1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>DURALAQ NITROCELLULOSE LACQUER SATIN DEEP TINT BASE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Code</td>
<td>1K01-9984</td>
</tr>
<tr>
<td>Alternate Product Code</td>
<td>TR0484</td>
</tr>
<tr>
<td>Product Class</td>
<td>LACQUER</td>
</tr>
<tr>
<td>Color</td>
<td>All</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Paint</td>
</tr>
<tr>
<td>Restrictions on use</td>
<td>No information available</td>
</tr>
</tbody>
</table>

Manufacturer
Benjamin Moore & Co.
101 Paragon Drive
Montvale, NJ 07645
Phone: 1-866-708-9180
lenmar-coatings.com

Emergency Telephone
CHEMTREC (US): 800-424-9300
CHEMTREC (outside US): (703)-527-3887

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Specific target organ toxicity</td>
<td>Category 3</td>
</tr>
<tr>
<td>Specific target organ toxicity</td>
<td>Category 2</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Label elements

Danger

Hazard statements
Causes skin irritation
Causes serious eye damage
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May cause drowsiness or dizziness
**Precautionary Statements - Prevention**
- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use personal protective equipment as required
- Wash face, hands and any exposed skin thoroughly after handling
- Do not breathe dust/fume/gas/mist/vapors/spray
- Use only outdoors or in a well-ventilated area
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
- Keep container tightly closed
- Ground/bond container and receiving equipment
- Use explosion-proof electrical/ventilating/lighting/equipment
- Use only non-sparking tools
- Take precautionary measures against static discharge
- Keep cool

**Precautionary Statements - Response**
- IF exposed or concerned: Get medical advice/attention
  - **Eyes**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
  - Immediately call a POISON CENTER or doctor/physician
  - **Skin**: If skin irritation occurs: Get medical advice/attention
  - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
  - Wash contaminated clothing before reuse
  - **Inhalation**: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
  - **Ingestion**: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
  - Do NOT induce vomiting
  - **Fire**: In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**
- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

**Precautionary Statements - Disposal**
- Dispose of contents/container to an approved waste disposal plant
Hazard not otherwise classified (HNOC)  
Not applicable

Other information  
No information available

## 3. COMPOSITION INFORMATION ON COMPONENTS

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No.</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-Butyl acetate</td>
<td>123-86-4</td>
<td>20</td>
</tr>
<tr>
<td>Acetone</td>
<td>67-64-1</td>
<td>15</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>15</td>
</tr>
<tr>
<td>cellulose, nitrate</td>
<td>9004-70-0</td>
<td>10</td>
</tr>
<tr>
<td>VM&amp;P naphtha</td>
<td>64742-89-8</td>
<td>10</td>
</tr>
<tr>
<td>Toluene</td>
<td>108-88-3</td>
<td>10</td>
</tr>
<tr>
<td>Isopropyl alcohol</td>
<td>67-63-0</td>
<td>5</td>
</tr>
<tr>
<td>2-Pentanone, 4-methyl-</td>
<td>108-10-1</td>
<td>5</td>
</tr>
<tr>
<td>n-Butyl alcohol</td>
<td>71-36-3</td>
<td>5</td>
</tr>
<tr>
<td>Isobutyl alcohol</td>
<td>78-83-1</td>
<td>5</td>
</tr>
<tr>
<td>Soybean oil, epoxidized</td>
<td>8013-07-8</td>
<td>5</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>5</td>
</tr>
<tr>
<td>Talc</td>
<td>14807-96-6</td>
<td>5</td>
</tr>
<tr>
<td>Octane</td>
<td>111-65-9</td>
<td>0.5</td>
</tr>
<tr>
<td>Heptane</td>
<td>142-82-5</td>
<td>0.5</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>100-41-4</td>
<td>0.5</td>
</tr>
</tbody>
</table>

## 4. FIRST AID MEASURES

### Description of first aid measures

**General Advice**  
If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.

**Eye Contact**  
Immediate medical attention is required. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes.

**Skin Contact**  
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

**Inhalation**  
Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration. Call a physician immediately.

**Ingestion**  
Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician.

**Protection Of First-Aiders**  
Use personal protective equipment.

**Most Important**  
No information available.
Symptoms/Effects
Notes To Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties
Vapors may travel considerable distance to a source of ignition and flash back. Vapors may cause flash fire.

