



Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 11/10/2014

Version: 1.0

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: Solid Barrel Metal Marker - All Colors

Synonyms: White Part# 02000, 02001, 02002, Yellow Part# 02003, 02004, 02005, Black Part# 02009, 02010, 02011, Red Part# 02006, 02007, 02008, Blue Part# 02012, 02013, 02014, Green Part# 02015, 02016, 02017, Orange Part# 02018, 02019, 02020

Intended Use of the Product Not available

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

Classification of the Substance or Mixture

Classification (GHS-US)

| | |
|-------------------|------|
| Flam. Liq. 3 | H226 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2A | H319 |
| Skin Sens. 1 | H317 |
| Muta. 1B | H340 |
| Carc. 1B | H350 |
| Repr. 2 | H361 |
| 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.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H340 - May cause genetic defects.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H401 - Toxic to aquatic life.

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

- Precautionary Statements (GHS-US)** :
- H411 - Toxic to aquatic life with long lasting effects.
 - 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 exposed areas thoroughly after handling.
 - P271 - Use only outdoors or in a well-ventilated area.
 - P272 - Contaminated work clothing must not be allowed out of the workplace.
 - 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/doctor.
 - P302+P352 - If on skin: Wash with plenty of water.
 - P303+P361+P353 - If on skin (or hair): 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 if you feel unwell.
 - P321 - Specific treatment (see section 4).
 - P331 - Do NOT induce vomiting.
 - P332+P313 - If skin irritation occurs: Get medical advice/attention.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P337+P313 - If eye irritation persists: Get medical advice/attention.
 - P362 - Take off contaminated clothing and wash before reuse.
 - P362+P364 - Take off contaminated clothing and wash it before reuse.
 - P370+P378 - In case of fire: Use appropriate media to extinguish.
 - 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 in accordance with local, regional, national, territorial, provincial, and international regulations.

Other Hazards

Flammable vapors can accumulate in head space of closed systems. Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. When heated to decomposition, emits toxic fumes.

Unknown Acute Toxicity (GHS-US) Not available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| Name | Product Identifier | % (w/w) | Classification (GHS-US) |
|--|---------------------|---------|---|
| Solvent naphtha, petroleum, light aromatic | (CAS No) 64742-95-6 | 20 - 35 | Flam. Liq. 1, H224 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT SE 3, H336 |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | | | |
|---|---------------------|---------------------------|---|
| | | | Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| Titanium dioxide | (CAS No) 13463-67-7 | 1 - 5, 5 - 10, 10 - 30 | Skin Irrit. 2, H315 |
| Distillates, petroleum, steam-cracked, polymerized | (CAS No) 68131-77-1 | 15 - 20 | Comb. Dust |
| Kaolin | (CAS No) 1332-58-7 | 15 - 20 | Not classified |
| Benzene, 1,2,4-trimethyl- | (CAS No) 95-63-6 | 1 - 5, 5 - 10 | Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411 |
| C.I. Pigment Green 7 | (CAS No) 1328-53-6 | 1 - 5, 5 - 10 | Comb. Dust |
| Carbon black | (CAS No) 1333-86-4 | 1 - 5, 5 - 10 | Carc. 2, H351 |
| C.I. Pigment Blue 15 | (CAS No) 147-14-8 | 1 - 5, 5 - 10 | Not classified |
| 3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'- biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro- 5-methyl-2-(4-methylphenyl)- | (CAS No) 15793-73-4 | 1 - 5, 5 - 10 | Not classified |
| C.I. Pigment Yellow 74 | (CAS No) 6358-31-2 | 1 - 5, 5 - 10 | Not classified |
| Butanamide, 2-[(4-methoxy-2- nitrophenyl)azo]-N-(2-methoxyphenyl)-3- oxo- | (CAS No) 6528-34-3 | 1 - 5, 5 - 10 | Not classified |
| Xylenes (o-, m-, p- isomers) | (CAS No) 1330-20-7 | 1 - 5 | Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 |
| 2-Naphthalenecarboxamide, 4-[[4- (aminocarbonyl)phenyl]azo]-N-(2- ethoxyphenyl)-3-hydroxy- | (CAS No) 2786-76-7 | 1 - 5 | Skin Sens. 1, H317 |
| Benzamidazolane orange | (CAS No) 12236-62-3 | 1 - 5 | Not classified |
| Butanamide, N-(2,3-dihydro-2-oxo-1H- benzimidazol-5-yl)-3-oxo-2-[[2- (trifluoromethyl)phenyl]azo]- | (CAS No) 68134-22-5 | 1 - 5 | Not classified |

Multiple WHMIS ranges have been utilized due to varying composition.

