Groundwater Standards - Ceiling Concentrations
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 25 Feet to Less Than 40 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 40 Feet to Less Than 75 Feet
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights 75 Feet or Greater
U.S. - Wisconsin - Hazardous Air Contaminants - All Sources - Emissions From Stack Heights Less Than 25 Feet

Methylocyclohexane (108-87-2)

U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min)
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr)
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations
U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs)
U.S. - Idaho - Occupational Exposure Limits - TWAs
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Groundwater Reportable Concentration - Reporting Category 2
U.S. - Massachusetts - Oil & Hazardous Material List - Reportable Quantity
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 1
U.S. - Massachusetts - Oil & Hazardous Material List - Soil Reportable Concentration - Reporting Category 2
RTK - U.S. - Massachusetts - Right To Know List
U.S. - Michigan - Occupational Exposure Limits - TWAs
U.S. - Minnesota - Hazardous Substance List
U.S. - Minnesota - Permissible Exposure Limits - TWAs
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - New Jersey - Special Health Hazards Substances List
U.S. - New York - Occupational Exposure Limits - TWAs
U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour
U.S. - Oregon - Permissible Exposure Limits - TWAs
RTK - U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Tennessee - Occupational Exposure Limits - TWAs
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term
U.S. - Vermont - Permissible Exposure Limits - TWAs
U.S. - Washington - Permissible Exposure Limits - STELs
U.S. - Washington - Permissible Exposure Limits - TWAs

Canadian Regulations

Nissen Super Fine Metal Marker - All Colors

WHMIS Classification

Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Class D Division 2 Subdivision B - Toxic material causing other toxic effects

Titanium dioxide (13463-67-7)

Listed on the Canadian DSL (Domestic Substances List) inventory.

WHMIS Classification

Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
# Nissen Super Fine Metal Marker - All Colors

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### Carbon black (1333-86-4)
- Listed on the Canadian DSL (Domestic Substances List) inventory.
- WHMIS Classification
  - Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

### Xylenes (α-, m-, p- isomers) (1330-20-7)
- Listed on the Canadian DSL (Domestic Substances List) inventory.
- WHMIS Classification
  - Class B Division 2 - Flammable Liquid
  - Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
  - Class D Division 2 Subdivision B - Toxic material causing other toxic effects

### Methylcyclohexane (108-87-2)
- Listed on the Canadian DSL (Domestic Substances List) inventory.
- Listed on the Canadian Ingredient Disclosure List
- WHMIS Classification
  - Class B Division 2 - Flammable Liquid
  - Class D Division 2 Subdivision B - Toxic material causing other toxic effects

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

### SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

**Revision date**: 12/09/2015

**Other Information**: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Acute Tox. 4 (Dermal)</th>
<th>Acute toxicity (dermal) Category 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Tox. 4 (Inhalation:vapor)</td>
<td>Acute toxicity (inhalation:vapor) Category 4</td>
</tr>
<tr>
<td>Aquatic Acute 2</td>
<td>Hazardous to the aquatic environment - Acute Hazard Category 2</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard Category 1</td>
</tr>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity Category 2</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>Serious eye damage/eye irritation Category 2A</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids Category 3</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) Category 3</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapor</td>
</tr>
<tr>
<td>H226</td>
<td>Flammable liquid and vapor</td>
</tr>
<tr>
<td>H304</td>
<td>May be fatal if swallowed and enters airways</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H336</td>
<td>May cause drowsiness or dizziness</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H401</td>
<td>Toxic to aquatic life</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>
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NFPA Health Hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA Fire Hazard: 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA Reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

Party Responsible for the Preparation of This Document
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Glenside, PA 19038
215-886-2025

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.