Suitable Extinguishing Media
Foam, dry powder or water. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Protective Equipment And Precautions For Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Hazardous combustion products
Burning may result in carbon dioxide, carbon monoxide and other combustion products of varying composition which may be toxic and/or irritating.

Specific Hazards Arising From The Chemical
Flammable. Flash back possible over considerable distance. Keep product and empty container away from heat and sources of ignition. Closed containers may rupture if exposed to fire or extreme heat. Thermal decomposition can lead to release of irritating gases and vapors.

Sensitivity To Mechanical Impact
No

Sensitivity To Static Discharge
Yes

Flash Point Data
Flash Point (°F) 32
Flash Point (°C) 0
Method PMCC

Flammability Limits In Air
Lower flammability limit: Not available
Upper flammability limit: Not available

NFPA
Health: 2  Flammability: 3  Instability: 1  Special: Not Applicable

NFPA Legend
0 - Not Hazardous
1 - Slightly
2 - Moderate
3 - High
4 - Severe

The ratings assigned are only suggested ratings, the contractor/employer has ultimate responsibilities for NFPA ratings where this system is used.

Additional information regarding the NFPA rating system is available from the National Fire Protection Agency (NFPA) at www.nfpa.org.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Remove all sources of ignition. Take precautions to prevent flashback. Ground and bond all containers and handling equipment. Take precautionary measures against static discharges. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Other Information
Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spills cannot be contained.

Environmental precautions
See Section 12 for additional Ecological Information.

Methods for Cleaning Up
Dam up. Soak up with inert absorbent material. Use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapors or spray mist. Use only in ventilated areas. Prevent vapor build-up by providing adequate ventilation during and after use.

Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from heat, sparks and flame. Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone. Ignition and/or flash back may occur.

Storage

Incompatible Materials
Incompatible with strong acids and bases and strong oxidizing agents.

Technical measures/Precautions
Ensure adequate ventilation. Use only where airflow will keep vapors from building up in or near the work area in adjoining rooms. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing and disposal of flammable liquids.

Dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. All equipment should be non-sparking and explosion proof. Use explosion proof electrical equipment for ventilation, lighting and material handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
</table>

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### 8. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>little or no odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Density (lbs/gal)</td>
<td>8.3 - 8.7</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.00 - 1.04</td>
</tr>
<tr>
<td>pH</td>
<td>No information available</td>
</tr>
<tr>
<td>Viscosity (cps)</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No information available</td>
</tr>
</tbody>
</table>

### Legend

Appropriate engineering controls

- **Engineering Measures**: Ensure adequate ventilation, especially in confined areas.

- **Personal Protective Equipment**
  - **Eye/Face Protection**: Safety glasses with side-shields.
  - **Skin Protection**: Long sleeved clothing. Protective gloves.
  - **Respiratory Protection**: Use only with adequate ventilation. In operations where exposure limits are exceeded, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. When spraying the product or applying in confined areas, wear a NIOSH approved respirator specified for paint spray or organic vapors.

Hygiene Measures

- Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling.
### 10. STABILITY AND REACTIVITY

**Reactivity**
No data available

**Chemical Stability**
Stable under normal conditions. Hazardous polymerisation does not occur.

**Conditions to avoid**
Keep away from open flames, hot surfaces, static electricity and sources of ignition. Sparks. Elevated temperature.

**Incompatible Materials**
Incompatible with strong acids and bases and strong oxidizing agents.

**Hazardous Decomposition Products**
Thermal decomposition can lead to release of irritating gases and vapors.

**Possibility of hazardous reactions**
None under normal conditions of use.

### 11. TOXICOLOGICAL INFORMATION

**Product Information**

**Information on likely routes of exposure**

**Principal Routes of Exposure**
Eye contact, skin contact and inhalation.
Acute Toxicity

Product Information
Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact
Severely irritating to eyes. May cause burns. Risk of serious damage to eyes.
Skin contact
May cause skin irritation and/or dermatitis. Prolonged skin contact may defat the skin and produce dermatitis.
Ingestion
Harmful if swallowed. Ingestion may cause irritation to mucous membranes. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.
Inhalation
Harmful by inhalation. High vapor / aerosol concentrations are irritating to the eyes, nose, throat and lungs and may cause headaches, dizziness, drowsiness, unconsciousness, and other central nervous system effects.