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.

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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 cancer. May cause genetic defects. May damage fertility. May damage the unborn child. Causes skin irritation. May cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause an allergic skin reaction.

Inhalation: May cause drowsiness or dizziness.

Skin Contact: Causes skin irritation. May cause an allergic skin reaction.

Eye Contact: Causes serious eye irritation.

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

Chronic Symptoms: May cause cancer. May damage fertility. May damage the unborn child. May cause heritable genetic damage.

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: Water spray, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

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). Nitrogen oxides. Sulfur oxides. May liberate toxic gases. Hydrocarbons. Oxides of copper. May release flammable gases. Titanium oxides.

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.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

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.

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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.

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

Specific End Use(s) Not available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

| Xylenes (o-, m-, p- isomers) (1330-20-7) | | |
|--|-------------------------------------|-----------------------|
| Mexico | OEL TWA (mg/m ³) | 435 mg/m ³ |
| Mexico | OEL TWA (ppm) | 100 ppm |
| Mexico | OEL STEL (mg/m ³) | 655 mg/m ³ |
| Mexico | OEL STEL (ppm) | 150 ppm |
| USA ACGIH | ACGIH TWA (ppm) | 100 ppm |
| USA ACGIH | ACGIH STEL (ppm) | 150 ppm |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 435 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (ppm) | 100 ppm |
| Alberta | OEL STEL (mg/m ³) | 651 mg/m ³ |
| Alberta | OEL STEL (ppm) | 150 ppm |
| Alberta | OEL TWA (mg/m ³) | 434 mg/m ³ |
| Alberta | OEL TWA (ppm) | 100 ppm |
| British Columbia | OEL STEL (ppm) | 150 ppm |
| British Columbia | OEL TWA (ppm) | 100 ppm |
| Manitoba | OEL STEL (ppm) | 150 ppm |
| Manitoba | OEL TWA (ppm) | 100 ppm |
| New Brunswick | OEL STEL (mg/m ³) | 651 mg/m ³ |
| New Brunswick | OEL STEL (ppm) | 150 ppm |
| New Brunswick | OEL TWA (mg/m ³) | 434 mg/m ³ |
| New Brunswick | OEL TWA (ppm) | 100 ppm |
| Newfoundland & Labrador | OEL STEL (ppm) | 150 ppm |
| Newfoundland & Labrador | OEL TWA (ppm) | 100 ppm |
| Nova Scotia | OEL STEL (ppm) | 150 ppm |
| Nova Scotia | OEL TWA (ppm) | 100 ppm |
| Nunavut | OEL STEL (mg/m ³) | 652 mg/m ³ |
| Nunavut | OEL STEL (ppm) | 150 ppm |
| Nunavut | OEL TWA (mg/m ³) | 434 mg/m ³ |
| Nunavut | OEL TWA (ppm) | 100 ppm |
| Northwest Territories | OEL STEL (mg/m ³) | 652 mg/m ³ |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | | |
|--|--------------------------------------|---|
| Northwest Territories | OEL STEL (ppm) | 150 ppm |
| Northwest Territories | OEL TWA (mg/m ³) | 434 mg/m ³ |
| Northwest Territories | OEL TWA (ppm) | 100 ppm |
| Ontario | OEL STEL (ppm) | 150 ppm |
| Ontario | OEL TWA (ppm) | 100 ppm |
| Prince Edward Island | OEL STEL (ppm) | 150 ppm |
| Prince Edward Island | OEL TWA (ppm) | 100 ppm |
| Québec | VECD (mg/m ³) | 651 mg/m ³ |
| Québec | VECD (ppm) | 150 ppm |
| Québec | VEMP (mg/m ³) | 434 mg/m ³ |
| Québec | VEMP (ppm) | 100 ppm |
| Saskatchewan | OEL STEL (ppm) | 150 ppm |
| Saskatchewan | OEL TWA (ppm) | 100 ppm |
| Yukon | OEL STEL (mg/m ³) | 650 mg/m ³ |
| Yukon | OEL STEL (ppm) | 150 ppm |
| Yukon | OEL TWA (mg/m ³) | 435 mg/m ³ |
| Yukon | OEL TWA (ppm) | 100 ppm |
| Benzene, 1,2,4-trimethyl- (95-63-6) | | |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 125 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (ppm) | 25 ppm |
| Kaolin (1332-58-7) | | |
| Mexico | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Mexico | OEL STEL (mg/m ³) | 20 mg/m ³ |
| USA ACGIH | ACGIH TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction) |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) 5 mg/m ³ (respirable fraction) |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 10 mg/m ³ (total dust) 5 mg/m ³ (respirable dust) |
| Alberta | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable) |
| British Columbia | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable particulate) |
| Manitoba | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable fraction) |
| New Brunswick | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction) |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable fraction) |
| Nova Scotia | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable fraction) |
| Nunavut | OEL TWA (mg/m ³) | 5 mg/m ³ (respirable mass) |