Sensitization
No information available
Neurological Effects
No information available.
Mutagenic Effects
No information available.
Reproductive Effects
Possible risk of impaired fertility. Possible risk of harm to the unborn child.
Developmental Effects
No information available.
Target organ effects
Causes damage to organs through prolonged or repeated exposure if inhaled. May cause disorder and damage to the liver, kidney, spleen, blood, Central nervous system.
STOT - repeated exposure
STOT - single exposure
May cause disorder and damage to the Respiratory system. Central nervous system.
Other adverse effects
No information available.
Aspiration Hazard
May be harmful if swallowed and enters airways. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death.

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 4832 mg/kg
ATEmix (dermal) 7693 mg/kg
ATEmix (inhalation-dust/mist) 35.8 mg/L
ATEmix (inhalation-vapor) 33 mg/L

Acute Toxicity

Component Information

n-Butyl acetate
LD50 Oral: 10768 mg/kg (Rat)
LD50 Dermal: > 17600 mg/kg (Rabbit)
LC50 Inhalation (Vapor): ppm (Rat, 4 hr.)
Sensitization non-sensitizing (guinea pig)

**Acetone**
LD50 Oral: 5800 mg/kg (Rat)

**Titanium dioxide**
LD50 Oral: > 10000 mg/kg (Rat)

**Toluene**
LD50 Oral: 636 mg/kg (Rat)
LD50 Dermal: 14100 µL/kg (Rabbit)
LC50 Inhalation (Vapor): 49000 mg/m³ (Rat, 4 hr.)

**Isopropyl alcohol**
LD50 Oral: mg/kg (Rat)
LD50 Dermal: mg/kg (Rabbit)

**LD50 Oral: 5800 mg/kg (Rat)**
LD50 Dermal: 14100 µL/kg (Rabbit)
LC50 Inhalation (Vapor): 49000 mg/m³ (Rat, 4 hr.)

**Isopropyl alcohol**
LD50 Oral: mg/kg (Rat)
LD50 Dermal: mg/kg (Rabbit)
 LC50 Inhalation (Vapor): ppm (Rat)

2-Pentanone, 4-methyl-
LD50 Oral: 2080-4600 mg/kg (Rat)
LC50 Inhalation (Vapor): 100000 mg/m³

**n-Butyl alcohol**
LD50 Oral: 790 - 800 mg/kg (Rat)
LD50 Dermal: 3400 mg/kg
LC50 Inhalation (Vapor): 24000 mg/m³ (Rat, 4 hr.)

**Isobutyl alcohol**
LD50 Oral: 2460 mg/kg (Rat)
LD50 Dermal: 3400 mg/kg (Rabbit)
LC50 Inhalation (Vapor): 19200 mg/m³ (Rat, 4 hr.)

**Ethanol**
LD50 Oral: mg/kg (Rat)
LC50 Inhalation (Vapor): ppm (Rat, 10 hr.)

**Heptane**
LC50 Inhalation (Vapor): 103000 mg/m³ (Rat, 4 hr.)

**Ethyl benzene**
LD50 Oral: mg/kg (Rat)
LD50 Dermal: > mg/kg (Rabbit)
LC50 Inhalation (Vapor): mg/m³ (Rat, 2 hr.)

---

**Carcinogenicity**
The information below indicates whether each agency has listed any ingredient as a carcinogen:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
<td>Listed</td>
</tr>
<tr>
<td>2-Pentanone, 4-methyl-</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
<td>Listed</td>
</tr>
<tr>
<td>Ethyl benzene</td>
<td>2B - Possible Human Carcinogen</td>
<td></td>
<td>Listed</td>
</tr>
</tbody>
</table>

* Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

---

**Legend**
IARC - International Agency for Research on Cancer
NTP - National Toxicity Program
OSHA - Occupational Safety & Health Administration
12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
The environmental impact of this product has not been fully investigated.