| Northwest Territories | OEL TWA (mg/m ³) | 5 mg/m ³ (respirable mass) |
| Ontario | OEL TWA (mg/m ³) | 2 mg/m ³ (containing no Asbestos and <1% Crystalline silica-respirable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 2 mg/m ³ (particulate matter containing no Asbestos and <1% Crystalline silica-respirable fraction) |
| Québec | VEMP (mg/m ³) | 5 mg/m ³ (containing no Asbestos and <1% Crystalline silica-respirable dust) |
| Saskatchewan | OEL STEL (mg/m ³) | 4 mg/m ³ (respirable fraction) |
| Saskatchewan | OEL TWA (mg/m ³) | 2 mg/m ³ (respirable fraction) |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | | |
|--------------------------------------|--------------------------------------|---|
| Yukon | OEL TWA (mg/m ³) | 30 mppcf |
| Titanium dioxide (13463-67-7) | | |
| Mexico | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Mexico | OEL STEL (mg/m ³) | 20 mg/m ³ |
| USA ACGIH | ACGIH TWA (mg/m ³) | 10 mg/m ³ |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 15 mg/m ³ (total dust) |
| USA IDLH | US IDLH (mg/m ³) | 5000 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 10 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 10 mg/m ³ (total dust) |
| Manitoba | OEL TWA (mg/m ³) | 10 mg/m ³ |
| New Brunswick | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nova Scotia | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 5 mg/m ³ (respirable mass) |
| Northwest Territories | OEL TWA (mg/m ³) | 5 mg/m ³ (respirable mass) |
| Ontario | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Prince Edward Island | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Québec | VEMP (mg/m ³) | 10 mg/m ³ (containing no Asbestos and <1% Crystalline silica-total dust) |
| Saskatchewan | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 10 mg/m ³ |
| Yukon | OEL STEL (mg/m ³) | 20 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 30 mppcf |
| Carbon black (1333-86-4) | | |
| Mexico | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| Mexico | OEL STEL (mg/m ³) | 7 mg/m ³ |
| USA ACGIH | ACGIH TWA (mg/m ³) | 3 mg/m ³ (inhalable fraction) |
| USA OSHA | OSHA PEL (TWA) (mg/m ³) | 3.5 mg/m ³ |
| USA NIOSH | NIOSH REL (TWA) (mg/m ³) | 3.5 mg/m ³ 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons) |
| USA IDLH | US IDLH (mg/m ³) | 1750 mg/m ³ |
| Alberta | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| British Columbia | OEL TWA (mg/m ³) | 3 mg/m ³ (inhalable) |
| Manitoba | OEL TWA (mg/m ³) | 3 mg/m ³ (inhalable fraction) |
| New Brunswick | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| Newfoundland & Labrador | OEL TWA (mg/m ³) | 3 mg/m ³ (inhalable fraction) |
| Nova Scotia | OEL TWA (mg/m ³) | 3 mg/m ³ (inhalable fraction) |
| Nunavut | OEL STEL (mg/m ³) | 7 mg/m ³ |
| Nunavut | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| Northwest Territories | OEL STEL (mg/m ³) | 7 mg/m ³ |
| Northwest Territories | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| Ontario | OEL TWA (mg/m ³) | 3 mg/m ³ (inhalable) |
| Prince Edward Island | OEL TWA (mg/m ³) | 3 mg/m ³ (inhalable fraction) |
| Québec | VEMP (mg/m ³) | 3.5 mg/m ³ |
| Saskatchewan | OEL STEL (mg/m ³) | 7 mg/m ³ |
| Saskatchewan | OEL TWA (mg/m ³) | 3.5 mg/m ³ |
| Yukon | OEL STEL (mg/m ³) | 7 mg/m ³ |
| Yukon | OEL TWA (mg/m ³) | 3.5 mg/m ³ |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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/vapors may be released. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flamm 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 | : Opaque, thick viscosity liquid |
| Odor | : Aromatic odor |
| Odor Threshold | : Not available |
| pH | : Not available |
| Evaporation Rate | : < 1 |
| Melting Point | : Not available |
| Freezing Point | : Not available |
| Boiling Point | : 318 - 338 °F (158.80 - 170.0°C) |
| Flash Point | : 108 °F (42.22 °C) |
| Auto-ignition Temperature | : Not available |
| Decomposition Temperature | : Not available |
| Flammability (solid, gas) | : Not available |
| Lower Flammable Limit | : 1.9 % (Explosive limit) |
| Upper Flammable Limit | : 12.3 % (Explosive limit) |
| Vapor Pressure | : Not available |
| Relative Vapor Density at 20 °C | : > 1 |
| Relative Density | : Not available |
| Specific Gravity | : > 1 @21.1°C (70°F) |
| Solubility | : Water: Slight |
| Partition Coefficient: N-octanol/water | : Not available |
| Viscosity | : Not available |
| Explosion Data – Sensitivity to Mechanical Impact | : Not expected to present an explosion hazard due to mechanical impact. |
| Explosion Data – Sensitivity to Static Discharge | : Static discharge could act as an ignition source. |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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. Nitrogen oxides. Sulfur oxides. Oxides of copper.

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: May cause an allergic skin reaction.

Germ Cell Mutagenicity: May cause genetic defects.

Teratogenicity: Not available

Carcinogenicity: May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

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. May cause an allergic skin reaction.

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

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

Chronic Symptoms: May cause cancer. May damage fertility. May damage the unborn child. May cause heritable genetic damage.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
|---|--|
| LD50 Oral Rat | 3500 mg/kg |
| LD50 Dermal Rabbit | > 1700 mg/kg |
| LC50 Inhalation Rat | 47635 mg/l/4h (Exposure time: 4 h) |
| LC50 Inhalation Rat | 6247 ppm/4h (species: Sprague-Dawley) |
| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
| LD50 Dermal Rabbit | > 2000 mg/kg |
| LC50 Inhalation Rat | 3400 ppm/4h |
| ATE US (gases) | 3,400.00 ppmV/4h |
| Benzene, 1,2,4-trimethyl- (95-63-6) | |
| LD50 Oral Rat | 6000 mg/kg |
| LD50 Dermal Rabbit | > 3160 mg/kg |
| LC50 Inhalation Rat | 18 g/m ³ (Exposure time: 4 h) |
| ATE US (oral) | 6,000.00 mg/kg body weight |
| ATE US (vapors) | 10.80 mg/l/4h |
| ATE US (dust, mist) | 18.00 mg/l/4h |
| Titanium dioxide (13463-67-7) | |
| LD50 Oral Rat | > 10000 mg/kg |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | |
|---|--------------|
| C.I. Pigment Green 7 (1328-53-6) | |
| LD50 Oral Rat | > 3000 mg/kg |
| Carbon black (1333-86-4) | |
| LD50 Oral Rat | > 8000 mg/kg |
| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
| IARC Group | 3 |
| Titanium dioxide (13463-67-7) | |
| IARC Group | 2B |
| Carbon black (1333-86-4) | |
| IARC Group | 2B |

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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

| | |
|--|---|
| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
| LC50 Fish 1 | 3.3 mg/l |
| EC50 Daphnia 1 | 3.82 mg/l (Exposure time: 48 h - Species: water flea) |
| LC 50 Fish 2 | 2.661 (2.661 - 4.093) mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
| LC50 Fish 1 | 9.22 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss) |
| EC50 Daphnia 1 | 6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| Benzene, 1,2,4-trimethyl- (95-63-6) | |
| LC50 Fish 1 | 7.19 (7.19 - 8.28) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through]) |
| EC50 Daphnia 1 | 6.14 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| C.I. Pigment Green 7 (1328-53-6) | |
| LC50 Fish 1 | 752.4 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| Carbon black (1333-86-4) | |
| EC50 Daphnia 1 | 5600 mg/l (Exposure time: 24 h - Species: Daphnia magna) |
| Persistence and Degradability | |
| Solid Barrel Metal Marker - All Colors | |
| Persistence and Degradability | May cause long-term adverse effects in the environment. |
| Bioaccumulative Potential | |
| Solid Barrel Metal Marker - All Colors | |
| Bioaccumulative Potential | Not established. |
| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
| BCF Fish 1 | 0.6 (0.6 - 15) |
| Log Pow | 2.77 - 3.15 |
| Benzene, 1,2,4-trimethyl- (95-63-6) | |
| Log Pow | 3.63 |
| C.I. Pigment Green 7 (1328-53-6) | |
| BCF Fish 1 | 0.51 - 74 |
| C.I. Pigment Blue 15 (147-14-8) | |
| BCF Fish 1 | 0.3 - 11 |
| Log Pow | 6.6 (at 25 °C) |