Product Information

Acute Toxicity to Fish
No information available

Acute Toxicity to Aquatic Invertebrates
No information available

Acute Toxicity to Aquatic Plants
No information available

Persistence / Degradability
No information available.

Bioaccumulation
There is no data for this product.

Mobility in Environmental Media
No information available.

Ozone
Not applicable

Component Information

Acute Toxicity to Fish
No information available
n-Butyl acetate
LC50: 18 mg/L (Fathead Minnow - 96 hr.)
Acetone
LC50: 8300 (Bluegill - 96 hr.) mg/L
Titanium dioxide
LC50: > 1000 mg/L (Fathead Minnow - 96 hr.)
Ethyl benzene
LC50: 12.1 mg/L (Fathead Minnow - 96 hr.)

Acute Toxicity to Aquatic Invertebrates
No information available
n-Butyl acetate
EC50: 72.8 mg/L (Daphnia magna - 48 hr.)
Acetone
EC50: 12600 mg/L (Daphnia magna - 48 hr.)
Ethyl benzene
EC50: 1.8 mg/L (Daphnia magna - 48 hr.)

Acute Toxicity to Aquatic Plants
13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Dispose of in accordance with federal, state, and local regulations. Local requirements may vary, consult your sanitation department or state-designated environmental protection agency for more disposal options.

Empty Container Warning
Emptied containers may retain product residue. Follow label warnings even after container is emptied. Residual vapors may explode on ignition.

14. TRANSPORT INFORMATION

DOT
Proper Shipping Name: PAINT
Hazard class: 3
UN-No.: UN1263
Packing Group: II
Description: UN1263, PAINT, 3, II

ICAO / IATA
Contact the preparer for further information.

IMDG / IMO
Contact the preparer for further information.

15. REGULATORY INFORMATION

International Inventories
TSCA: United States
Yes - All components are listed or exempt.
DSL: Canada
Yes - All components are listed or exempt.

Federal Regulations

SARA 311/312 hazardous categorization

- Acute health hazard: Yes
- Chronic Health Hazard: Yes
- Fire hazard: Yes
- Sudden release of pressure hazard: No
- Reactive Hazard: Yes

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:
**Chemical name** | **CAS No.** | **Weight-%** | **CERCLA/SARA 313 (de minimis concentration)**
--- | --- | --- | ---
Toluene | 108-88-3 | 10 | 1.0
Isopropyl alcohol | 67-63-0 | 5 | 1.0
2-Pentanone, 4-methyl- | 108-10-1 | 5 | 1.0
n-Butyl alcohol | 71-36-3 | 5 | 1.0
Ethyl benzene | 100-41-4 | 0.5 | 0.1

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**
This product contains the following HAPs:

**Chemical name** | **CAS No.** | **Weight-%** | **Hazardous Air Pollutant (HAP)**
--- | --- | --- | ---
Toluene | 108-88-3 | 10 | Listed
2-Pentanone, 4-methyl- | 108-10-1 | 5 | Listed
Ethyl benzene | 100-41-4 | 0.5 | Listed

**US State Regulations**

**California Proposition 65**

⚠️ **WARNING:** Cancer and Reproductive Harm– www.P65warnings.ca.gov

**State Right-to-Know**

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
</tr>
</thead>
</table>
n-Butyl acetate | X | X | X |
Acetone | X | X | X |
Titanium dioxide | X | X | X |
cellulose, nitrate | X | X | X |
Toluene | X | X | X |
Isopropyl alcohol | X | X | X |
2-Pentanone, 4-methyl- | X | X | X |
n-Butyl alcohol | X | X | X |
isobutyl alcohol | X | X | X |
Ethanol | X | X | X |
Talc | X | X | X |

**Legend**

X - Listed

**16. OTHER INFORMATION**

**HMIS -**

**Health:** 2*
**Flammability:** 3
**Reactivity:** 1
**PPE:** -

**HMIS Legend**

0 - Minimal Hazard
1 - Slight Hazard
2 - Moderate Hazard
3 - Serious Hazard
4 - Severe Hazard
WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.