Mobility in Soil Not available

Other Adverse Effects

Other Information: Avoid release to the environment.

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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.

Ecology – Waste Materials: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT

Proper Shipping Name : CONSUMER COMMODITY
 Hazard Class : 9
 Identification Number : ID8000
 Label Codes : 9
 ERG Number : 171



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



In Accordance with IATA

Proper Shipping Name : CONSUMER COMMODITY
 Identification Number : ID8000
 Hazard Class : 9
 Label Codes : 9
 ERG Code (IATA) : 9L



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

| | |
|---|---|
| Solid Barrel Metal Marker - All Colors | |
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard |
| Xylenes (o-, m-, p- isomers) (1330-20-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313 | |
| RQ (Reportable Quantity, Section 304 of EPA's List of Lists): | 100 lb |
| SARA Section 311/312 Hazard Classes | Delayed (chronic) health hazard Fire hazard Immediate (acute) health hazard |
| SARA Section 313 - Emission Reporting | 1.0 % |
| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Benzene, 1,2,4-trimethyl- (95-63-6) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313 | |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | |
|---|-------|
| SARA Section 313 - Emission Reporting | 1.0 % |
| Kaolin (1332-58-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Distillates, petroleum, steam-cracked, polymerized (68131-77-1) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Titanium dioxide (13463-67-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| C.I. Pigment Green 7 (1328-53-6) | |
| 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 | |
| C.I. Pigment Blue 15 (147-14-8) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(4-methylphenyl)- (15793-73-4) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| C.I. Pigment Yellow 74 (6358-31-2) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Butanamide, 2-[(4-methoxy-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo- (6528-34-3) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| 2-Naphthalenecarboxamide, 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxy- (2786-76-7) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Benzamidazolane orange (12236-62-3) | |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory | |
| Butanamide, N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-2-[[2-(trifluoromethyl)phenyl]azo]- (68134-22-5) | |
| 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. |
| 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 | |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

U.S. - Maine - Air Pollutants - Hazardous Air Pollutants
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 (TEELs)
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. - California - Safer Consumer Products - Initial List of Candidate Chemicals and Chemical Groups
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

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

U.S. - Tennessee - Occupational Exposure Limits - TWAs
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

Solvent naphtha, petroleum, light aromatic (64742-95-6)

U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Benzene, 1,2,4-trimethyl- (95-63-6)

U.S. - California - Toxic Air Contaminant List (AB 1807, AB 2728)
U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities
U.S. - Georgia - Drinking Water - Unregulated Volatile Organic Contaminants
U.S. - Illinois - Toxic Air Contaminants
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 - Toxics Use Reduction Act
U.S. - Minnesota - Hazardous Substance List
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
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List
RTK - U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
RTK - U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

Kaolin (1332-58-7)

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
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
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

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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

Distillates, petroleum, steam-cracked, polymerized (68131-77-1)

U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

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

C.I. Pigment Green 7 (1328-53-6)

U.S. - Texas - Effects Screening Levels - Long Term
U.S. - Texas - Effects Screening Levels - Short Term

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

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

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

C.I. Pigment Blue 15 (147-14-8)

U.S. - Texas - Effects Screening Levels - Long Term
 U.S. - Texas - Effects Screening Levels - Short Term

3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(4-methylphenyl)]- (15793-73-4)

U.S. - Texas - Effects Screening Levels - Long Term
 U.S. - Texas - Effects Screening Levels - Short Term

C.I. Pigment Yellow 74 (6358-31-2)

U.S. - Texas - Effects Screening Levels - Long Term
 U.S. - Texas - Effects Screening Levels - Short Term

Butanamide, 2-[(4-methoxy-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo- (6528-34-3)

U.S. - Texas - Effects Screening Levels - Long Term
 U.S. - Texas - Effects Screening Levels - Short Term

2-Naphthalenecarboxamide, 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxy- (2786-76-7)

U.S. - Texas - Effects Screening Levels - Long Term
 U.S. - Texas - Effects Screening Levels - Short Term

Benzamidazolane orange (12236-62-3)

U.S. - Texas - Effects Screening Levels - Long Term
 U.S. - Texas - Effects Screening Levels - Short Term

Canadian Regulations

Solid Barrel 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 |
|----------------------|--|



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

Listed on the Canadian DSL (Domestic Substances List)

| | |
|----------------------|--|
| 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 |
|----------------------|--|

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | |
|---|--|
| Solvent naphtha, petroleum, light aromatic (64742-95-6) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Class B Division 3 - Combustible Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
| Benzene, 1,2,4-trimethyl- (95-63-6) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| Listed on the Canadian IDL (Ingredient Disclosure List) | |
| IDL Concentration 0.1 % | |
| WHMIS Classification | Class B Division 3 - Combustible 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 |
| Kaolin (1332-58-7) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| Distillates, petroleum, steam-cracked, polymerized (68131-77-1) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| Titanium dioxide (13463-67-7) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| C.I. Pigment Green 7 (1328-53-6) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| Carbon black (1333-86-4) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| Listed on the Canadian IDL (Ingredient Disclosure List) | |
| IDL Concentration 1 % | |
| WHMIS Classification | Class D Division 2 Subdivision A - Very toxic material causing other toxic effects |
| C.I. Pigment Blue 15 (147-14-8) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| 3H-Pyrazol-3-one, 4,4'-[(3,3'-dichloro[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[2,4-dihydro-5-methyl-2-(4-methylphenyl)- (15793-73-4) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| C.I. Pigment Yellow 74 (6358-31-2) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |
| Butanamide, 2-[(4-methoxy-2-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxo- (6528-34-3) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| 2-Naphthalenecarboxamide, 4-[[4-(aminocarbonyl)phenyl]azo]-N-(2-ethoxyphenyl)-3-hydroxy- (2786-76-7) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Class D Division 2 Subdivision B - Toxic material causing other toxic effects |
| Benzamidazolane orange (12236-62-3) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

| | |
|--|---|
| Butanamide, N-(2,3-dihydro-2-oxo-1H-benzimidazol-5-yl)-3-oxo-2-[[2-(trifluoromethyl)phenyl]azo]- (68134-22-5) | |
| Listed on the Canadian DSL (Domestic Substances List) | |
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

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 : 11/10/2014
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:

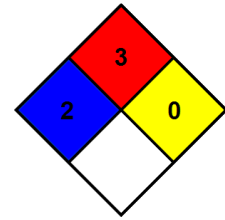
| | |
|----------------------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Inhalation:vapour) | Acute toxicity (inhalation:vapour) Category 4 |
| Aquatic Acute 2 | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment - Chronic Hazard Category 2 |
| Asp. Tox. 1 | Aspiration hazard Category 1 |
| Carc. 1B | Carcinogenicity Category 1B |
| Carc. 2 | Carcinogenicity Category 2 |
| Comb. Dust | Combustible Dust |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Liq. 1 | Flammable liquids Category 1 |
| Flam. Liq. 3 | Flammable liquids Category 3 |
| Muta. 1B | Germ cell mutagenicity Category 1B |
| Repr. 2 | Reproductive toxicity Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| Skin Sens. 1 | Skin sensitization Category 1 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H224 | Extremely flammable liquid and vapor |
| H226 | Flammable liquid and vapor |
| H232 | May form combustible dust concentrations in air |
| H304 | May be fatal if swallowed and enters airways |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H332 | Harmful if inhaled |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |
| H340 | May cause genetic defects |
| H350 | May cause cancer |
| H351 | Suspected of causing cancer |
| H361 | Suspected of damaging fertility or the unborn child |
| H401 | Toxic to aquatic life |
| H411 | Toxic to aquatic life with long lasting effects |

Solid Barrel Metal Marker - All Colors

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

- 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

J.P. Nissen Co.
2544 Fairhill Avenue
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.

North America GHS US 2012 & WHMIS 2